

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090878.D
 Acq On : 27 Oct 2016 20:36
 Operator : UM/SJ
 Sample : H5423-11MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6COMP(0-16FEET)MS

Quant Time: Oct 28 01:04:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	146310	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	654220	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	315936	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	533540	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	385299	20.00	ng	-0.01
86) Perylene-d12	15.35	264	308325	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1323946	158.21	ng	0.01
7) Phenol-d6	6.42	99	1638809	145.16	ng	0.00
23) Nitrobenzene-d5	7.34	82	1129364	113.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	577402	177.84	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1905598	105.91	ng	-0.01
78) Terphenyl-d14	12.89	244	1867995	122.14	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.35	88	180066	42.09	ng	# 73
3) Pyridine	3.05	79	484480	41.75	ng	# 66
4) n-Nitrosodimethylamine	3.00	42	157407	48.18	ng	# 51
6) Aniline	6.44	93	473327	36.70	ng	# 43
8) 2-Chlorophenol	6.56	128	500261	48.46	ng	# 88
9) Benzaldehyde	6.32	77	78017	13.38	ng	# 76
10) Phenol	6.44	94	558263	44.87	ng	# 53
11) bis(2-Chloroethyl)ether	6.52	93	518125	50.33	ng	# 81
12) 1,3-Dichlorobenzene	6.72	146	533741	50.55	ng	# 95
13) 1,4-Dichlorobenzene	6.80	146	548667	49.41	ng	# 96
14) 1,2-Dichlorobenzene	6.80	146	552273	51.88	ng	# 98
15) Benzyl Alcohol	6.92	79	368119	49.65	ng	# 78
16) 2,2'-oxybis(1-Chloropropan	7.06	45	499914	48.80	ng	# 64
17) 2-Methylphenol	7.05	107	418245	53.26	ng	# 85
18) Hexachloroethane	7.29	117	224074	55.45	ng	# 83
19) n-Nitroso-di-n-propylamine	7.20	70	393020	60.21	ng	# 71
20) 3+4-Methylphenols	7.20	107	519295	57.12	ng	# 64
22) Acetophenone	7.20	105	762386	56.64	ng	# 83
24) Nitrobenzene	7.37	77	625853	59.21	ng	# 78
25) Isophorone	7.61	82	1161278	57.26	ng	# 91
26) 2-Nitrophenol	7.68	139	288159	50.89	ng	# 53
27) 2,4-Dimethylphenol	7.73	122	481281	52.50	ng	# 89
28) bis(2-Chloroethoxy)methane	7.82	93	724460	62.81	ng	# 94
29) 2,4-Dichlorophenol	7.93	162	469804	55.34	ng	# 97
30) 1,2,4-Trichlorobenzene	8.01	180	494098	50.37	ng	# 99
31) Naphthalene	8.09	128	1667901	54.54	ng	# 97
32) Benzoic acid	7.81	122	55873	8.39	ng	# 72
33) 4-Chloroaniline	8.13	127	256590	20.77	ng	# 84
34) Hexachlorobutadiene	8.20	225	253586	43.96	ng	# 98
35) Caprolactam	8.51	113	76283	28.95	ng	# 90
36) 4-Chloro-3-methylphenol	8.64	107	457965	49.61	ng	# 95
37) 2-Methylnaphthalene	8.77	142	912518	46.20	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	471051	54.35	ng	# 98
40) Hexachlorocyclopentadiene	8.93	237	487848	122.35	ng	# 97

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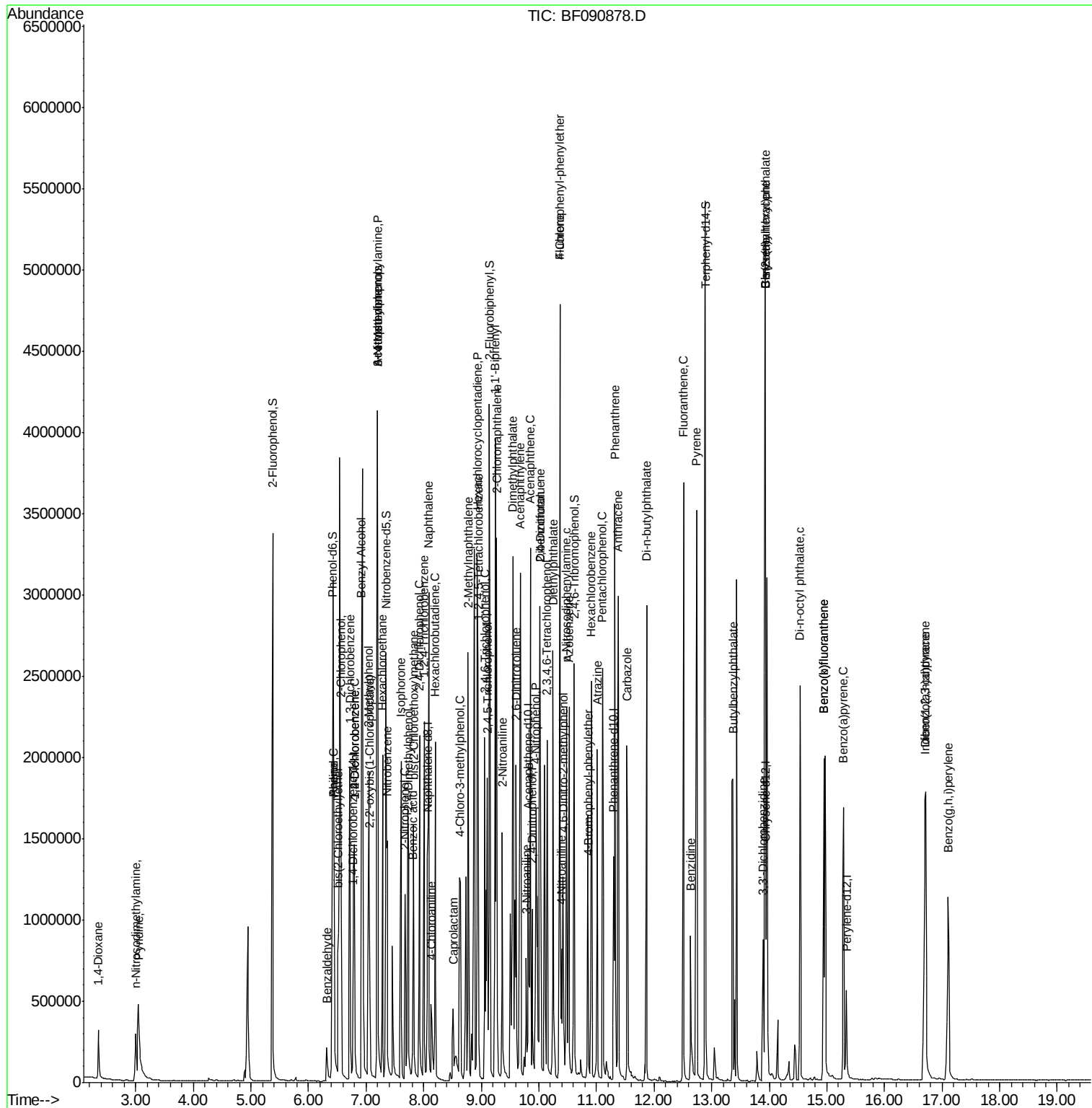
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	319216	57.05	ng	99
43) 2,4,5-Trichlorophenol	9.10	196	325222	56.43	ng	96
45) 1,1'-Biphenyl	9.24	154	1243003	54.62	ng	92
46) 2-Chloronaphthalene	9.26	162	976843	56.43	ng #	91
47) 2-Nitroaniline	9.37	65	336458	68.88	ng	85
48) Acenaphthylene	9.68	152	1420890	54.21	ng	96
49) Dimethylphthalate	9.55	163	1399575	66.31	ng #	97
50) 2,6-Dinitrotoluene	9.61	165	241844	51.88	ng #	61
51) Acenaphthene	9.85	154	935589	51.83	ng	89
52) 3-Nitroaniline	9.78	138	176737	35.61	ng #	77
53) 2,4-Dinitrophenol	9.88	184	168555	68.68	ng #	53
54) Dibenzofuran	10.02	168	1217019	52.24	ng #	84
55) 4-Nitrophenol	9.95	139	347353	114.77	ng #	61
56) 2,4-Dinitrotoluene	10.02	165	327778	56.60	ng #	95
57) Fluorene	10.36	166	930042	48.74	ng	93
58) 2,3,4,6-Tetrachlorophenol	10.14	232	293999	57.13	ng	96
59) Diethylphthalate	10.25	149	1067612	50.92	ng	99
60) 4-Chlorophenyl-phenylether	10.36	204	532068	57.12	ng	95
61) 4-Nitroaniline	10.40	138	252364	51.34	ng #	63
62) Azobenzene	10.52	77	1097882	53.25	ng	90
64) 4,6-Dinitro-2-methylphenol	10.42	198	163262	46.15	ng	90
65) n-Nitrosodiphenylamine	10.48	169	884241	54.10	ng	91
66) 4-Bromophenyl-phenylether	10.85	248	317989	54.43	ng #	82
67) Hexachlorobenzene	10.91	284	351034	50.77	ng #	90
68) Atrazine	11.01	200	312473	61.81	ng	86
69) Pentachlorophenol	11.10	266	377397	101.73	ng	97
70) Phenanthrene	11.32	178	1373462	50.55	ng	94
71) Anthracene	11.38	178	1602730	56.02	ng	97
72) Carbazole	11.53	167	1334869	52.83	ng #	94
73) Di-n-butylphthalate	11.87	149	1704412	52.33	ng #	98
74) Fluoranthene	12.51	202	1588030	53.37	ng	91
76) Benzidine	12.64	184	492944	58.59	ng	98
77) Pyrene	12.74	202	1604737	65.81	ng #	95
79) Butylbenzylphthalate	13.37	149	715586	64.68	ng #	90
80) Benzo(a)anthracene	13.93	228	1116187	54.59	ng	97
81) 3,3'-Dichlorobenzidine	13.89	252	264367	33.30	ng #	93
82) Chrysene	13.93	228	1116187	53.97	ng	98
83) Bis(2-ethylhexyl)phthalate	13.93	149	887327	61.59	ng	97
84) Di-n-octyl phthalate	14.53	149	1275501	52.72	ng #	87
85) Indeno(1,2,3-cd)pyrene	16.71	276	1130191	61.66	ng #	91
87) Benzo(b)fluoranthene	14.95	252	1930669	93.12	ng #	87
88) Benzo(k)fluoranthene	14.95	252	1930669	117.84	ng #	88
89) Benzo(a)pyrene	15.29	252	916666	51.46	ng #	86
90) Dibenzo(a,h)anthracene	16.72	278	954841	63.31	ng #	82
91) Benzo(g,h,i)perylene	17.11	276	930483	65.51	ng #	83

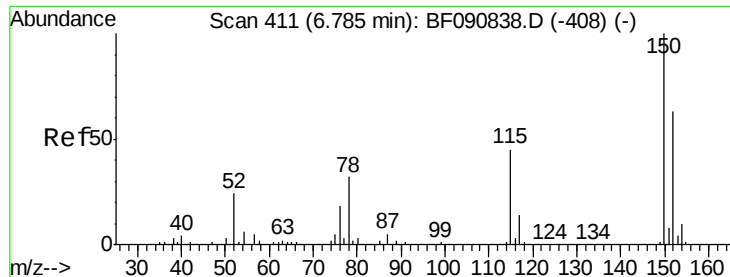
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF090878.D

Acq: 27 Oct 2016 20:36

Instrument :

BNA_F

ClientSampleId :

SB-6COMP(0-16FEET)MS

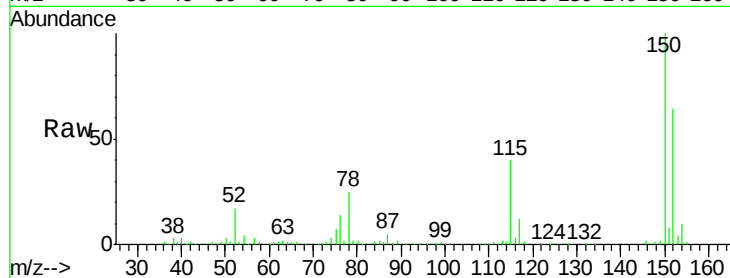
Tgt Ion:152 Resp: 146310

Ion Ratio Lower Upper

152 100

150 157.0 124.7 187.1

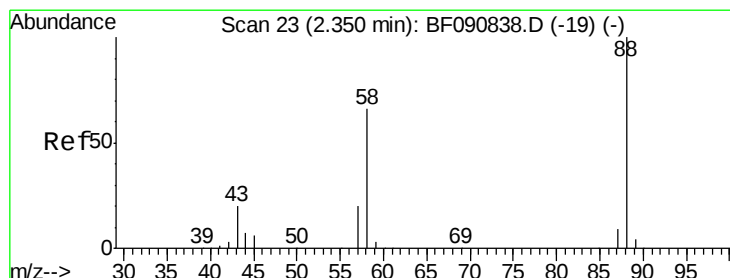
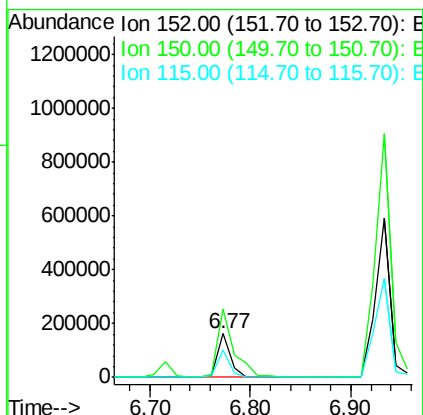
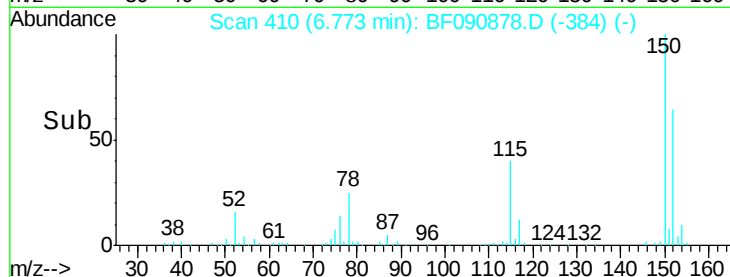
115 62.1 39.0 58.4#



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: 42.09 ng

RT: 2.35 min Scan# 23

Delta R.T. 0.02 min

Lab File: BF090878.D

Acq: 27 Oct 2016 20:36

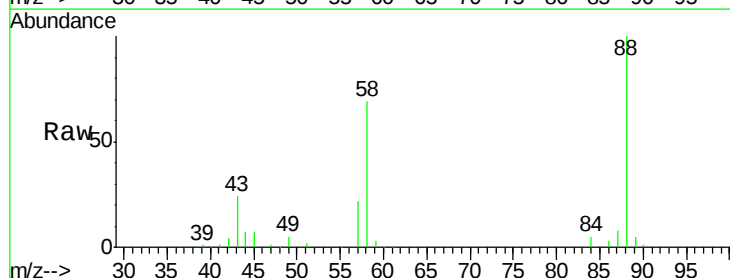
Tgt Ion: 88 Resp: 180066

Ion Ratio Lower Upper

88 100

58 67.8 77.7 116.5#

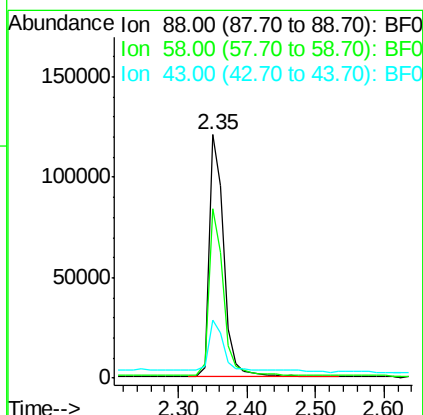
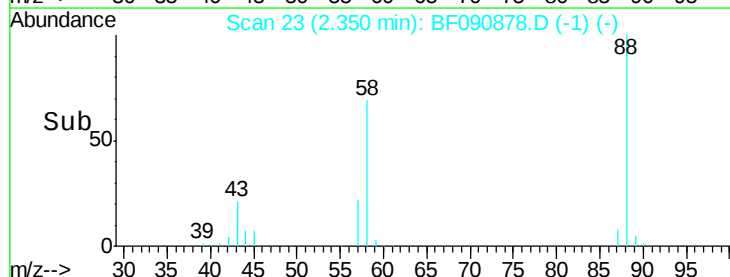
43 23.4 26.6 40.0#

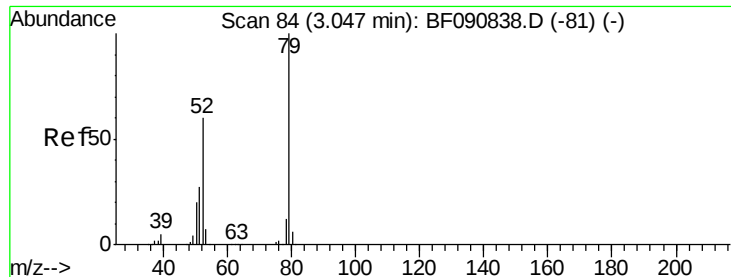


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

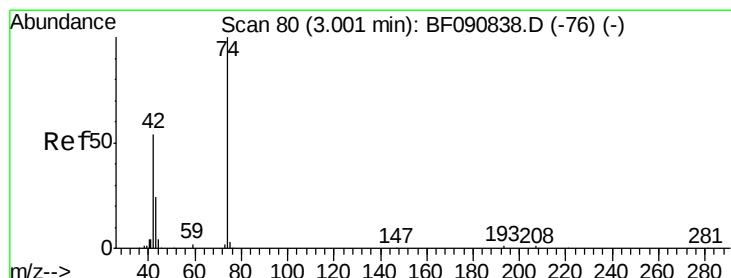
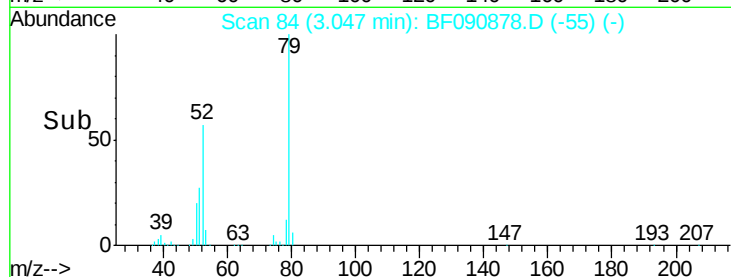
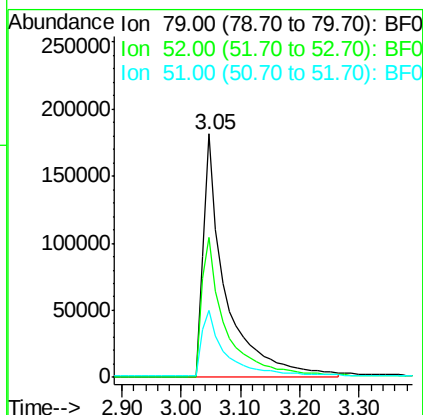
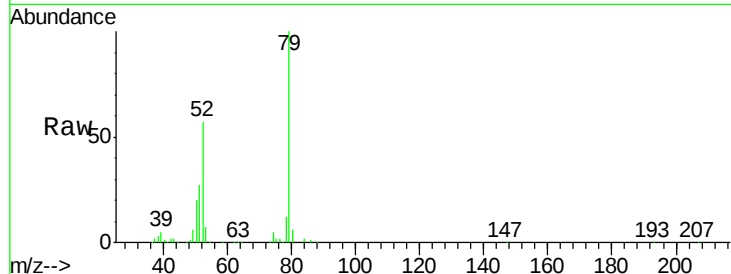




#3
 Pyridine
 Concen: 41.75 ng
 RT: 3.05 min Scan# 84
 Delta R.T. 0.03 min
 Lab File: BF090878.D
 Acq: 27 Oct 2016 20:36

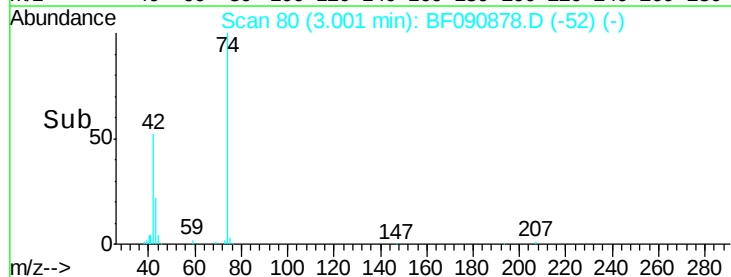
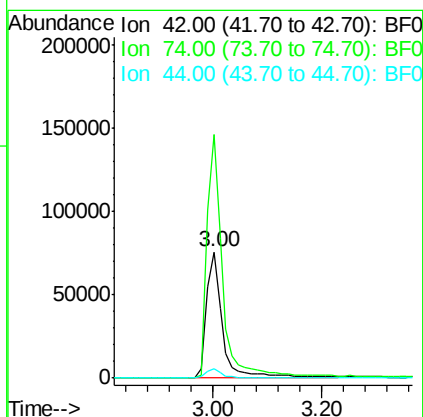
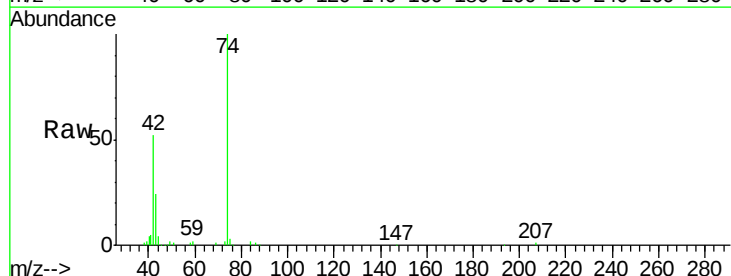
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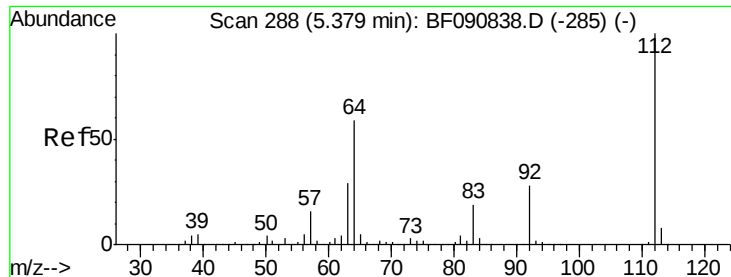
Tgt Ion: 79 Resp: 484480
 Ion Ratio Lower Upper
 79 100
 52 57.3 76.8 115.2#
 51 27.4 32.2 48.4#



#4
 n-Nitrosodimethylamine
 Concen: 48.18 ng
 RT: 3.00 min Scan# 80
 Delta R.T. 0.02 min
 Lab File: BF090878.D
 Acq: 27 Oct 2016 20:36

Tgt Ion: 42 Resp: 157407
 Ion Ratio Lower Upper
 42 100
 74 192.6 105.0 157.6#
 44 7.3 6.6 10.0





#5

2-Fluorophenol

Concen: 158.21 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF090878.D

Acq: 27 Oct 2016 20:36

Instrument :

BNA_F

ClientSampleId :

SB-6COMP(0-16FEET)MS

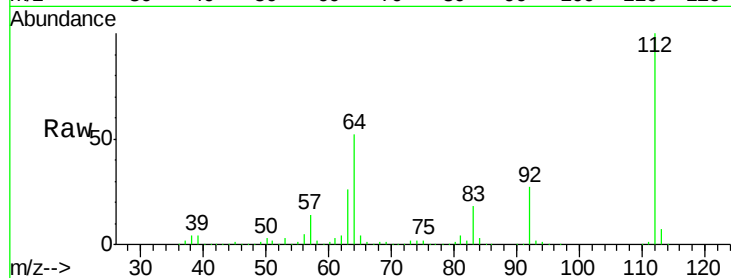
Tgt Ion: 112 Resp: 1323946

Ion Ratio Lower Upper

112 100

64 52.4 39.7 59.5

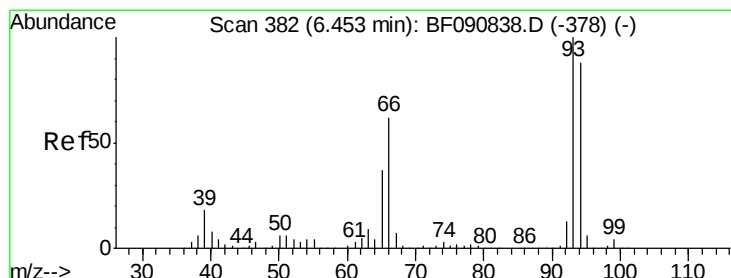
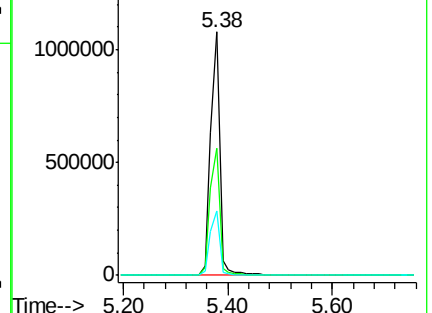
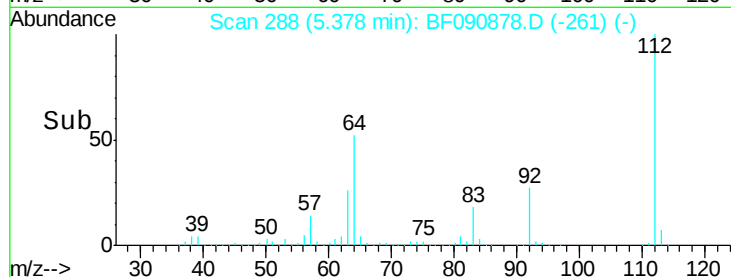
63 26.2 17.4 26.0#



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: 36.70 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090878.D

Acq: 27 Oct 2016 20:36

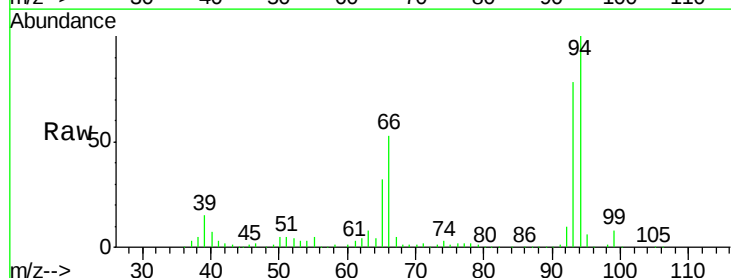
Tgt Ion: 93 Resp: 473327

Ion Ratio Lower Upper

93 100

66 68.5 27.2 40.8#

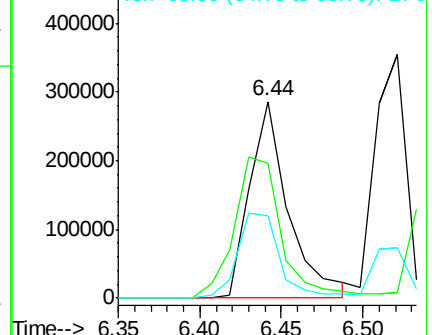
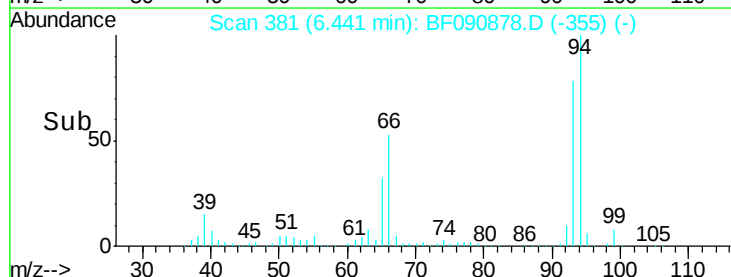
65 41.7 14.7 22.1#

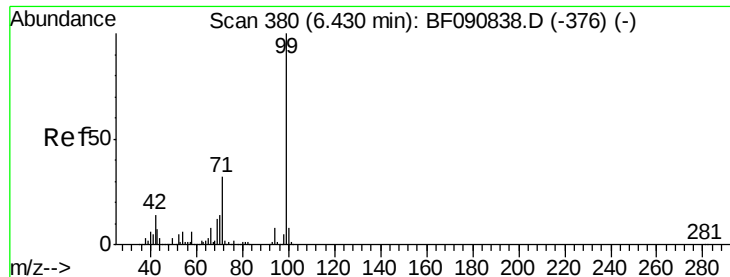


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 145.16 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF090878.D

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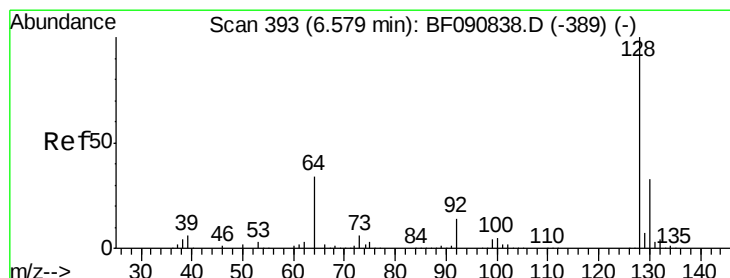
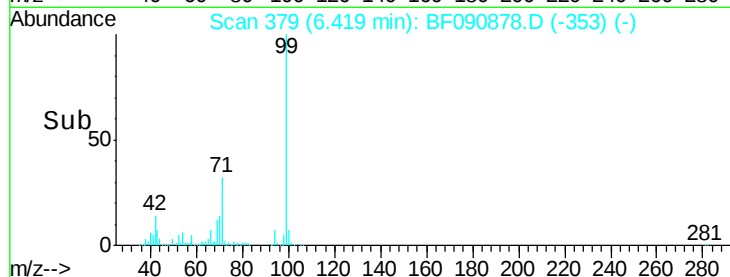
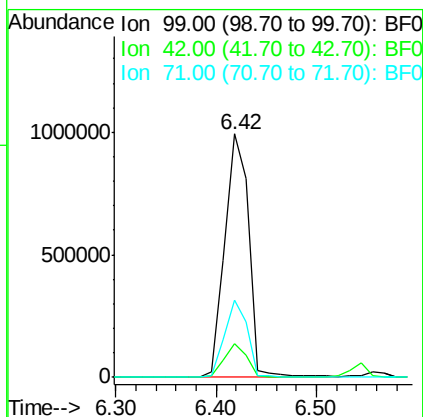
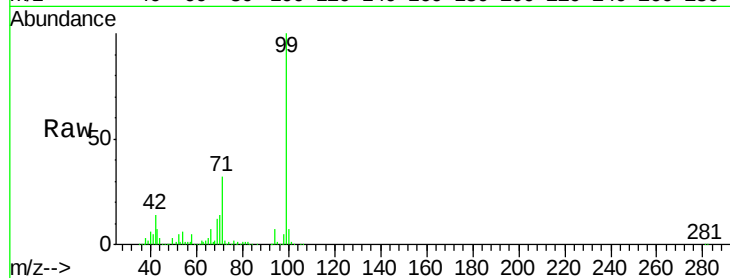
Tgt Ion: 99 Resp: 1638809

Ion Ratio Lower Upper

99 100

42 14.1 13.7 20.5

71 31.8 14.2 21.2#



#8

2-Chlorophenol

Concen: 48.46 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF090878.D

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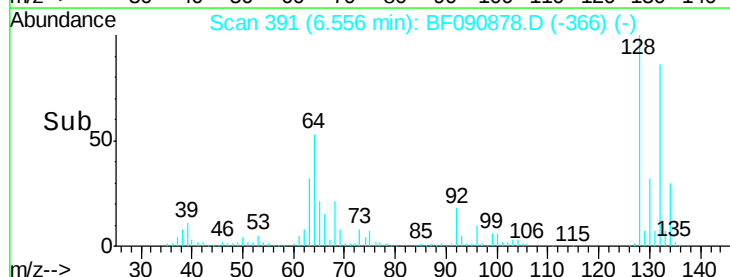
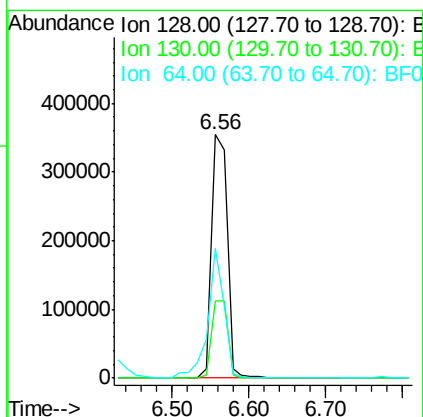
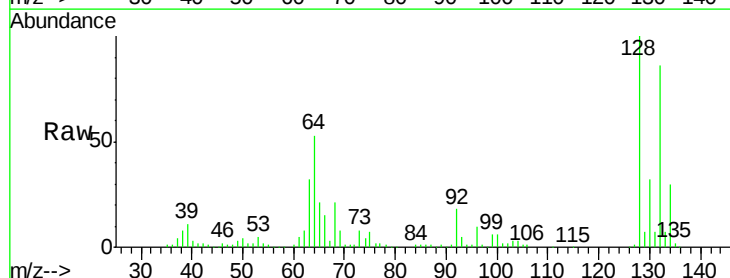
Tgt Ion: 128 Resp: 500261

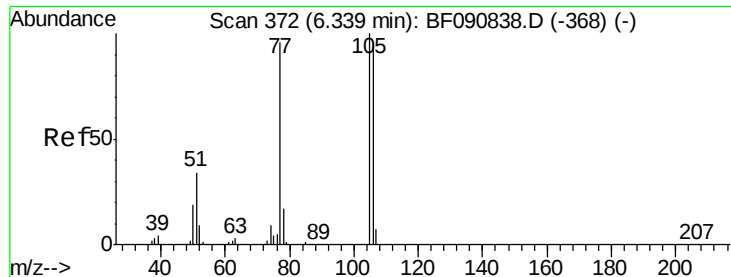
Ion Ratio Lower Upper

128 100

130 31.9 12.2 52.2

64 53.4 20.5 60.5





#9

Benzaldehyde

Concen: 13.38 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.00 min

Lab File: BF090878.D

Acq: 27 Oct 2016 20:36

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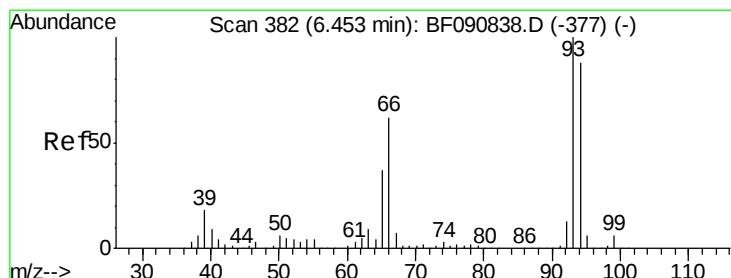
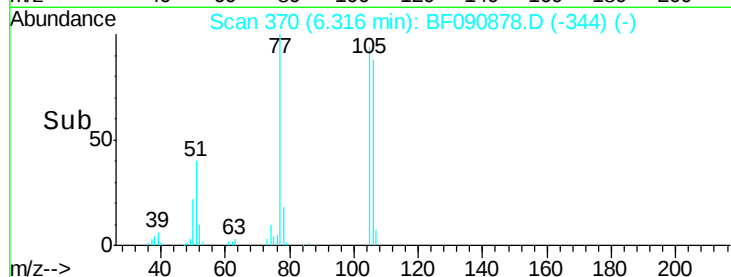
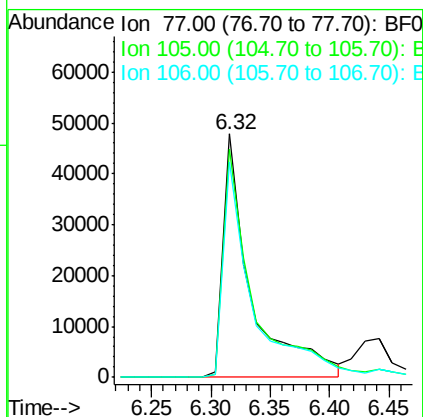
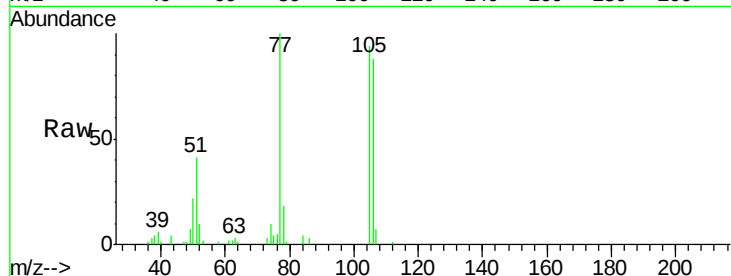
Tgt Ion: 77 Resp: 78017

Ion Ratio Lower Upper

77 100

105 93.6 91.6 131.6

106 88.4 102.6 142.6#



#10

Phenol

Concen: 44.87 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090878.D

Acq: 27 Oct 2016 20:36

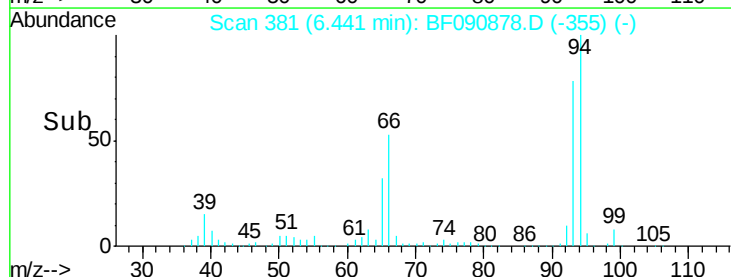
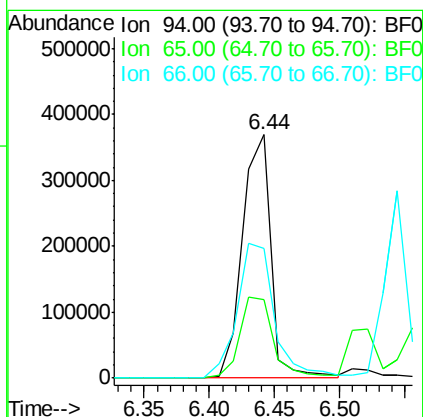
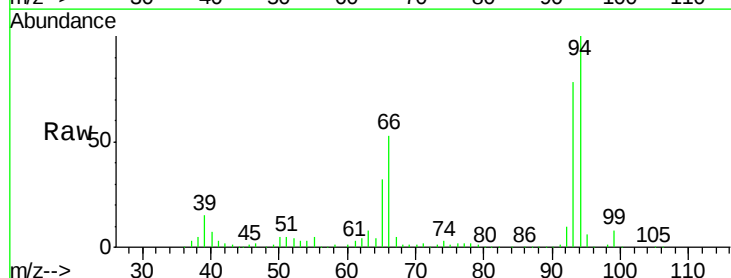
Tgt Ion: 94 Resp: 558263

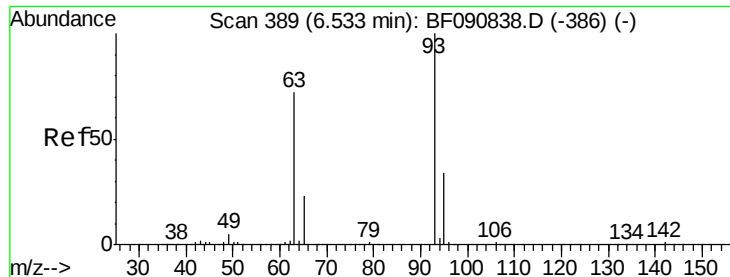
Ion Ratio Lower Upper

94 100

65 32.4 0.7 40.7

66 53.1 0.8 40.8#

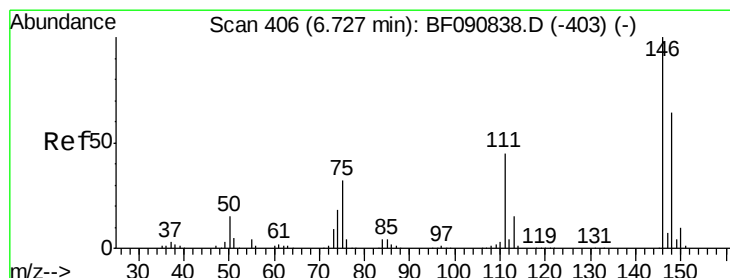
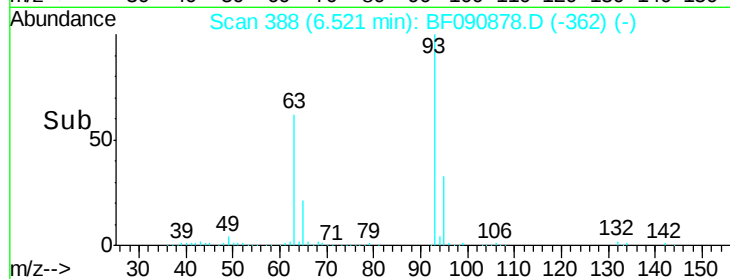
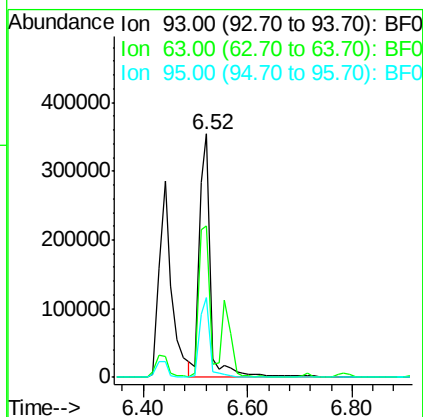
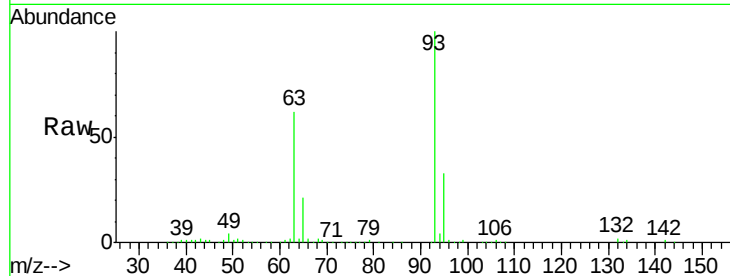




#11
 bis(2-Chloroethyl)ether
 Concen: 50.33 ng
 RT: 6.52 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: BF090878.D
 Acq: 27 Oct 2016 20:36

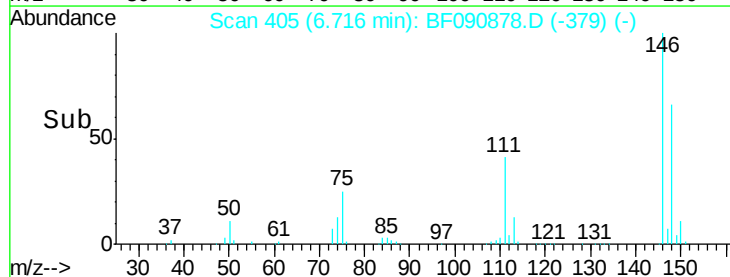
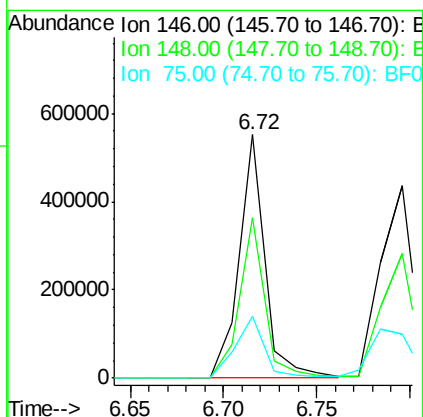
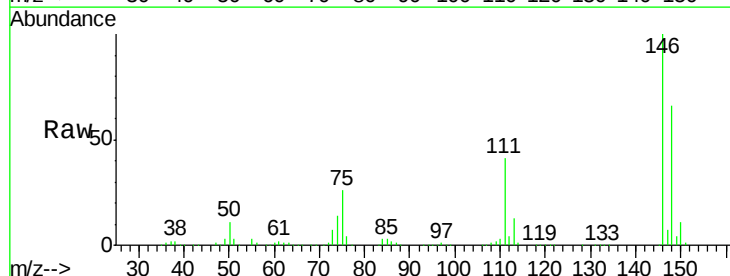
Instrument :
 BNA_F
 ClientSampleId :
 SB-6COMP(0-16FEET)MS

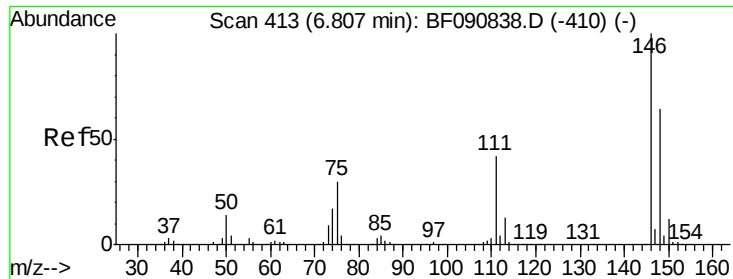
Tgt Ion: 93 Resp: 518125
 Ion Ratio Lower Upper
 93 100
 63 62.1 65.6 105.6#
 95 32.6 13.6 53.6



#12
 1,3-Dichlorobenzene
 Concen: 50.55 ng
 RT: 6.72 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: BF090878.D
 Acq: 27 Oct 2016 20:36

Tgt Ion: 146 Resp: 533741
 Ion Ratio Lower Upper
 146 100
 148 65.7 51.0 76.4
 75 25.6 15.0 22.6#

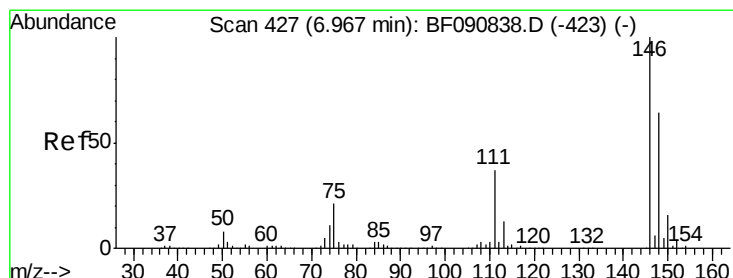
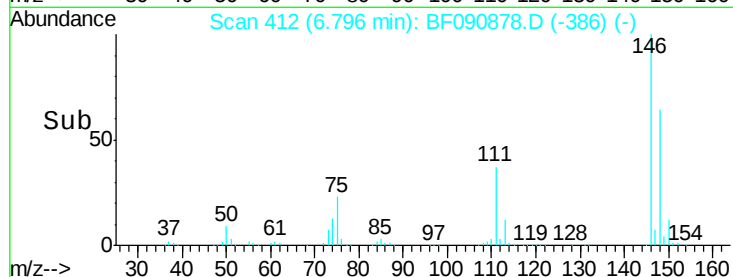
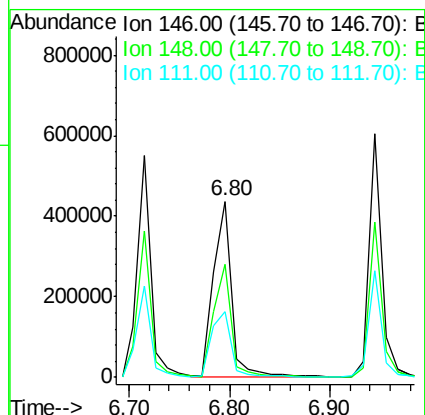
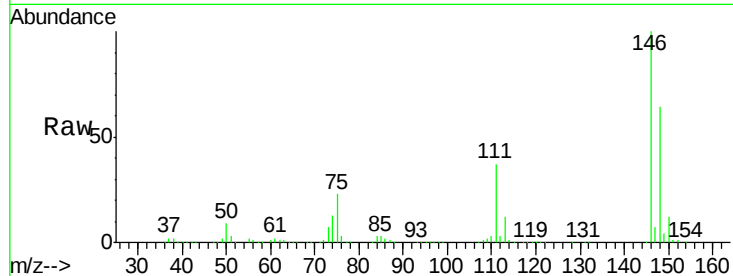




#13
 1,4-Dichlorobenzene
 Concen: 49.41 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.00 min
 Lab File: BF090878.D
 Acq: 27 Oct 2016 20:36

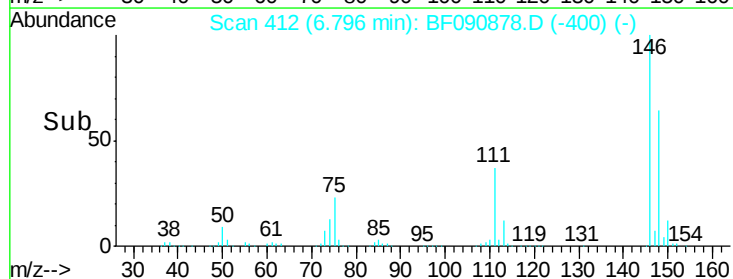
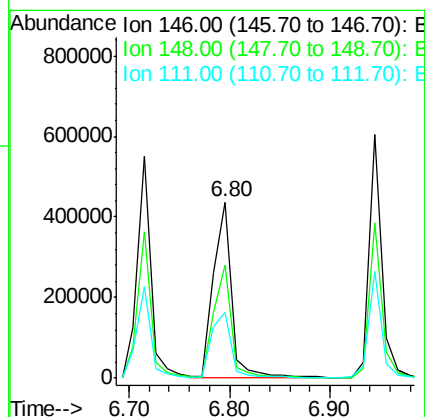
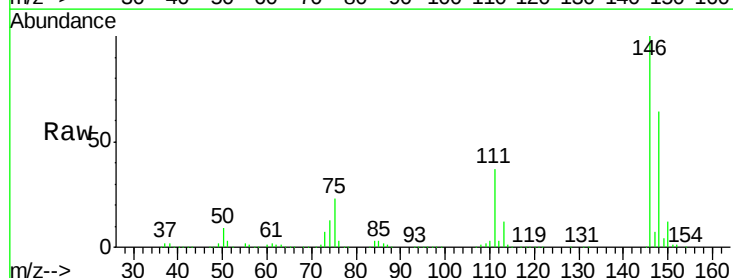
Instrument :
 BNA_F
 ClientSampleId :
 SB-6COMP(0-16FEET)MS

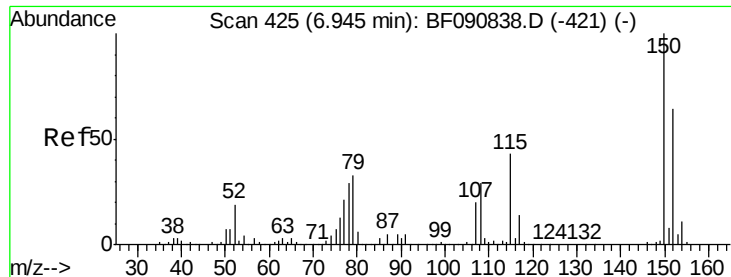
Tgt Ion:146 Resp: 548667
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.8 77.6
 111 37.0 24.9 37.3



#14
 1,2-Dichlorobenzene
 Concen: 51.88 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.16 min
 Lab File: BF090878.D
 Acq: 27 Oct 2016 20:36

Tgt Ion:146 Resp: 552273
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.7 79.1
 111 37.0 28.8 43.2

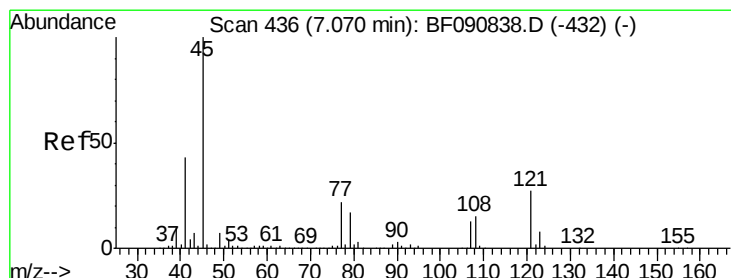
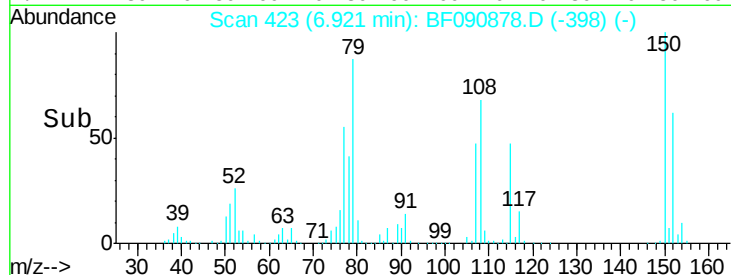
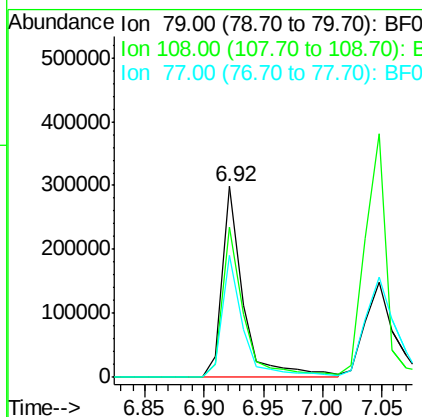
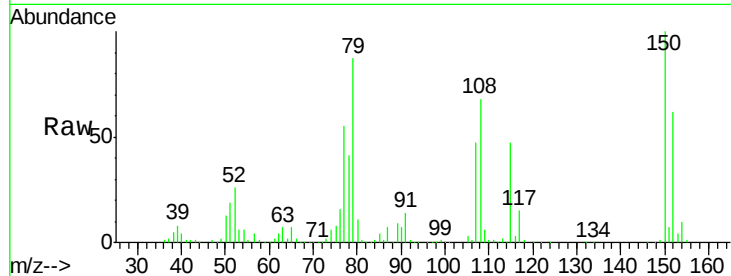




#15
Benzyl Alcohol
Concen: 49.65 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF090878.D
Acq: 27 Oct 2016 20:36

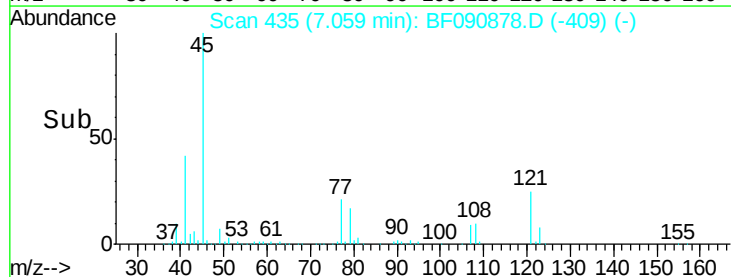
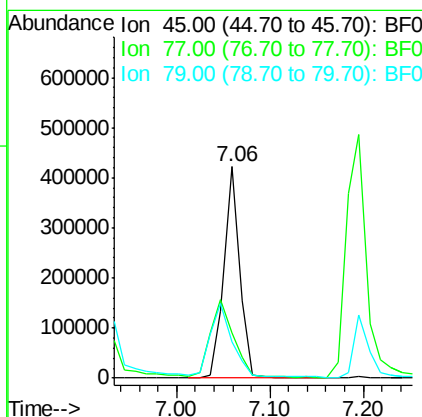
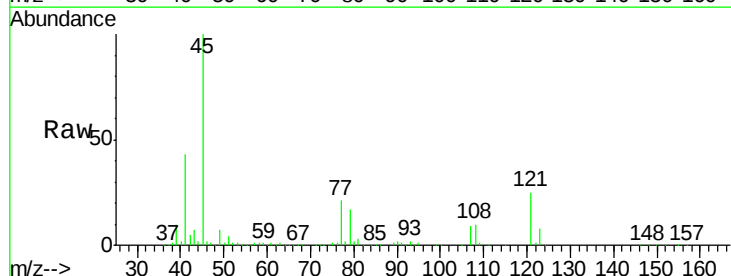
Instrument :
BNA_F
ClientSampleId :
SB-6COMP(0-16FEET)MS

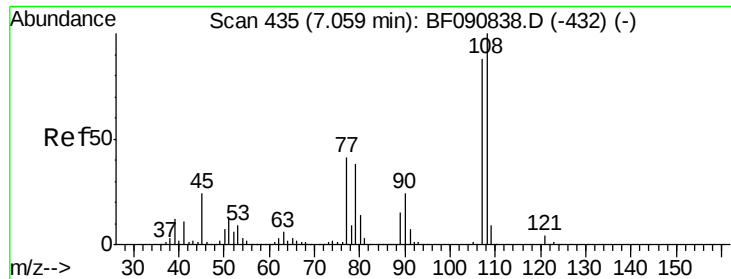
Tgt Ion: 79 Resp: 368119
Ion Ratio Lower Upper
79 100
108 78.6 88.6 132.8#
77 63.8 47.0 70.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.80 ng
RT: 7.06 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090878.D
Acq: 27 Oct 2016 20:36

Tgt Ion: 45 Resp: 499914
Ion Ratio Lower Upper
45 100
77 21.5 0.0 28.1
79 17.3 0.0 26.0

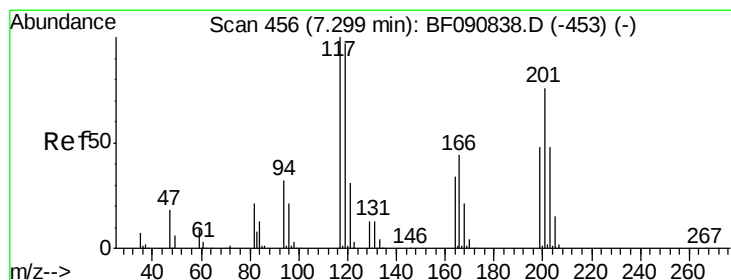
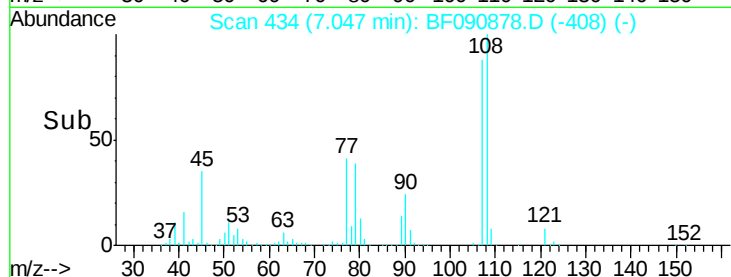
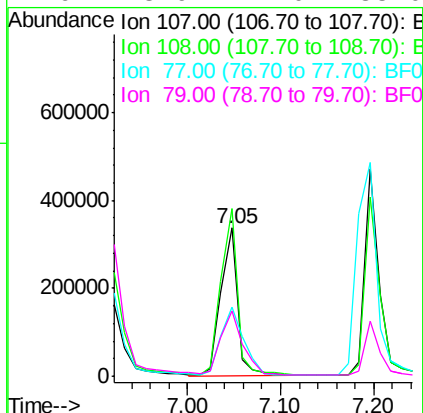
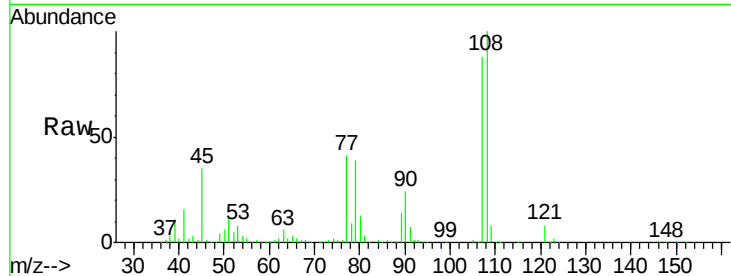




#17
2-Methylphenol
Concen: 53.26 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.00 min
Lab File: BF090878.D
Acq: 27 Oct 2016 20:36

Instrument :
BNA_F
ClientSampleId :
SB-6COMP(0-16FEET)MS

Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.1	96.6	145.0
77	46.8	23.3	34.9#
79	43.9	22.0	33.0#



#18
Hexachloroethane
Concen: 55.45 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF090878.D
Acq: 27 Oct 2016 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	83.8	125.6
201	92.7	55.1	82.7#

