

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084766.D
 Acq On : 3 Feb 2016 2:04
 Operator : SJ/IZ
 Sample : H1287-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)MS

Quant Time: Feb 03 02:49:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	178910	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	811903	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	355244	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	616948	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	371060	20.00	ng	-0.02
86) Perylene-d12	15.23	264	342985	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	1461153	127.21	ng	0.00
7) Phenol-d6	6.36	99	1842302	129.38	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1228847	85.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	486639	131.33	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	1924223	94.95	ng	-0.02
78) Terphenyl-d14	12.81	244	1831830	111.87	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.38	88	187160	37.20	ng	# 76
3) Pyridine	3.04	79	337072	25.71	ng	# 74
4) n-Nitrosodimethylamine	2.96	42	296137	43.68	ng	# 83
6) Aniline	6.37	93	135776	7.79	ng	# 1
8) 2-Chlorophenol	6.50	128	588744	45.28	ng	# 95
9) Benzaldehyde	6.25	77	190567	22.66	ng	# 95
10) Phenol	6.37	94	696076	43.64	ng	# 98
11) bis(2-Chloroethyl)ether	6.44	93	585533	47.07	ng	# 83
12) 1,3-Dichlorobenzene	6.88	146	553453	40.29	ng	# 99
13) 1,4-Dichlorobenzene	6.72	146	561096	40.86	ng	# 97
14) 1,2-Dichlorobenzene	6.88	146	553384	43.27	ng	# 96
15) Benzyl Alcohol	6.86	79	623432	63.40	ng	# 95
16) 2,2'-oxybis(1-Chloropropan	6.99	45	863318	41.26	ng	# 68
17) 2-Methylphenol	6.99	107	489779	47.63	ng	# 80
18) Hexachloroethane	7.21	117	221205	41.83	ng	# 93
19) n-Nitroso-di-n-propylamine	7.14	70	456974	51.20	ng	# 84
20) 3+4-Methylphenols	7.16	107	692352	54.25	ng	# 88
22) Acetophenone	7.13	105	882196	41.23	ng	# 95
24) Nitrobenzene	7.29	77	632660	40.99	ng	# 91
25) Isophorone	7.55	82	1344187	47.96	ng	# 96
26) 2-Nitrophenol	7.61	139	306856	40.31	ng	# 81
27) 2,4-Dimethylphenol	7.70	122	594770	44.92	ng	# 92
28) bis(2-Chloroethoxy)methane	7.76	93	916304	55.11	ng	# 96
29) 2,4-Dichlorophenol	7.89	162	471864	41.65	ng	# 99
30) 1,2,4-Trichlorobenzene	7.94	180	457144	35.73	ng	# 95
31) Naphthalene	8.01	128	1547368	37.99	ng	# 99
32) Benzoic acid	7.70	122	594770	70.23	ng	# 15
33) 4-Chloroaniline	8.10	127	122551	7.28	ng	# 94
34) Hexachlorobutadiene	8.13	225	278040	37.68	ng	# 98
35) Caprolactam	8.49	113	153557	43.98	ng	# 45
36) 4-Chloro-3-methylphenol	8.57	107	617378	47.77	ng	# 93
37) 2-Methylnaphthalene	8.70	142	1145364	44.94	ng	# 97
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	485260	43.01	ng	# 95
40) Hexachlorocyclopentadiene	8.85	237	466707	89.41	ng	# 98

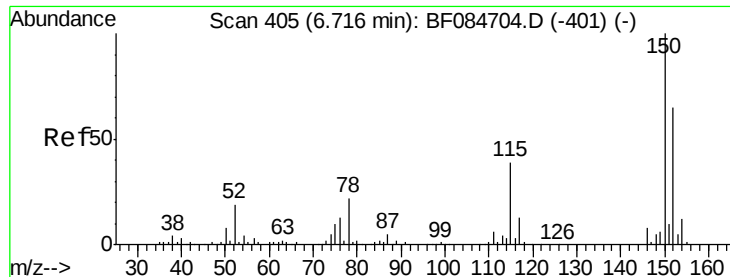
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	334759	46.06	ng	97
43) 2,4,5-Trichlorophenol	9.05	196	336141	45.51	ng #	93
45) 1,1'-Biphenyl	9.17	154	1465558	46.19	ng	97
46) 2-Chloronaphthalene	9.20	162	1060893	45.40	ng #	88
47) 2-Nitroaniline	9.30	65	380601	51.44	ng	89
48) Acenaphthylene	9.61	152	1675020	47.24	ng	98
49) Dimethylphthalate	9.48	163	1198190	44.28	ng #	90
50) 2,6-Dinitrotoluene	9.54	165	266967	45.17	ng #	59
51) Acenaphthene	9.78	154	1118463	48.48	ng	99
52) 3-Nitroaniline	9.71	138	148308	22.33	ng #	77
53) 2,4-Dinitrophenol	9.81	184	316824	113.51	ng #	79
54) Dibenzofuran	9.95	168	1513010	53.66	ng	95
55) 4-Nitrophenol	9.89	139	407974	83.58	ng #	84
56) 2,4-Dinitrotoluene	9.94	165	326511	43.31	ng #	74
57) Fluorene	10.29	166	1197069	50.84	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.08	232	309185	54.99	ng #	87
59) Diethylphthalate	10.18	149	1235163	46.75	ng	98
60) 4-Chlorophenyl-phenylether	10.28	204	468950	47.87	ng	91
61) 4-Nitroaniline	10.32	138	175333	27.09	ng	93
62) Azobenzene	10.44	77	1252303	49.29	ng	90
64) 4,6-Dinitro-2-methylphenol	10.35	198	220008	57.78	ng	89
65) n-Nitrosodiphenylamine	10.41	169	963161	49.17	ng	98
66) 4-Bromophenyl-phenylether	10.77	248	364190	53.45	ng #	90
67) Hexachlorobenzene	10.83	284	354511	47.75	ng #	82
68) Atrazine	10.94	200	273939	44.28	ng	98
69) Pentachlorophenol	11.04	266	415854	119.18	ng	98
70) Phenanthrene	11.24	178	1593764	46.58	ng	97
71) Anthracene	11.30	178	1780903	51.65	ng	98
72) Carbazole	11.46	167	1482548	49.31	ng	98
73) Di-n-butylphthalate	11.79	149	1734022	45.30	ng #	96
74) Fluoranthene	12.43	202	1766529	51.01	ng	95
76) Benzidine	12.62	184	965	6.94	ng #	1
77) Pyrene	12.66	202	1764435	62.11	ng	100
79) Butylbenzylphthalate	13.29	149	741664	57.55	ng	99
80) Benzo(a)anthracene	13.84	228	1219868	52.97	ng	99
82) Chrysene	13.88	228	1224285	54.82	ng	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	869219	54.20	ng	98
84) Di-n-octyl phthalate	14.47	149	1475280	55.75	ng #	91
85) Indeno(1,2,3-cd)pyrene	16.53	276	1125981	64.05	ng	99
87) Benzo(b)fluoranthene	14.88	252	2024042	87.83	ng #	97
88) Benzo(k)fluoranthene	14.88	252	2024042	106.22	ng	99
89) Benzo(a)pyrene	15.17	252	962327	49.01	ng #	95
90) Dibenzo(a,h)anthracene	16.55	278	915374	55.38	ng	98
91) Benzo(g,h,i)perylene	16.92	276	972793	58.43	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.02 min

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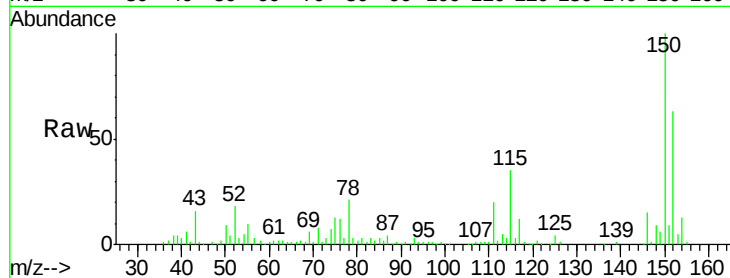
Tgt Ion:152 Resp: 178910

Ion Ratio Lower Upper

152 100

150 158.1 123.0 184.4

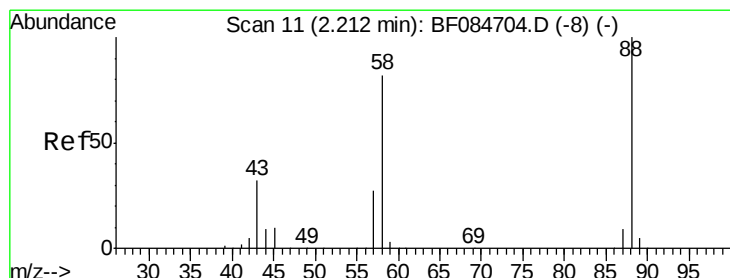
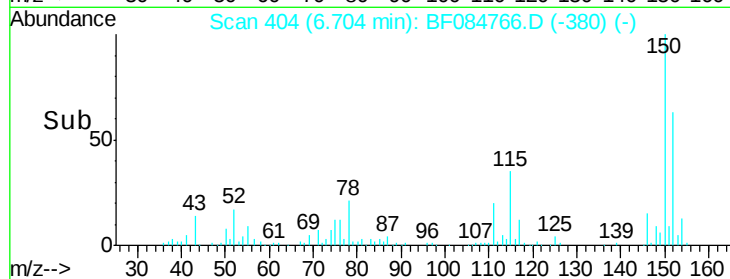
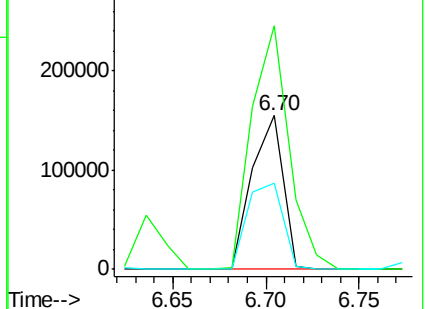
115 55.9 51.4 77.2



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: 37.20 ng

RT: 2.38 min Scan# 26

Delta R.T. 0.16 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

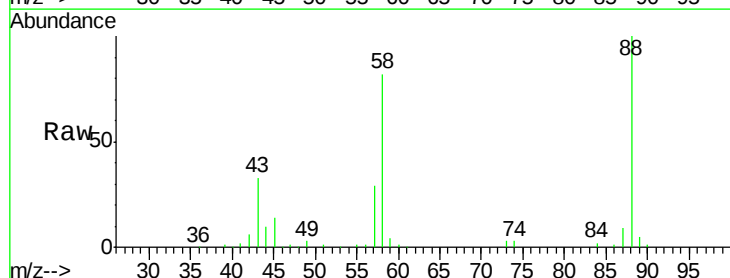
Tgt Ion: 88 Resp: 187160

Ion Ratio Lower Upper

88 100

58 84.4 51.2 76.8#

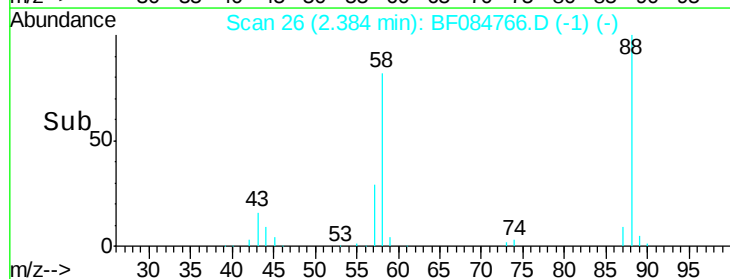
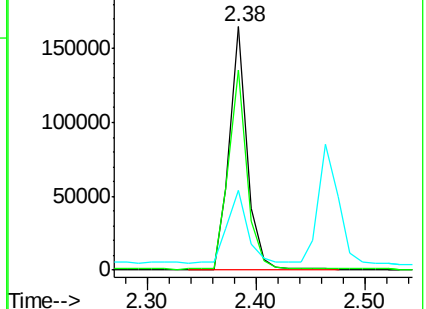
43 34.5 19.5 29.3#

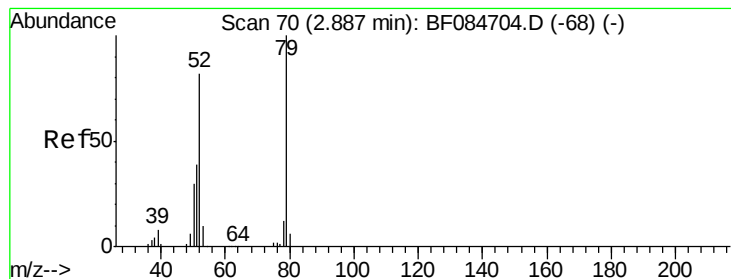


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 25.71 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.13 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

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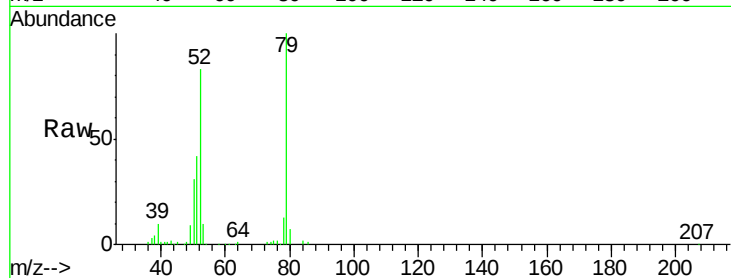
Tgt Ion: 79 Resp: 337072

Ion Ratio Lower Upper

79 100

52 83.5 49.0 73.4#

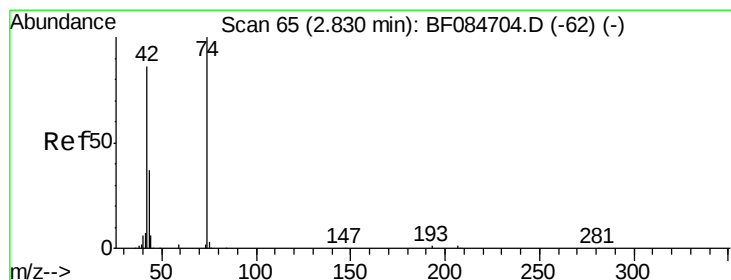
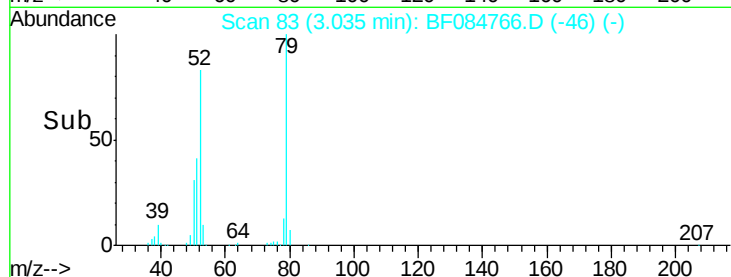
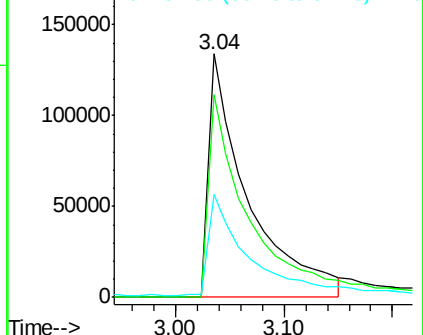
51 42.0 25.2 37.8#



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: 43.68 ng

RT: 2.96 min Scan# 76

Delta R.T. 0.10 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

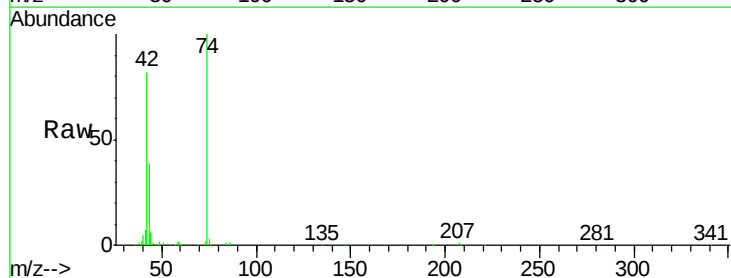
Tgt Ion: 42 Resp: 296137

Ion Ratio Lower Upper

42 100

74 122.1 115.7 173.5

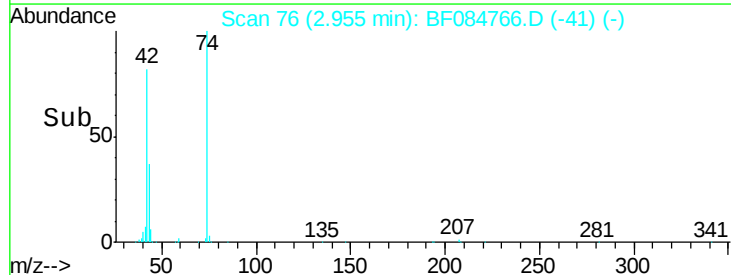
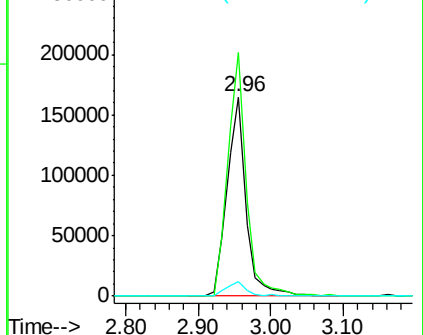
44 7.3 5.1 7.7

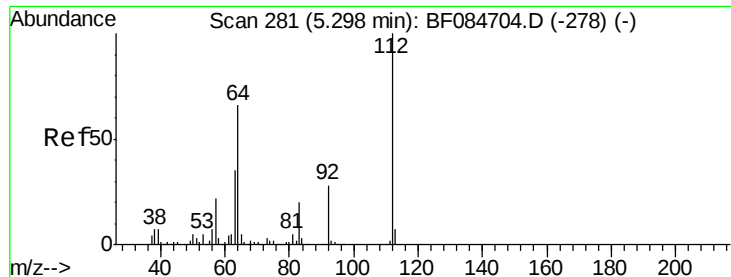


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 127.21 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

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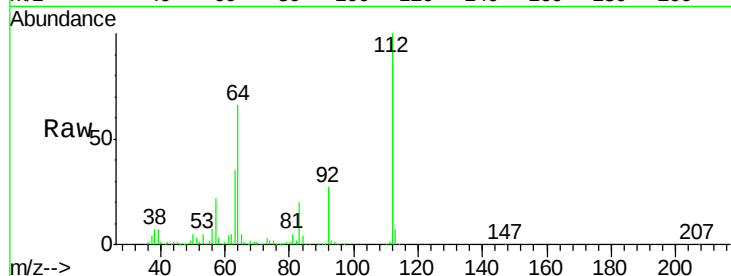
Tgt Ion:112 Resp: 1461153

Ion Ratio Lower Upper

112 100

64 65.9 36.6 55.0#

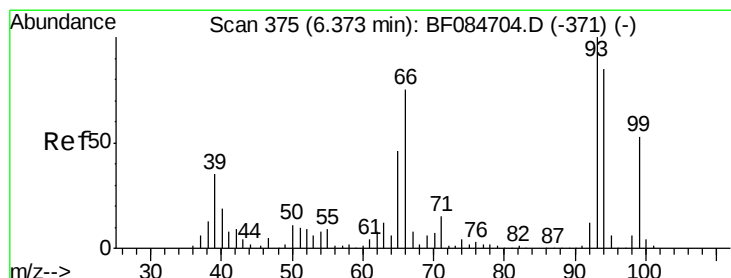
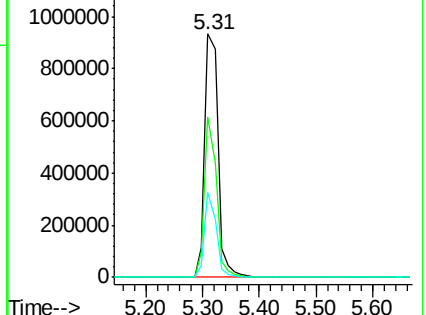
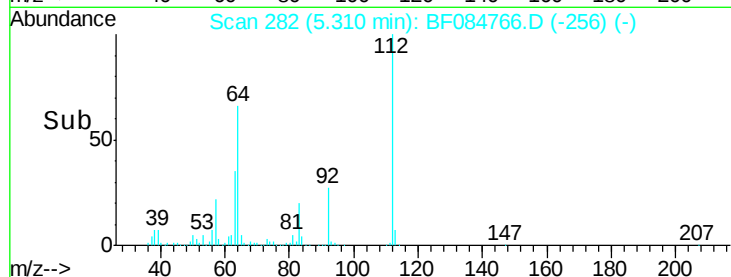
63 34.7 19.4 29.0#



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: 7.79 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

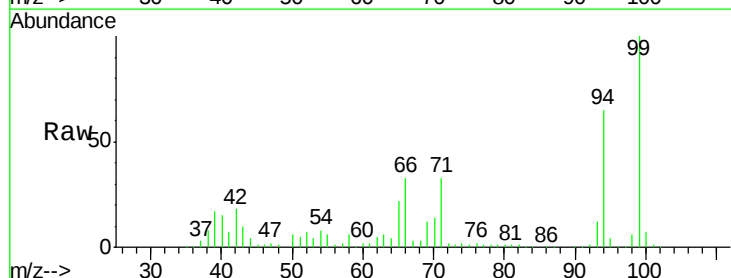
Tgt Ion: 93 Resp: 135776

Ion Ratio Lower Upper

93 100

66 277.6 44.9 67.3#

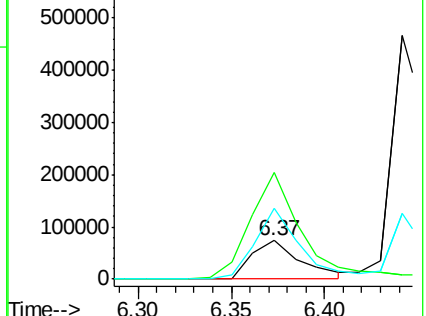
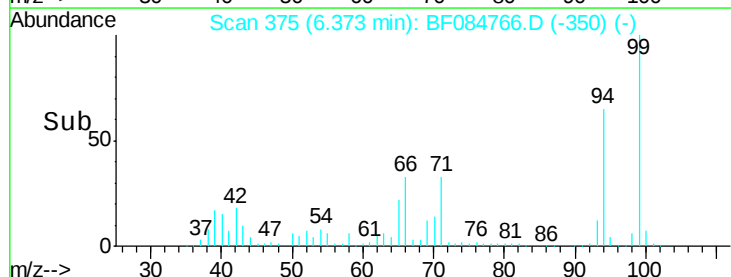
65 184.7 23.7 35.5#



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: 129.38 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

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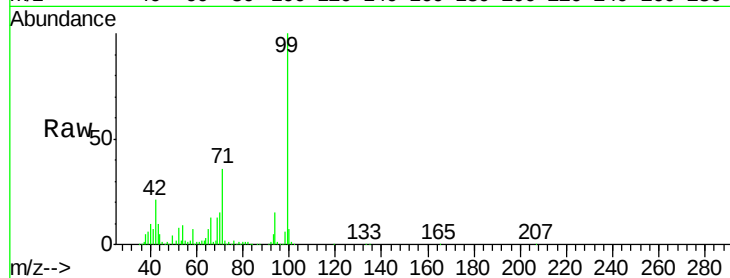
Tgt Ion: 99 Resp: 1842302

Ion Ratio Lower Upper

99 100

42 20.6 12.8 19.2#

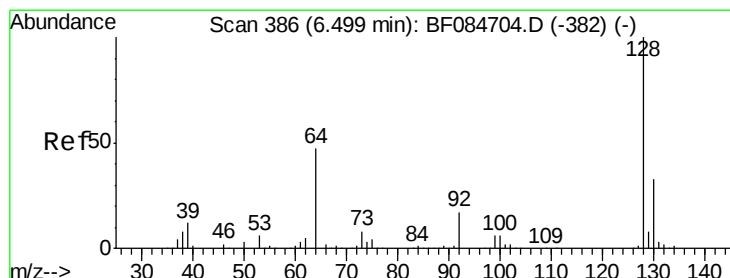
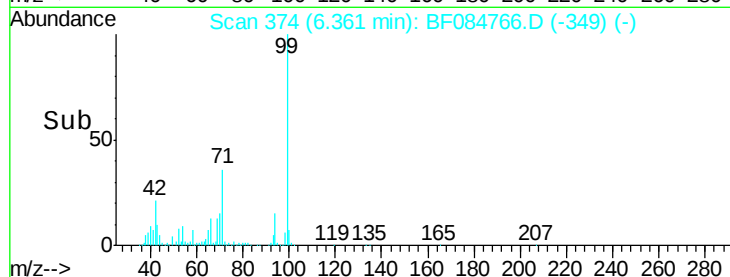
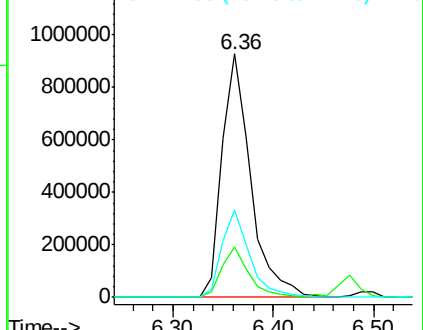
71 35.8 30.9 46.3



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: 45.28 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

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Acq: 3 Feb 2016 2:04

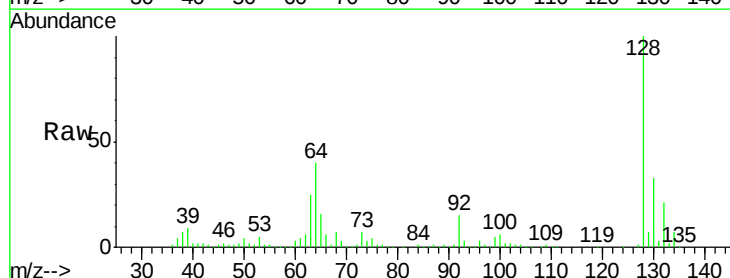
Tgt Ion: 128 Resp: 588744

Ion Ratio Lower Upper

128 100

130 33.4 11.6 51.6

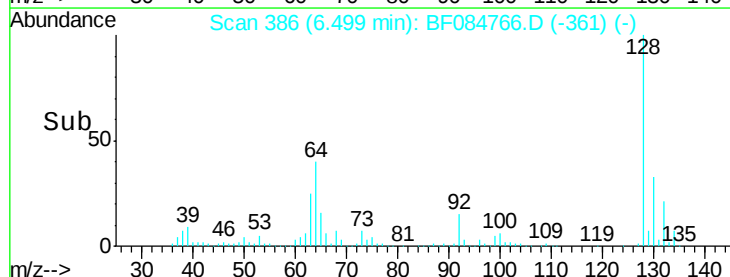
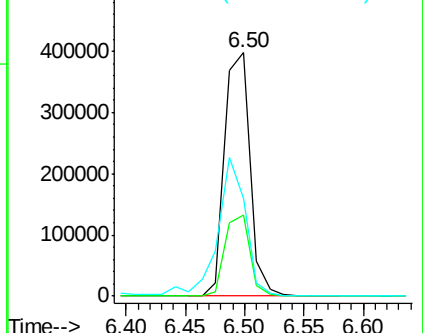
64 40.2 23.8 63.8

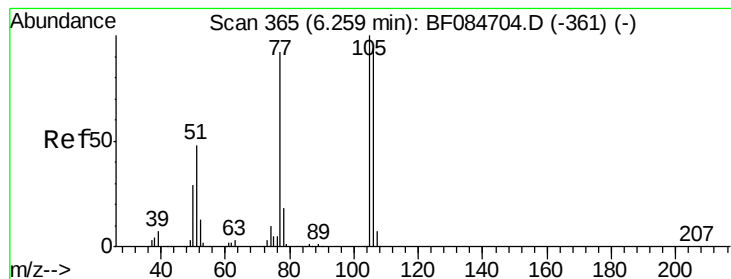


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 22.66 ng

RT: 6.25 min Scan# 364

Delta R.T. -0.02 min

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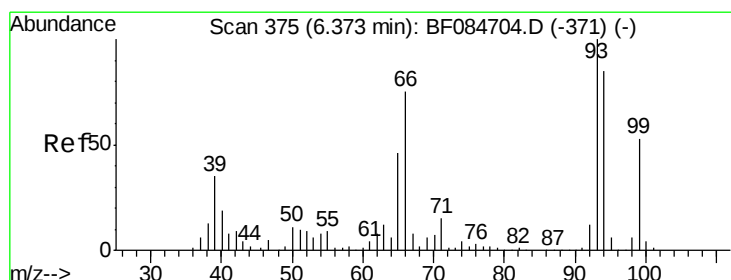
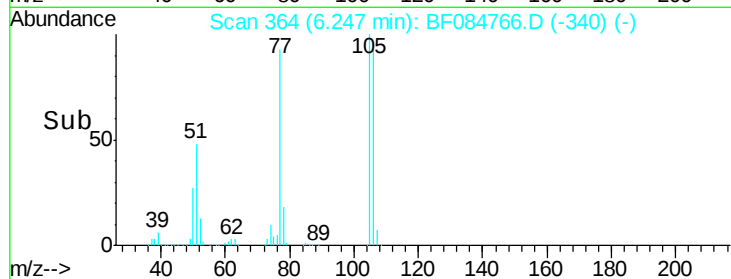
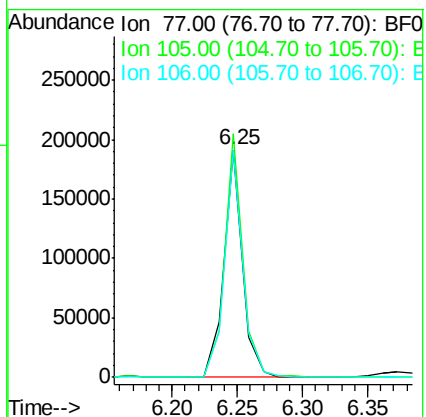
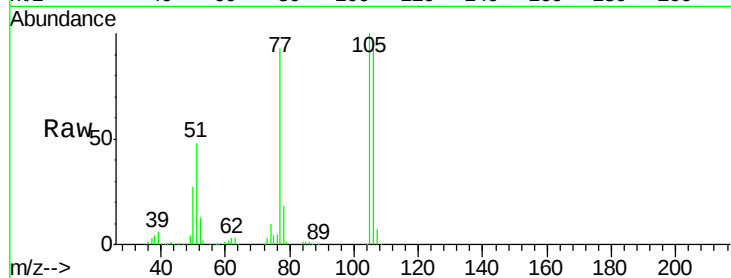
Tgt Ion: 77 Resp: 190567

Ion Ratio Lower Upper

77 100

105 107.2 83.0 123.0

106 99.8 74.6 114.6



#10

Phenol

Concen: 43.64 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

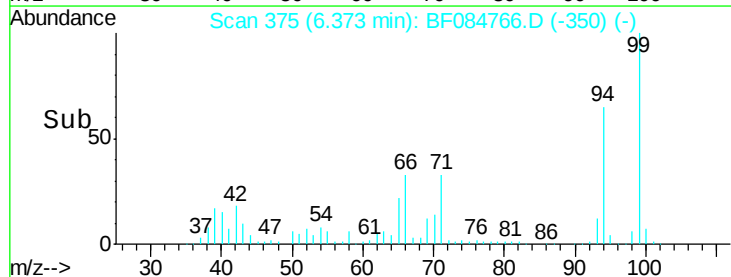
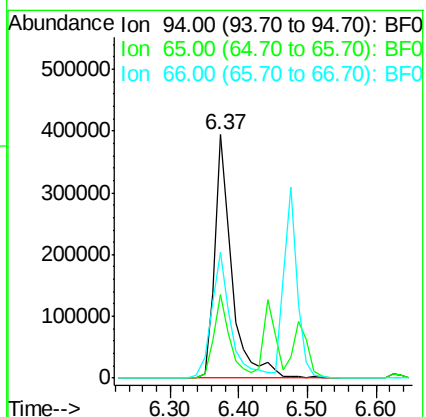
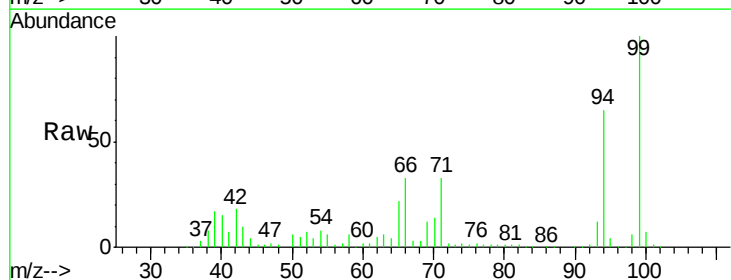
Tgt Ion: 94 Resp: 696076

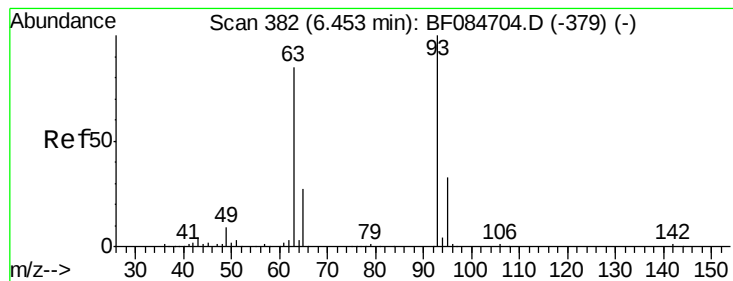
Ion Ratio Lower Upper

94 100

65 34.3 12.9 52.9

66 51.6 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 47.07 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

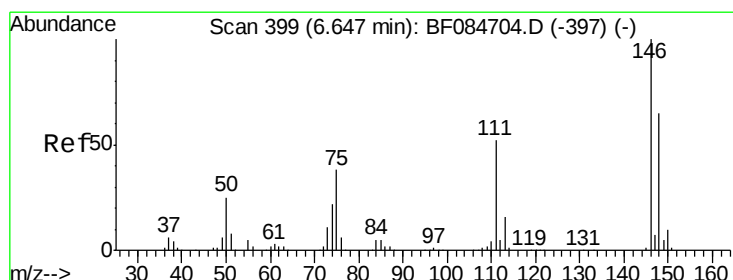
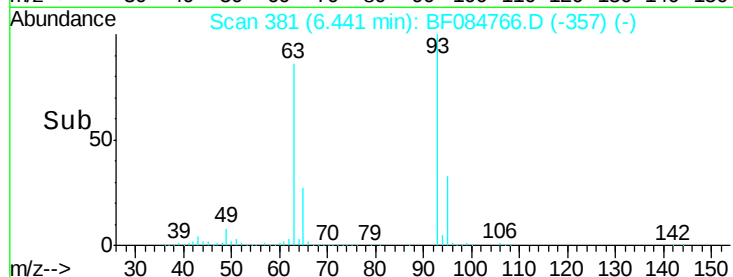
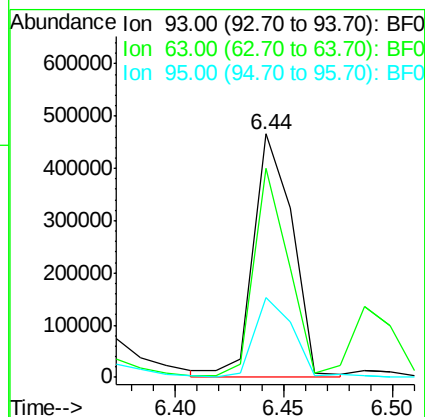
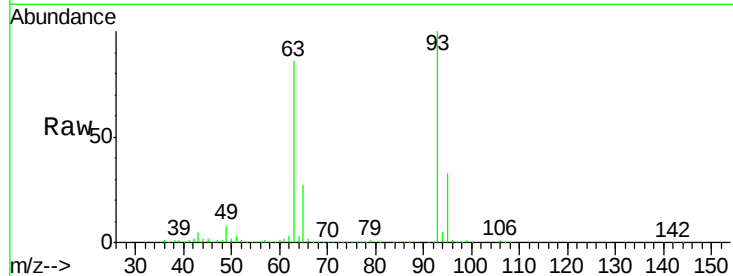
Tgt Ion: 93 Resp: 585533

Ion Ratio Lower Upper

93 100

63 85.7 45.9 85.9

95 32.6 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 40.29 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.22 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

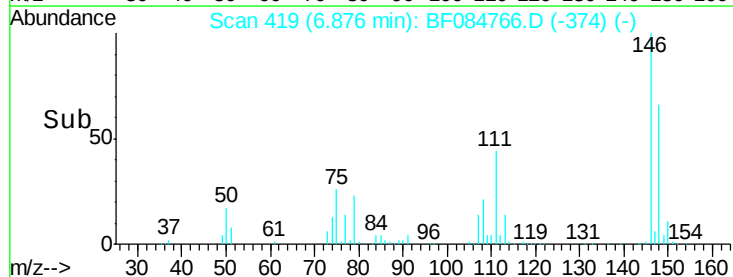
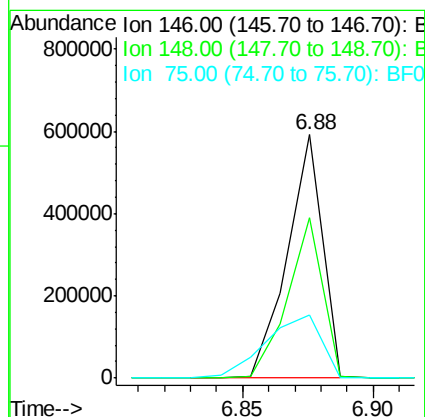
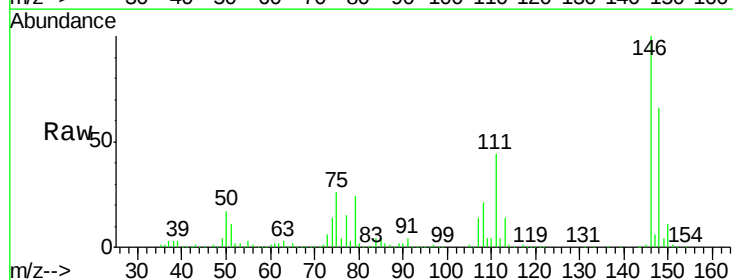
Tgt Ion: 146 Resp: 553453

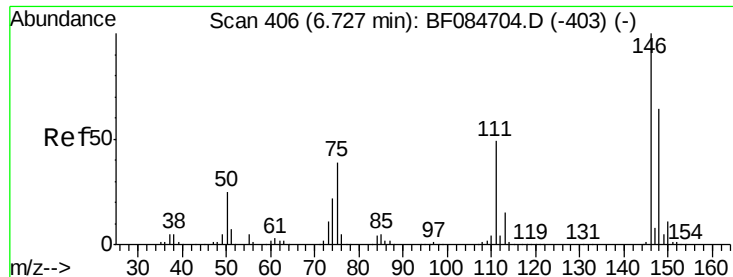
Ion Ratio Lower Upper

146 100

148 65.9 51.9 77.9

75 26.2 20.5 30.7

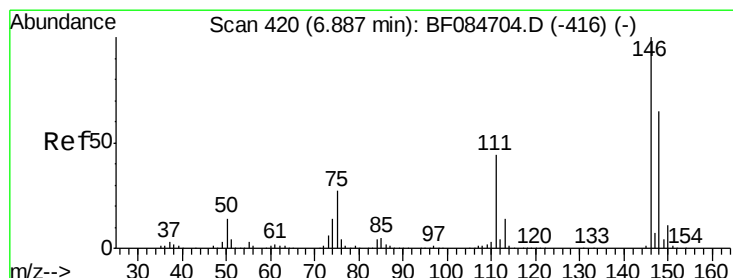
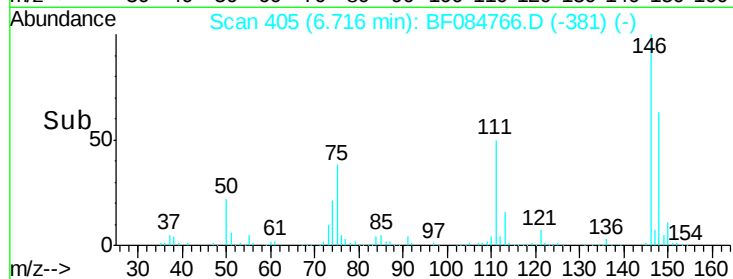
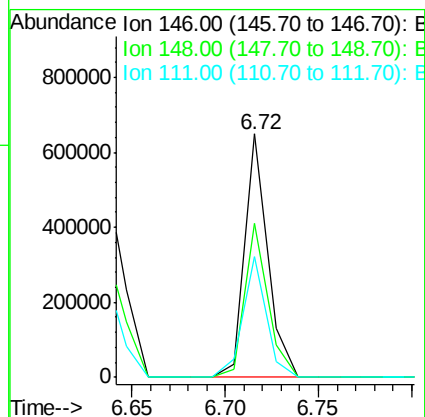
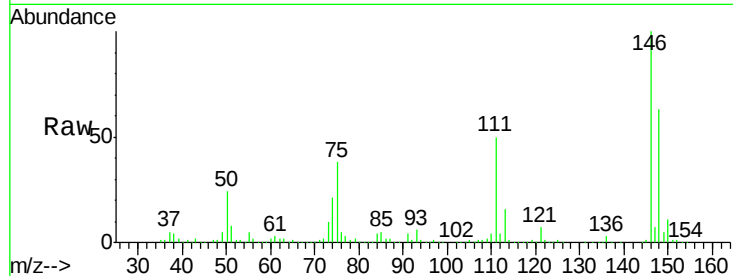




#13
 1,4-Dichlorobenzene
 Concen: 40.86 ng
 RT: 6.72 min Scan# 405
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

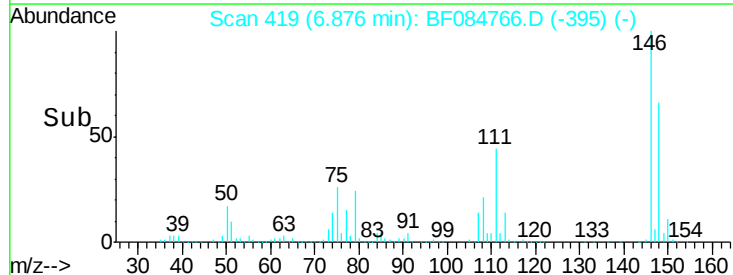
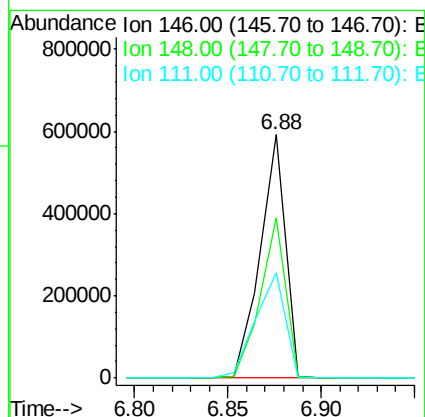
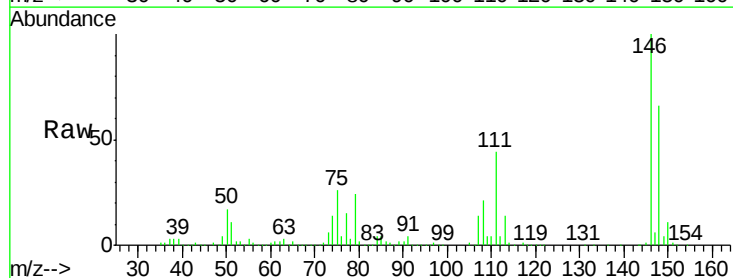
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)MS

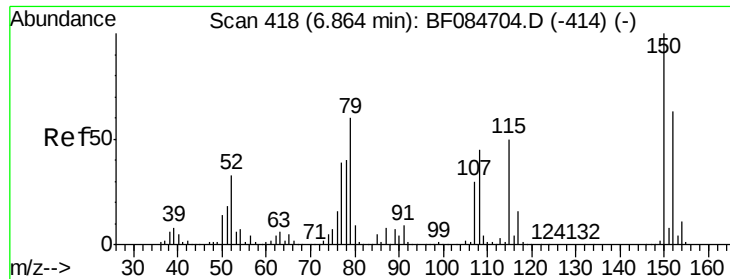
Tgt Ion:146 Resp: 561096
 Ion Ratio Lower Upper
 146 100
 148 63.1 51.9 77.9
 111 49.8 41.6 62.4



#14
 1,2-Dichlorobenzene
 Concen: 43.27 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Tgt Ion:146 Resp: 553384
 Ion Ratio Lower Upper
 146 100
 148 65.9 51.6 77.4
 111 43.5 38.0 57.0





#15

Benzyl Alcohol

Concen: 63.40 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

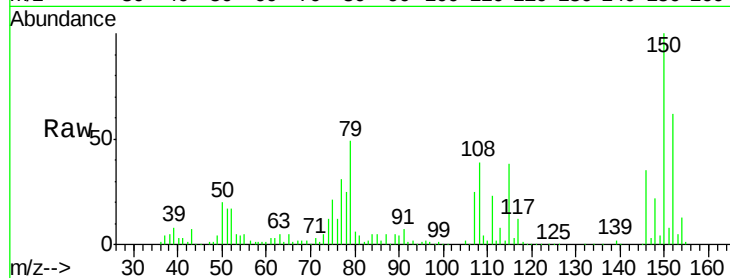
Tgt Ion: 79 Resp: 623432

Ion Ratio Lower Upper

79 100

108 79.4 69.0 103.4

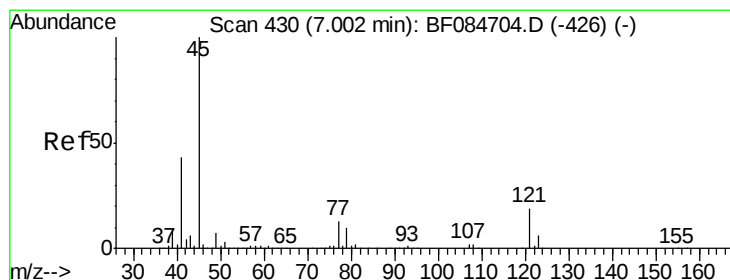
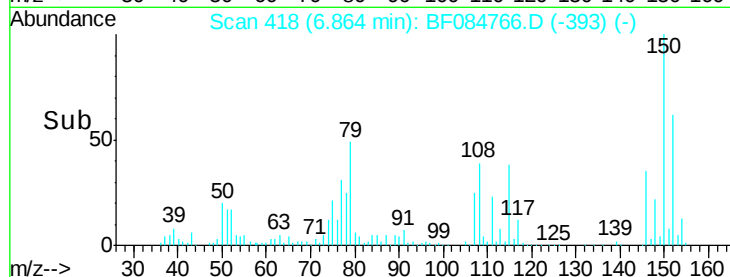
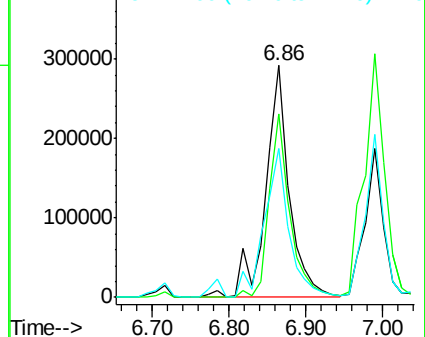
77 64.3 50.0 75.0



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: 41.26 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

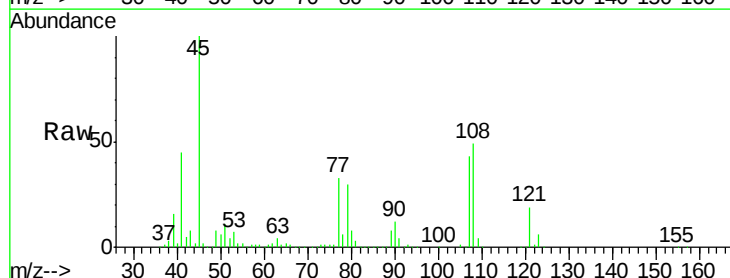
Tgt Ion: 45 Resp: 863318

Ion Ratio Lower Upper

45 100

77 32.7 0.0 39.6

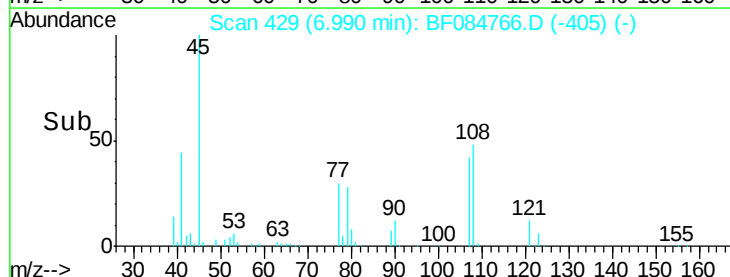
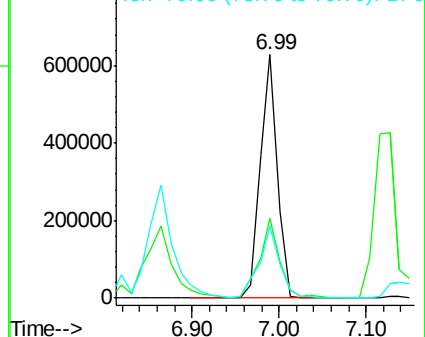
79 29.9 0.0 35.0

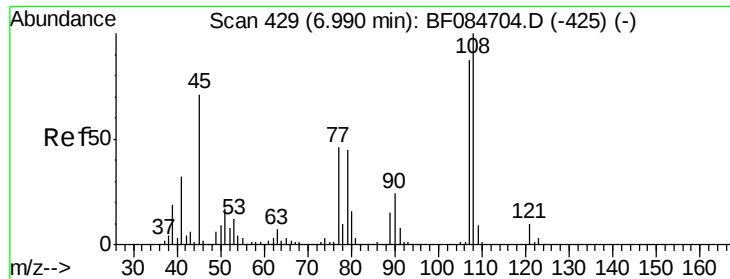


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

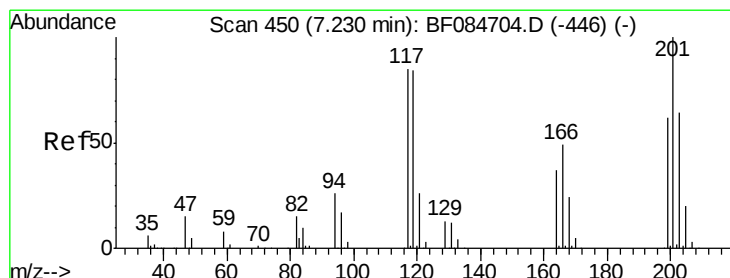
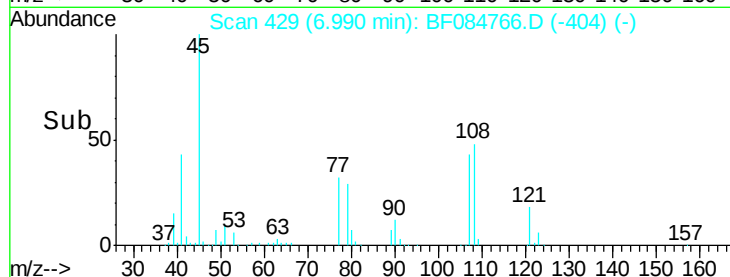
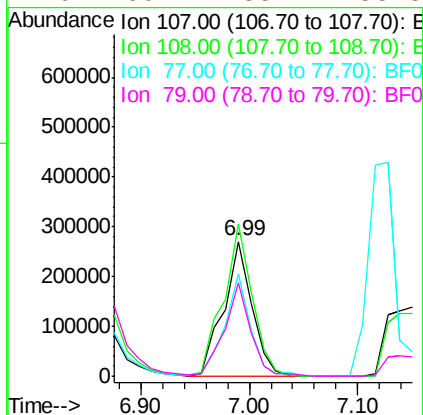
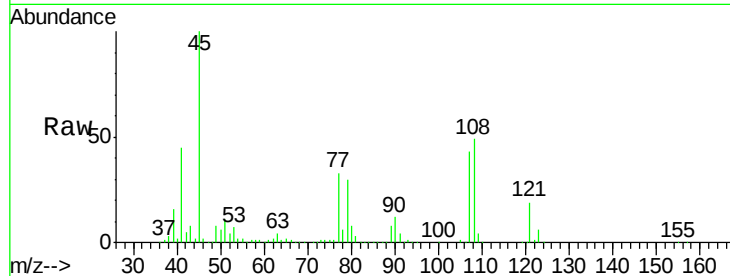




#17
2-Methylphenol
Concen: 47.63 ng
RT: 6.99 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

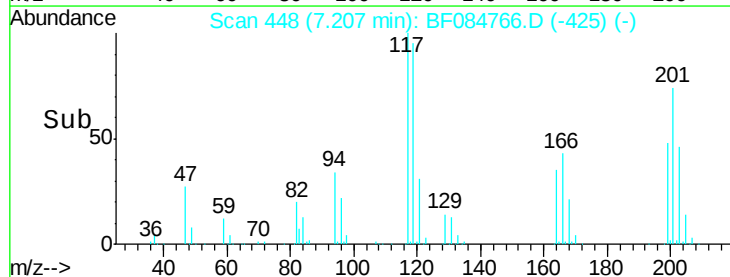
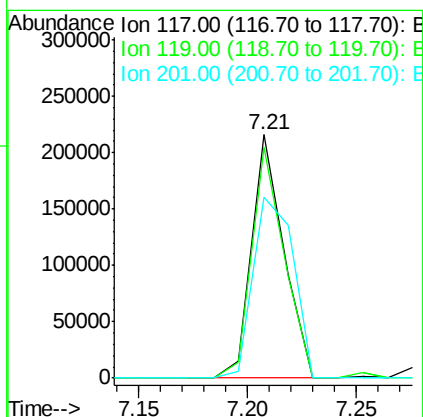
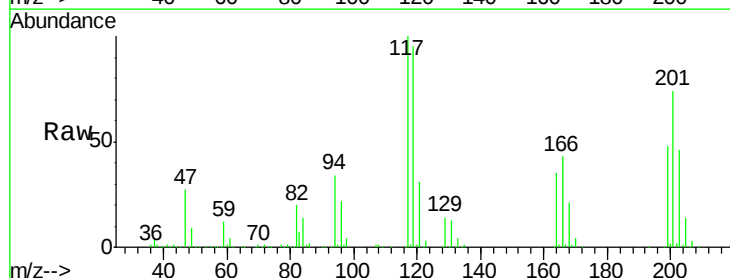
Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)MS

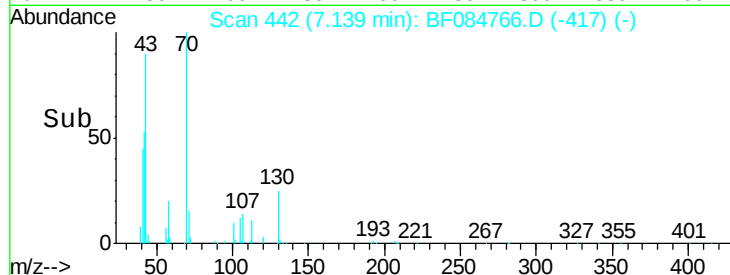
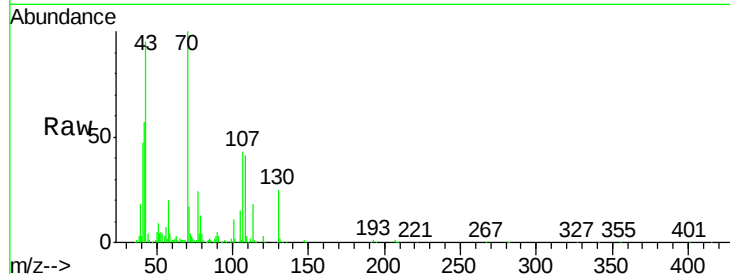
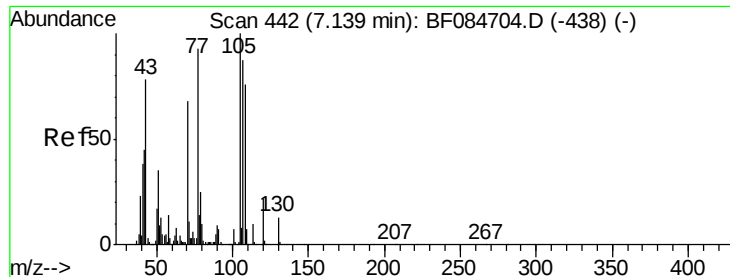
Tgt Ion:107 Resp: 489779
Ion Ratio Lower Upper
107 100
108 113.2 89.8 134.6
77 76.0 35.7 53.5#
79 69.4 35.7 53.5#



#18
Hexachloroethane
Concen: 41.83 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.03 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Tgt Ion:117 Resp: 221205
Ion Ratio Lower Upper
117 100
119 94.8 77.4 116.0
201 74.3 68.6 103.0

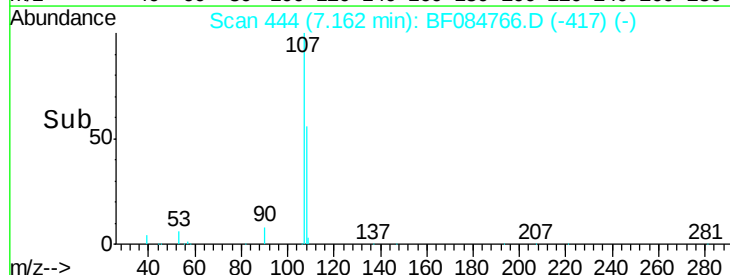
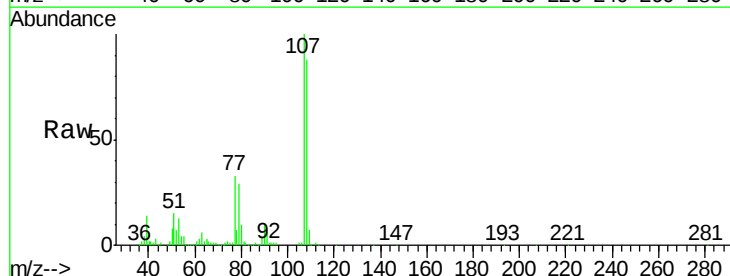
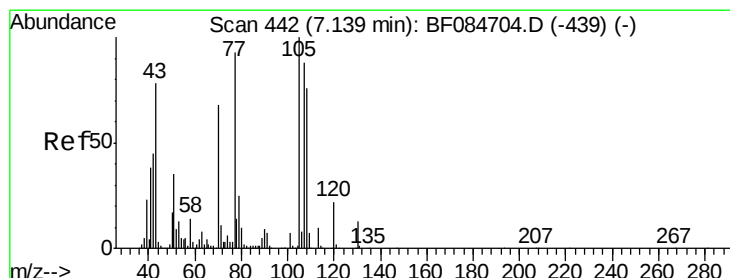
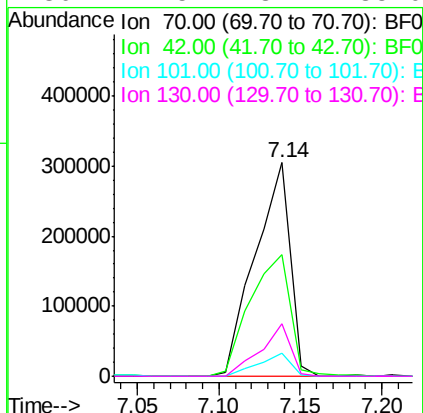




#19
n-Nitroso-di-n-propylamine
Concen: 51.20 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

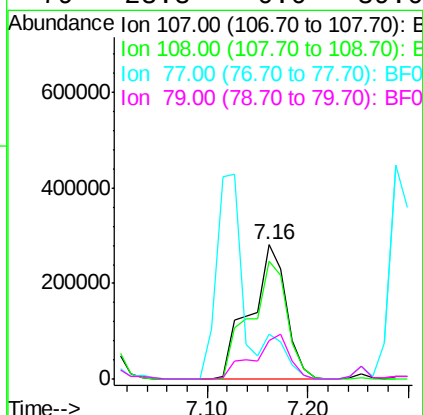
Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)MS

Tgt Ion:	70	Resp:	456974
Ion	Ratio	Lower	Upper
70	100		
42	57.2	33.3	49.9#
101	10.5	9.3	13.9
130	24.5	23.4	35.0



#20
3+4-Methylphenols
Concen: 54.25 ng
RT: 7.16 min Scan# 444
Delta R.T. 0.01 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Tgt Ion:	107	Resp:	692352
Ion	Ratio	Lower	Upper
107	100		
108	87.6	74.6	114.6
77	33.1	0.7	40.7
79	28.8	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

Tgt Ion:136 Resp: 811903

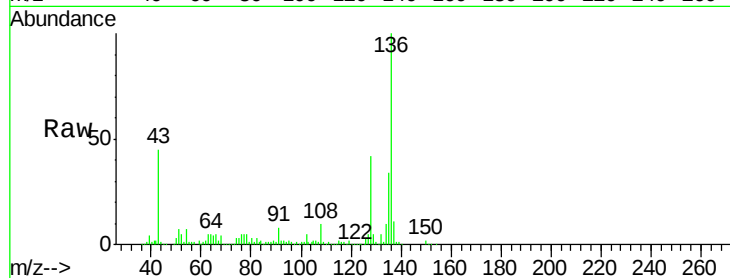
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.6 5.8 8.8

68 4.4 4.2 6.2

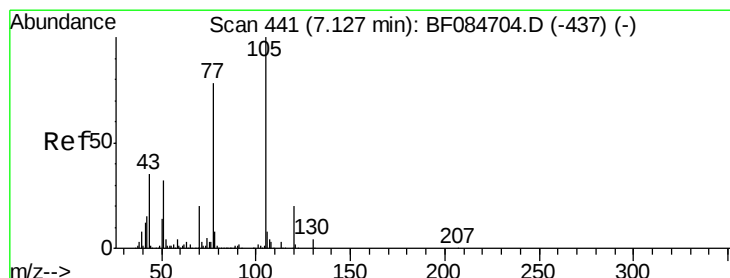
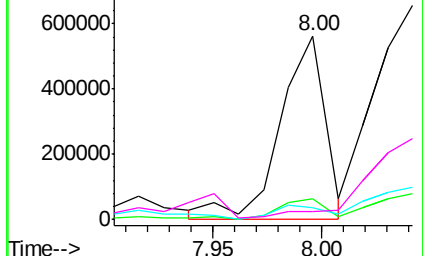
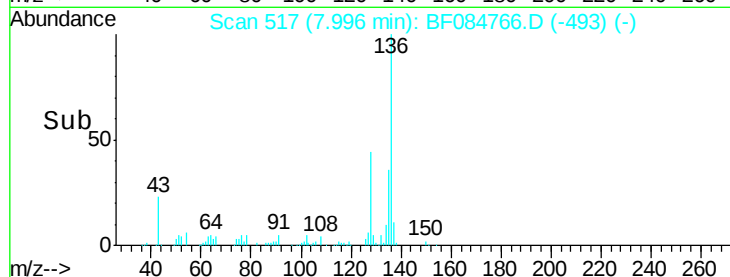


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 41.23 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Tgt Ion:105 Resp: 882196

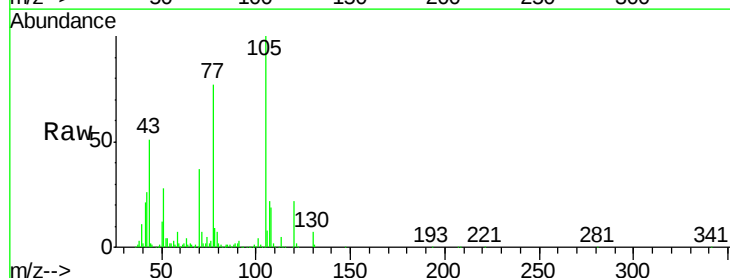
Ion Ratio Lower Upper

105 100

71 6.6 3.7 5.5#

51 28.0 25.1 37.7

120 21.9 16.6 25.0

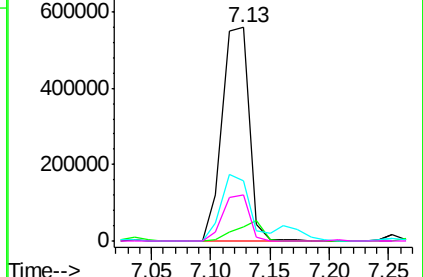
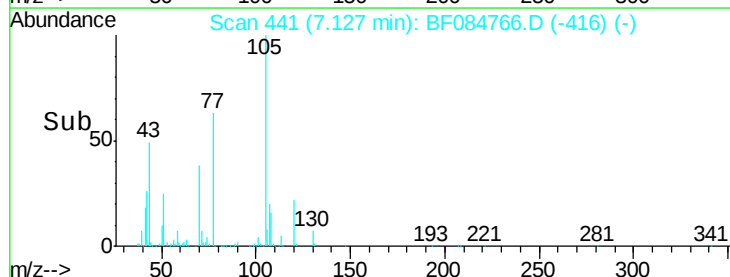


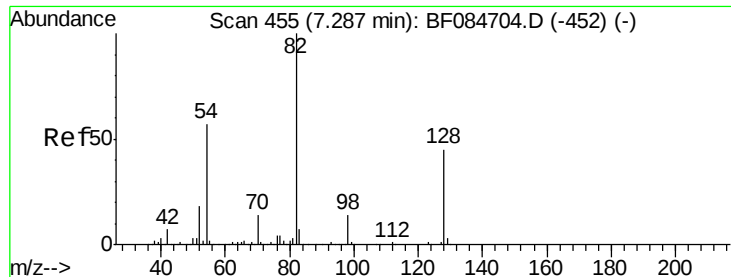
Abundance Ion 105.00 (104.70 to 105.70): E

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

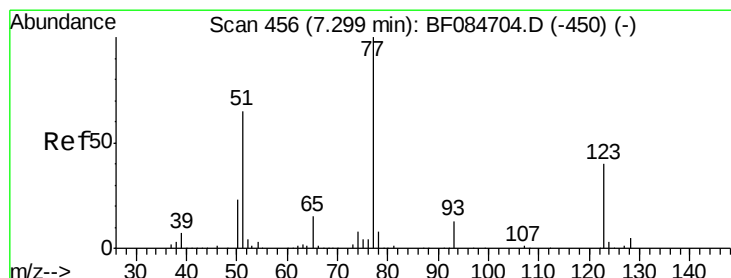
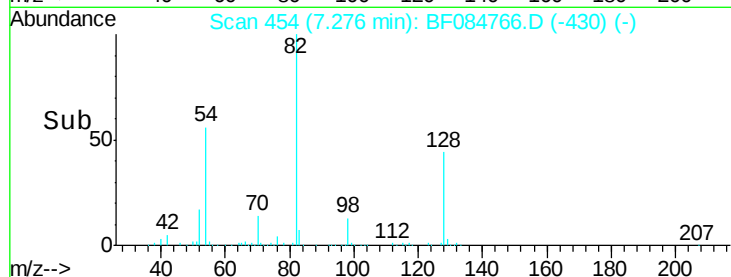
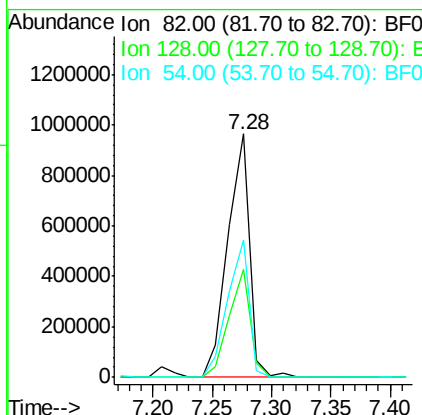
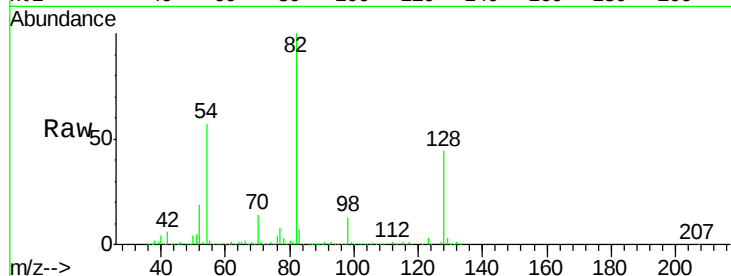




#23
Nitrobenzene-d5
Concen: 85.26 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

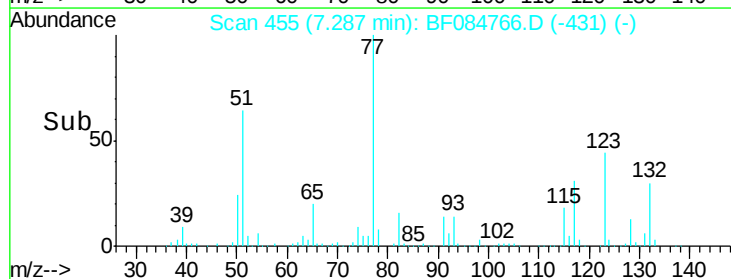
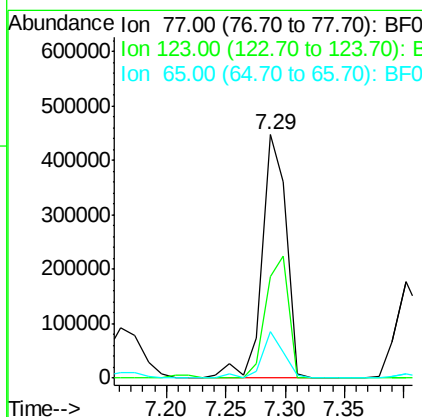
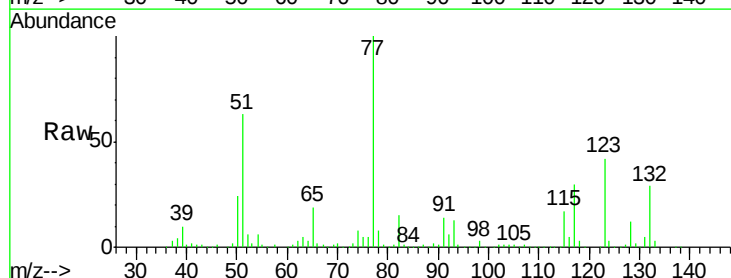
Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)MS

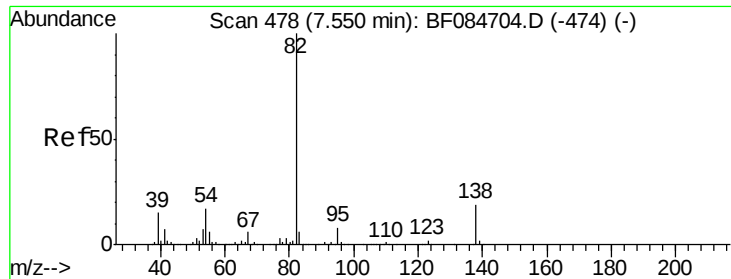
Tgt Ion: 82 Resp: 1228847
Ion Ratio Lower Upper
82 100
128 44.4 34.6 51.8
54 56.6 38.4 57.6



#24
Nitrobenzene
Concen: 40.99 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Tgt Ion: 77 Resp: 632660
Ion Ratio Lower Upper
77 100
123 41.6 37.4 56.2
65 19.1 10.9 16.3#





#25

Isophorone

Concen: 47.96 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

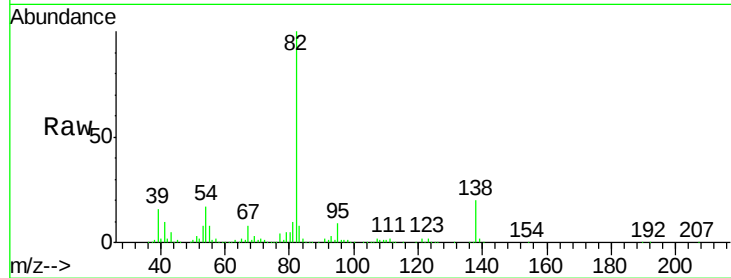
BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

Tgt Ion: 82 Resp: 1344187

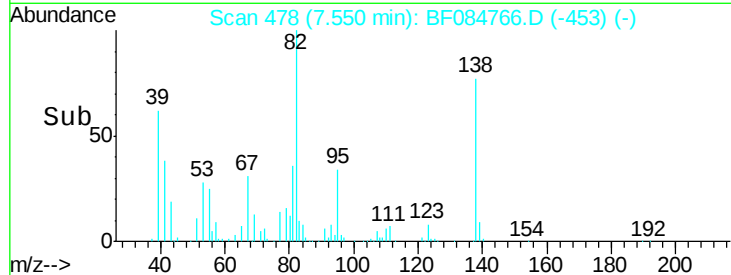
Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.6	10.0
138	19.6	13.6	20.4



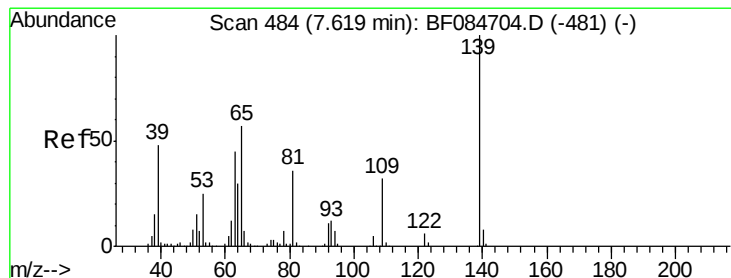
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



Time-->



#26

2-Nitrophenol

Concen: 40.31 ng

RT: 7.61 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

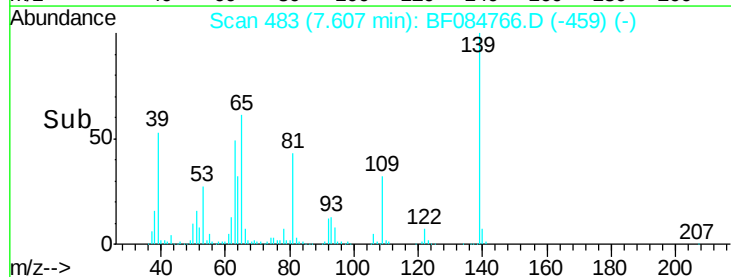
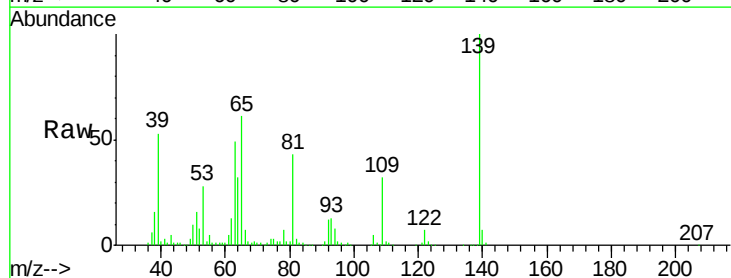
Tgt Ion: 139 Resp: 306856

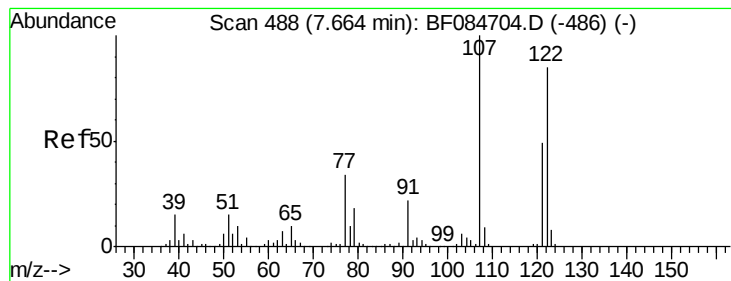
Ion	Ratio	Lower	Upper
139	100		
109	32.0	25.4	38.2
65	61.1	32.3	48.5

Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 44.92 ng

RT: 7.70 min Scan# 491

Delta R.T. 0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

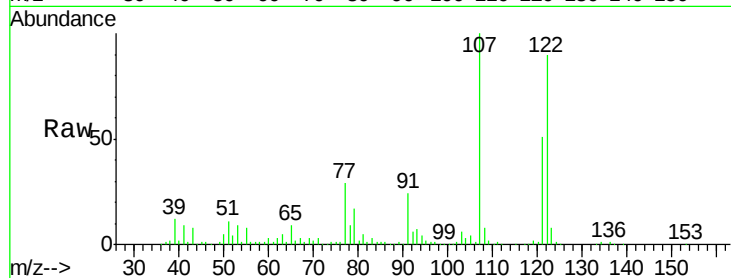
Tgt Ion: 122 Resp: 594770

Ion Ratio Lower Upper

122 100

107 111.7 99.1 148.7

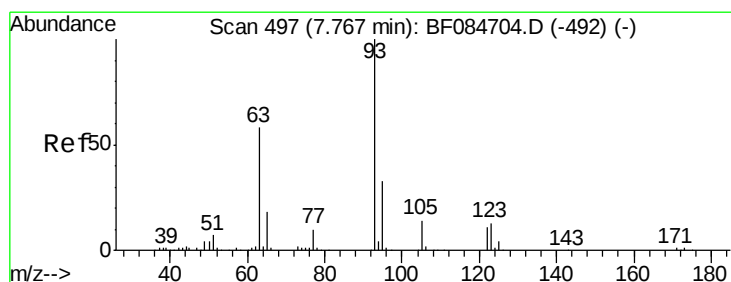
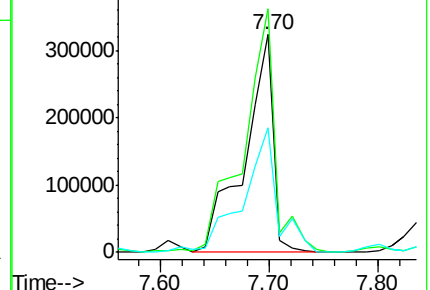
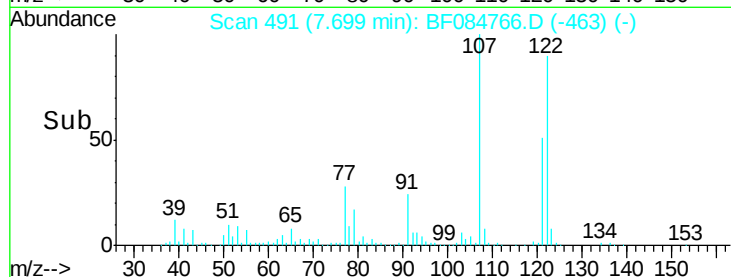
121 57.4 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 55.11 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

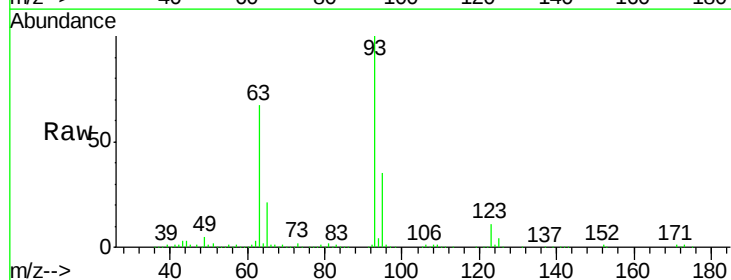
Tgt Ion: 93 Resp: 916304

Ion Ratio Lower Upper

93 100

95 34.9 25.8 38.6

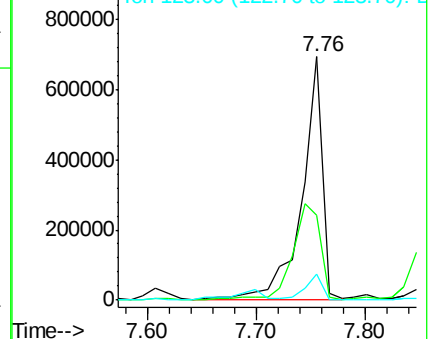
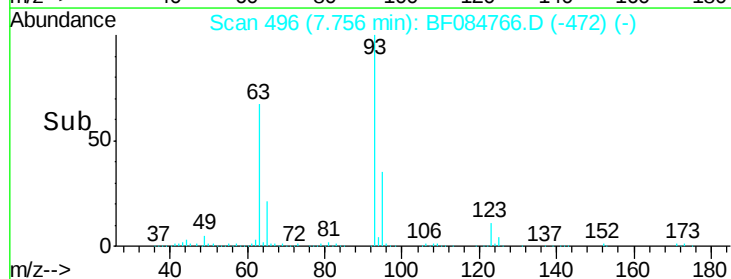
123 10.9 8.6 12.8

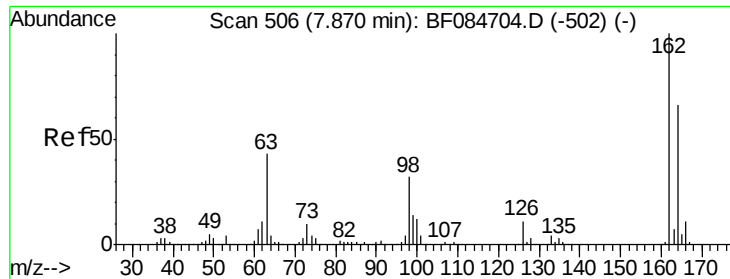


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

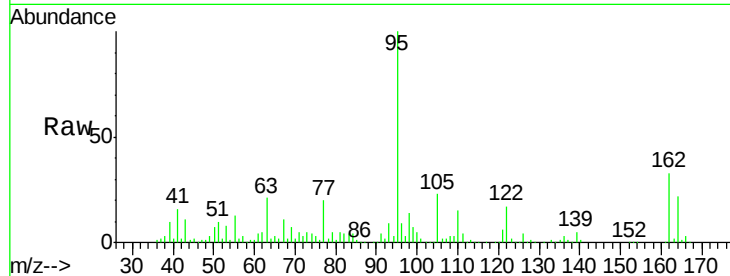




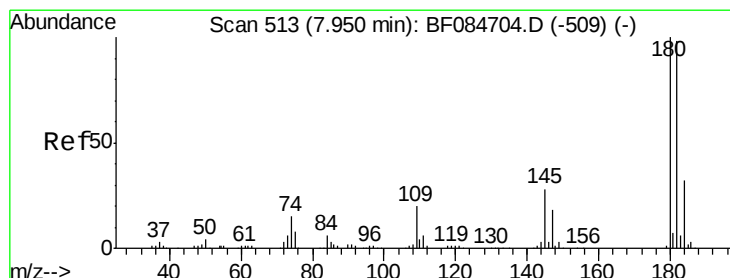
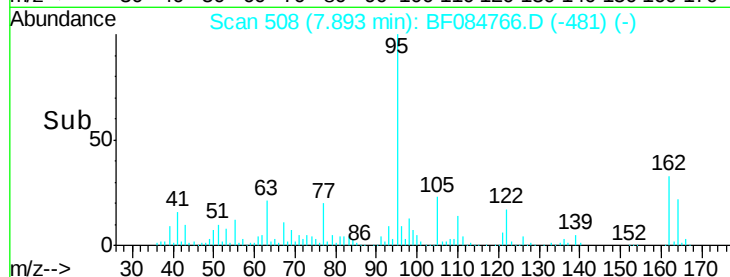
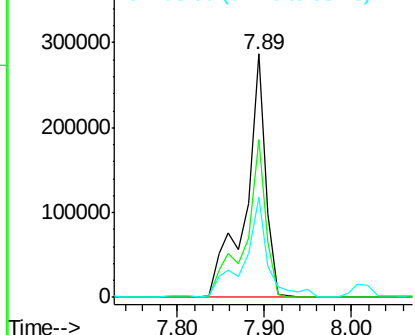
#29
 2,4-Dichlorophenol
 Concen: 41.65 ng
 RT: 7.89 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)MS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.1	84.1
98	41.1	20.2	60.2

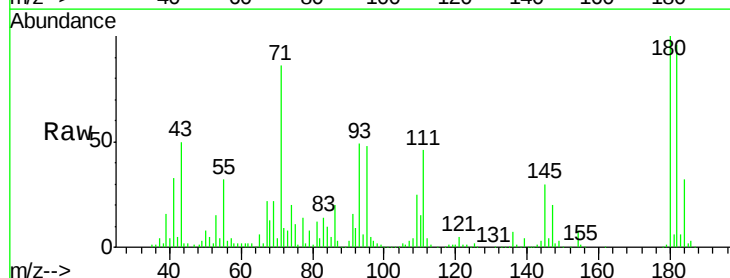


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

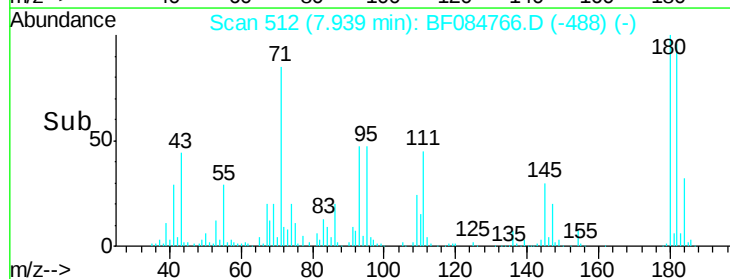
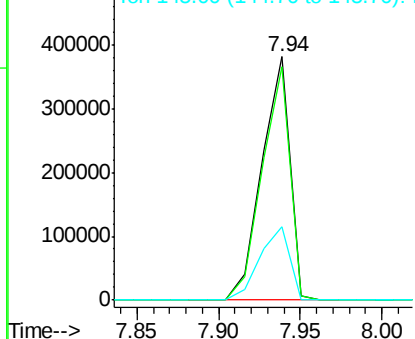


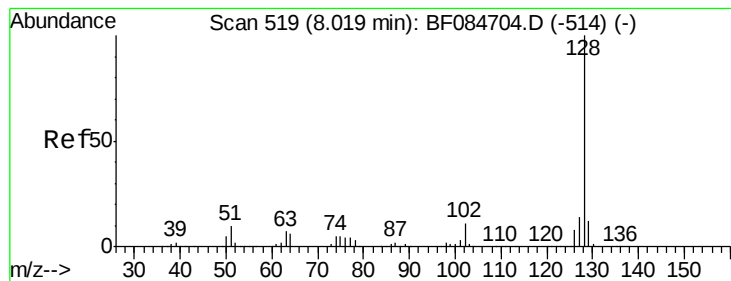
#30
 1,2,4-Trichlorobenzene
 Concen: 35.73 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
145	30.0	31.6	47.4#



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.99 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

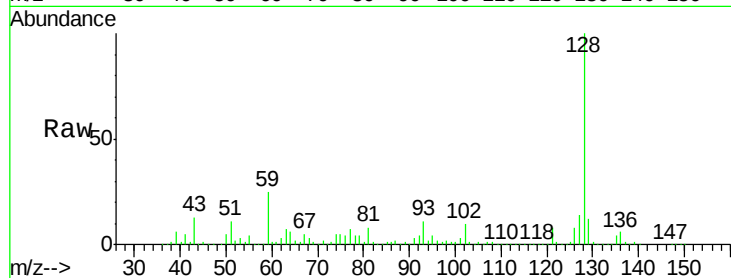
Tgt Ion:128 Resp: 1547368

Ion Ratio Lower Upper

128 100

129 11.9 9.1 13.7

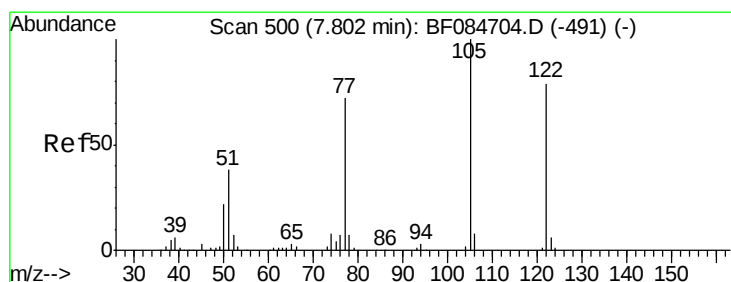
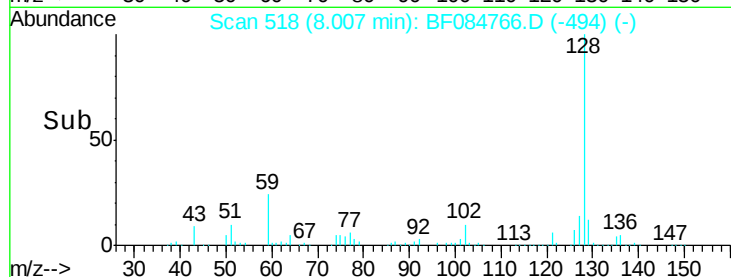
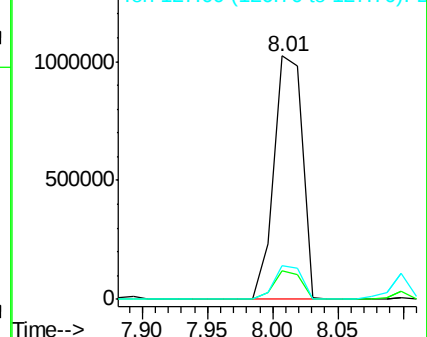
127 13.8 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 70.23 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.11 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

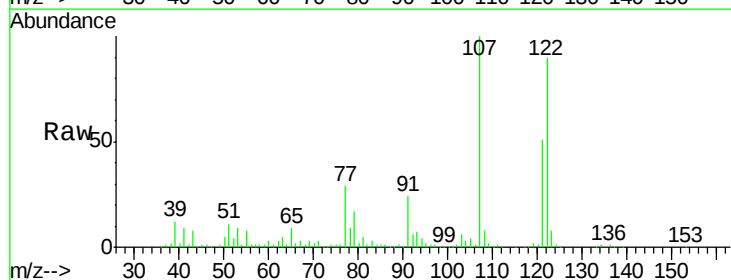
Tgt Ion:122 Resp: 594770

Ion Ratio Lower Upper

122 100

105 4.0 100.3 140.3#

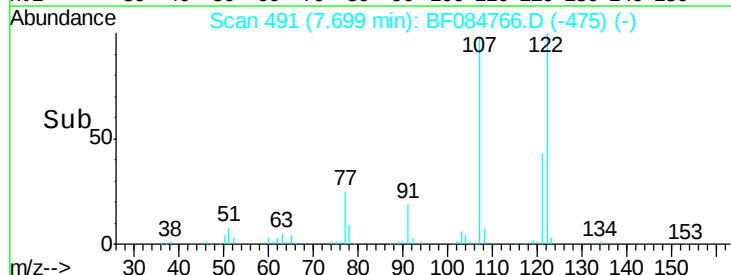
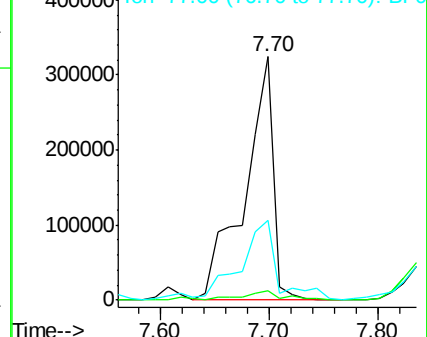
77 32.8 63.5 103.5#

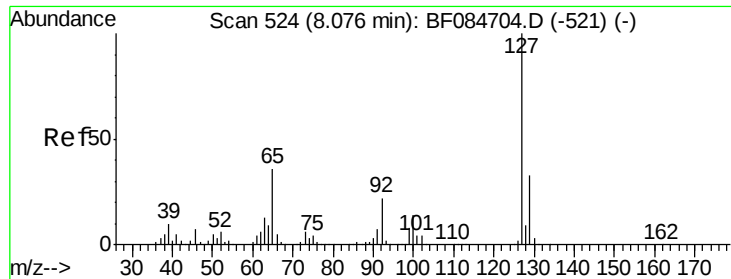


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

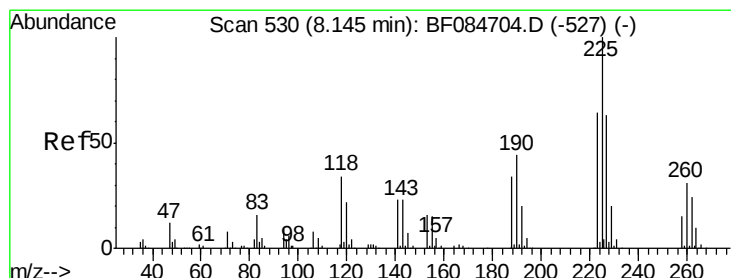
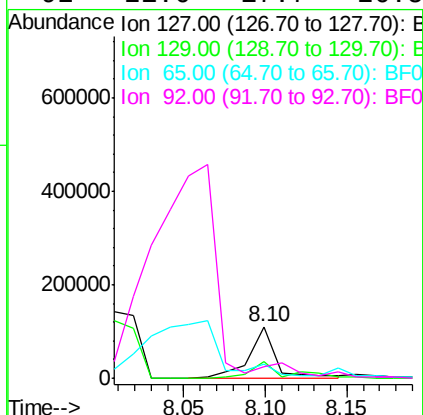
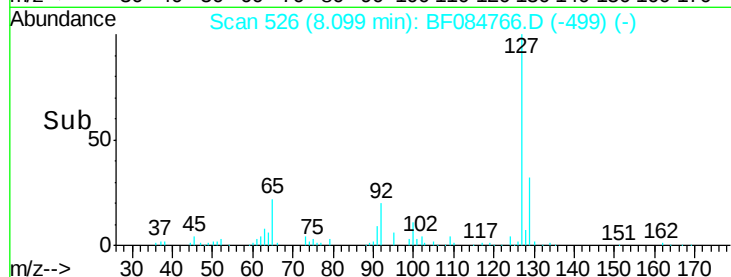
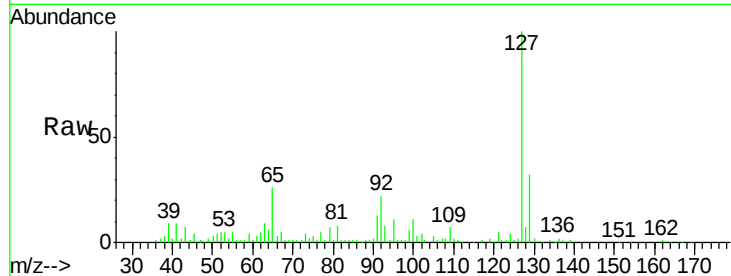




#33
4-Chloroaniline
Concen: 7.28 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.01 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

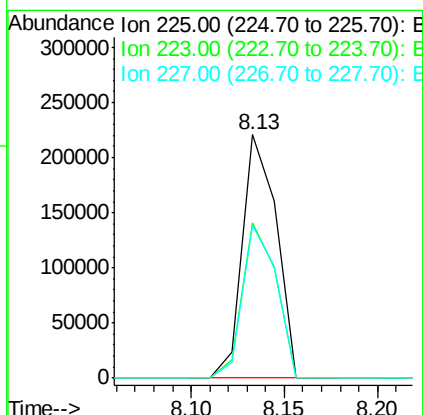
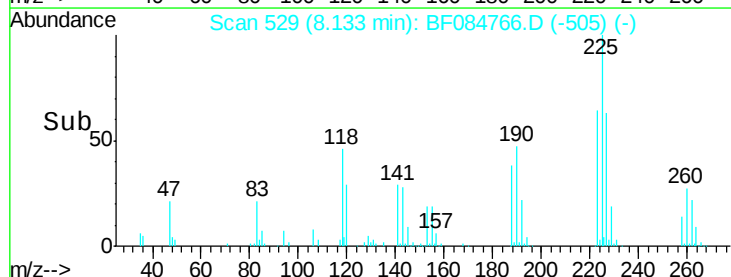
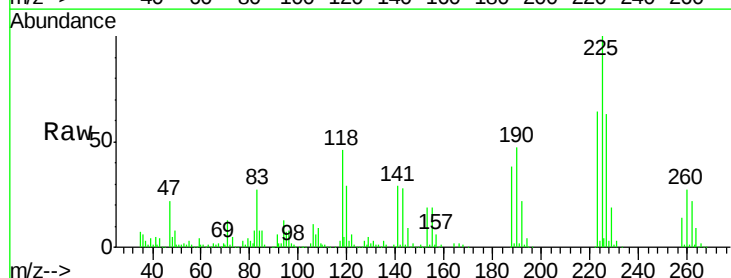
Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)MS

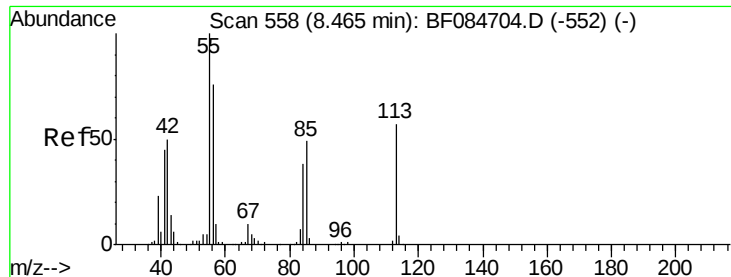
Tgt Ion:	127	Resp:	122551
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.5	39.7
65	26.2	27.2	40.8#
92	21.6	17.7	26.5



#34
Hexachlorobutadiene
Concen: 37.68 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Tgt Ion:	225	Resp:	278040
Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.4	74.0
227	63.0	50.8	76.2

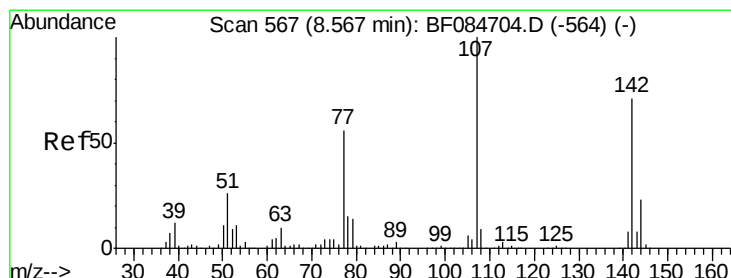
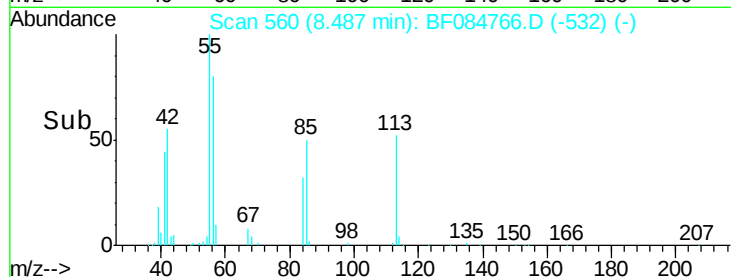
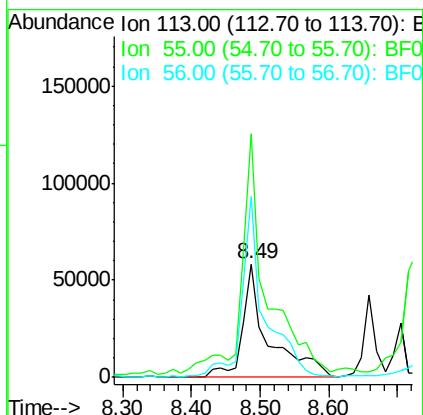
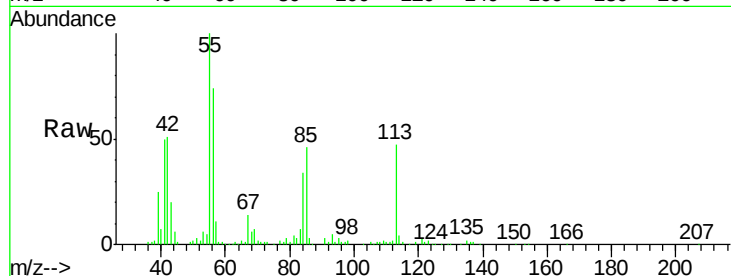




#35
 Caprolactam
 Concen: 43.98 ng
 RT: 8.49 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

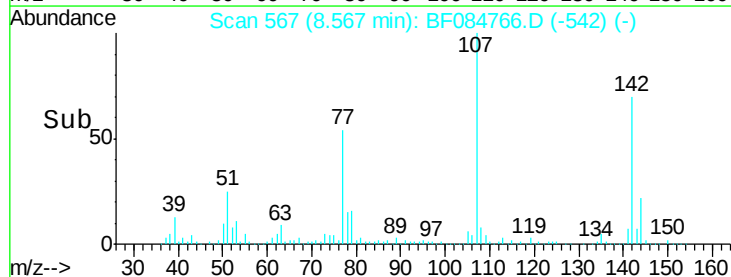
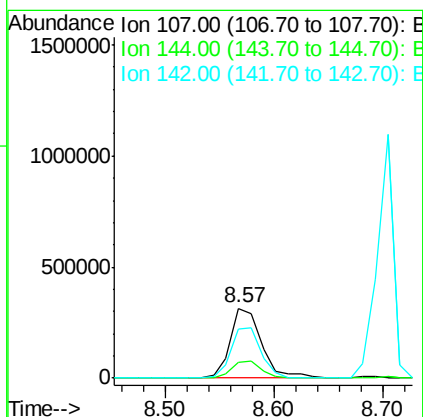
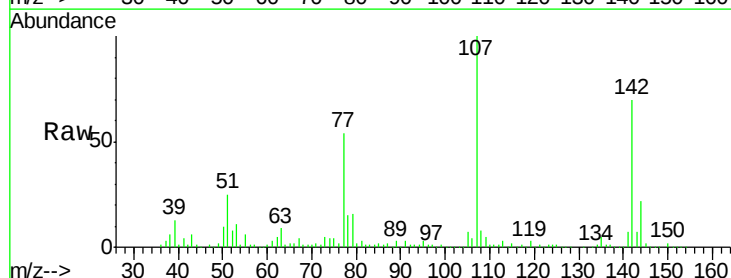
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)MS

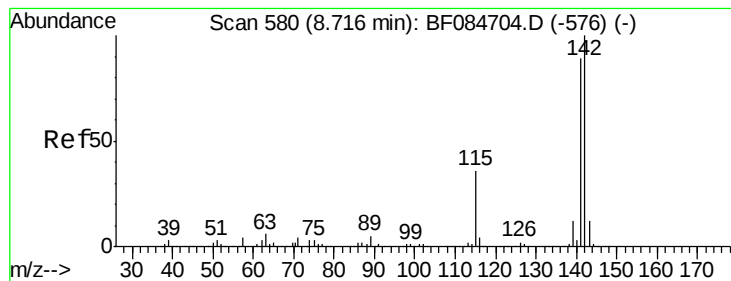
Tgt Ion:113 Resp: 153557
 Ion Ratio Lower Upper
 113 100
 55 215.0 116.9 156.9#
 56 159.2 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 47.77 ng
 RT: 8.57 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Tgt Ion:107 Resp: 617378
 Ion Ratio Lower Upper
 107 100
 144 22.2 19.7 29.5
 142 70.2 61.8 92.6

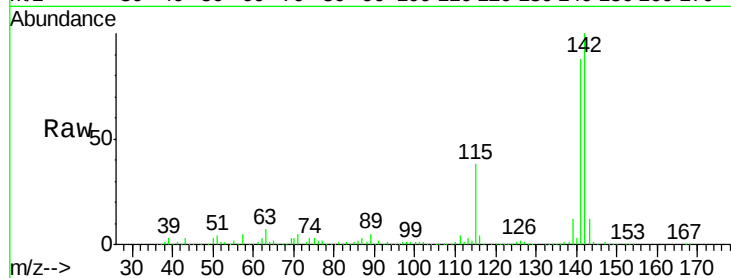




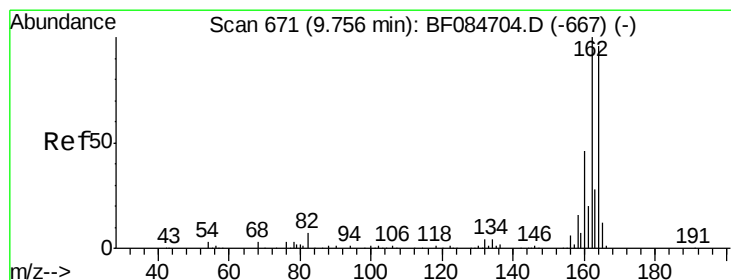
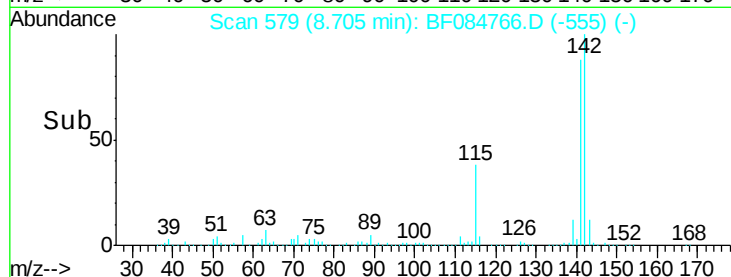
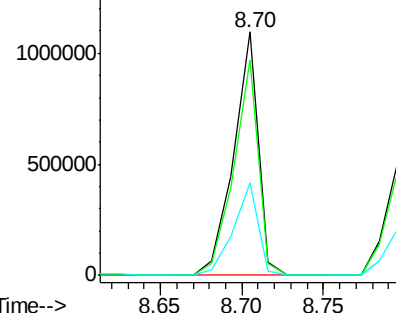
#37
2-Methylnaphthalene
Concen: 44.94 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)MS

Tgt Ion:142 Resp: 1145364
Ion Ratio Lower Upper
142 100
141 88.4 72.4 108.6
115 38.0 27.9 41.9

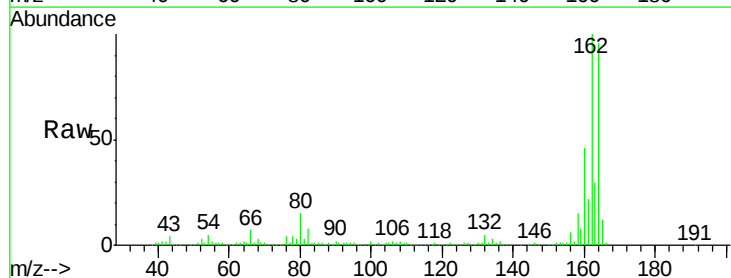


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

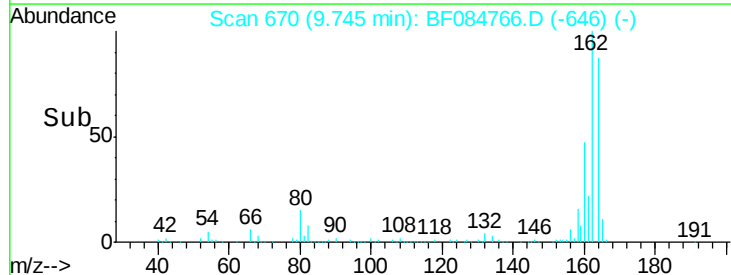
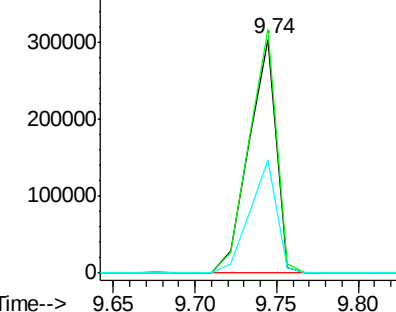


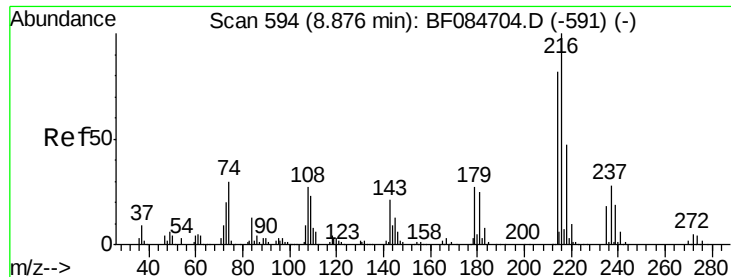
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Tgt Ion:164 Resp: 355244
Ion Ratio Lower Upper
164 100
162 104.3 85.1 127.7
160 48.4 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

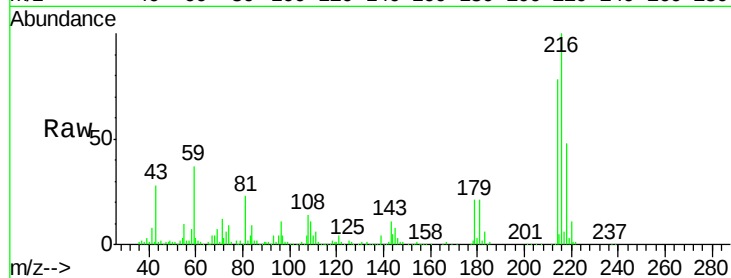




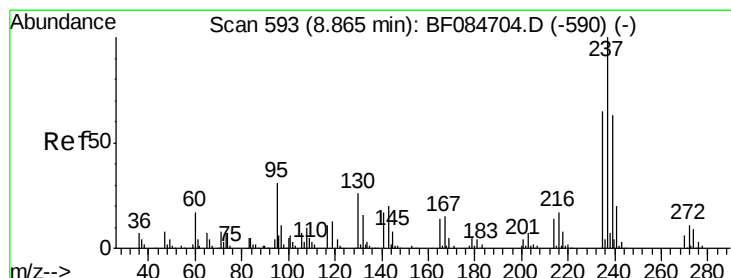
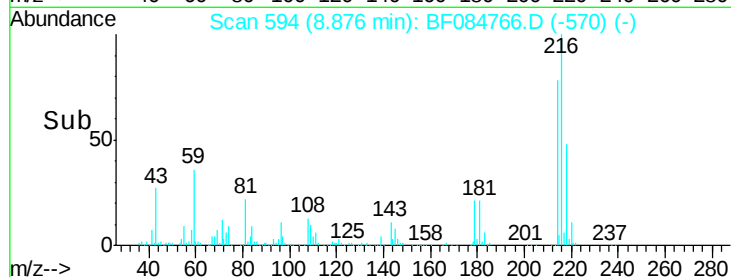
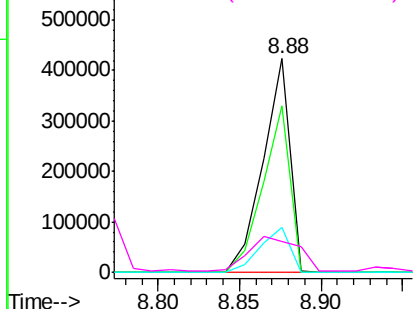
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.01 ng
 RT: 8.88 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)MS

Tgt Ion:216 Resp: 485260
 Ion Ratio Lower Upper
 216 100
 214 78.3 64.2 96.2
 179 23.2 18.7 28.1
 108 31.1 16.8 25.2#

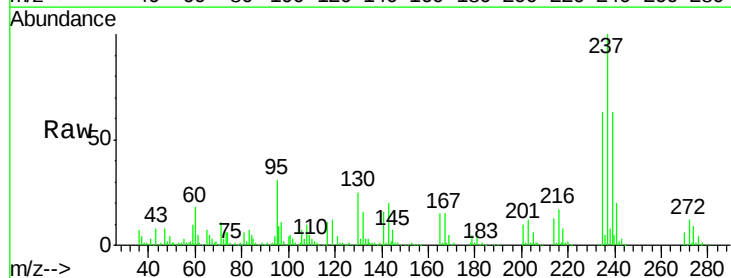


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

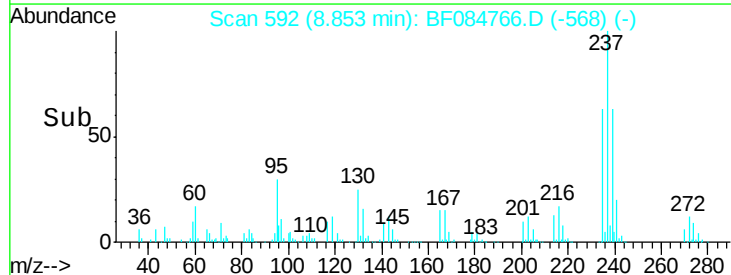
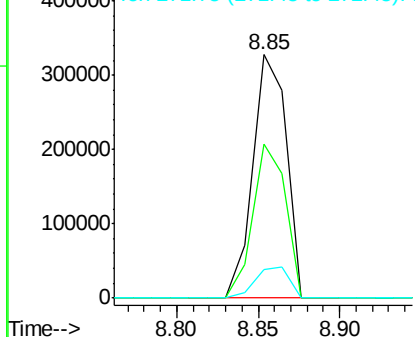


#40
 Hexachlorocyclopentadiene
 Concen: 89.41 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Tgt Ion:237 Resp: 466707
 Ion Ratio Lower Upper
 237 100
 235 63.4 43.1 83.1
 272 11.7 0.0 35.1



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

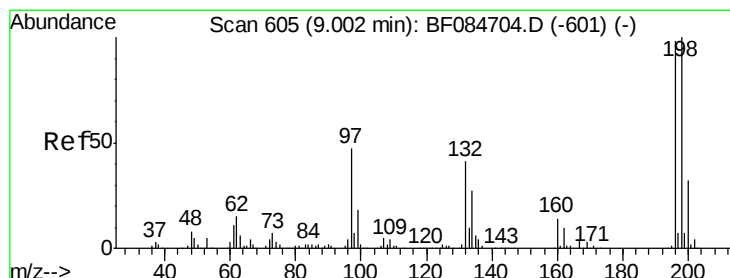
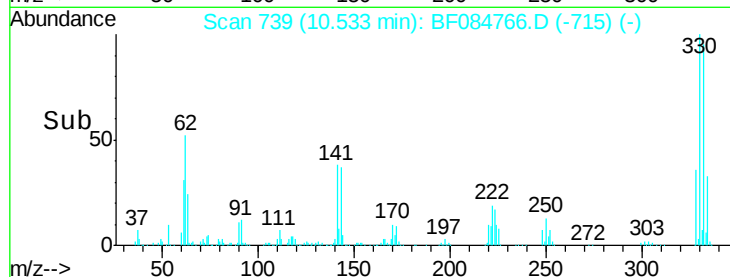
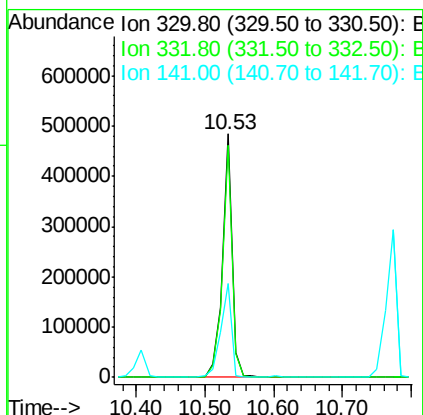
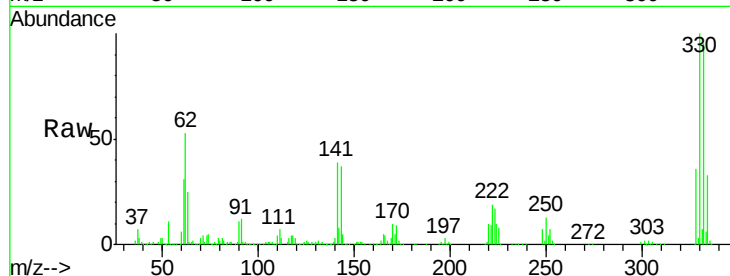




#41
 2,4,6-Tribromophenol
 Concen: 131.33 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

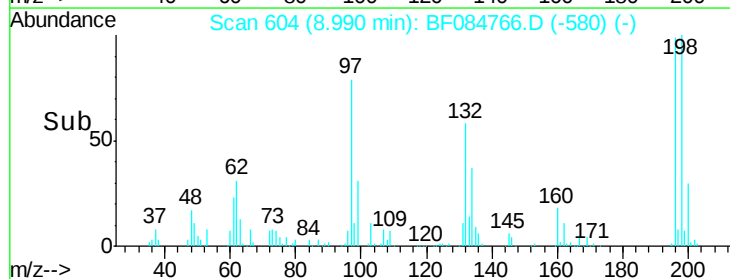
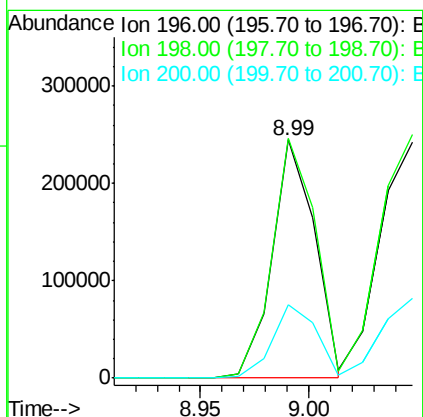
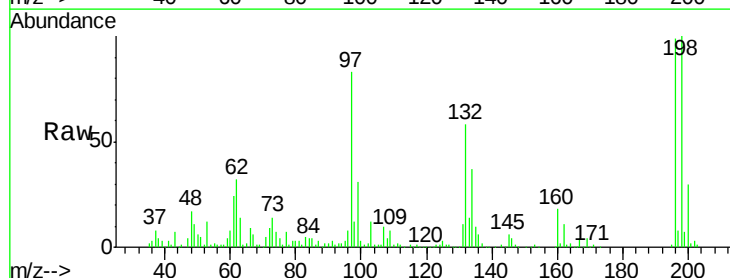
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)MS

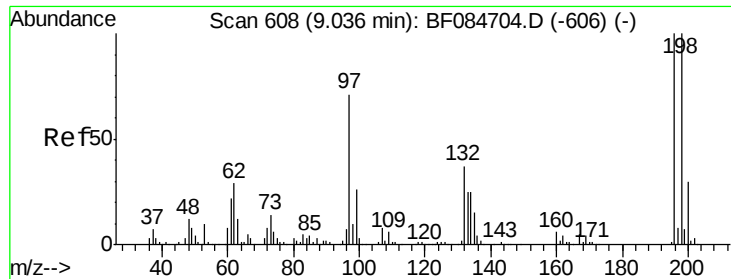
Tgt Ion:330 Resp: 486639
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 42.2 27.8 41.6#



#42
 2,4,6-Trichlorophenol
 Concen: 46.06 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Tgt Ion:196 Resp: 334759
 Ion Ratio Lower Upper
 196 100
 198 100.7 77.7 116.5
 200 30.7 24.6 37.0

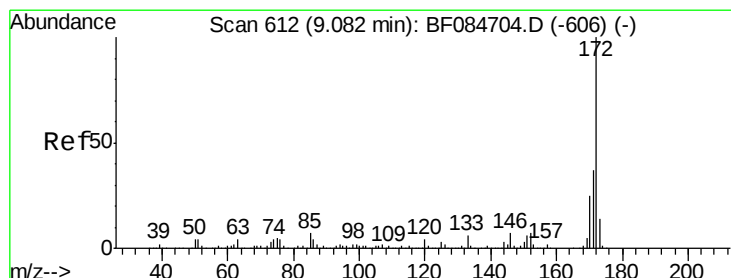
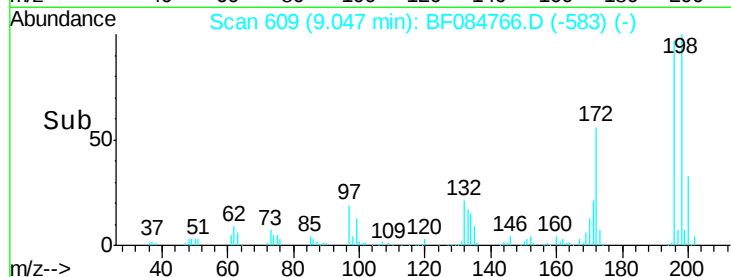
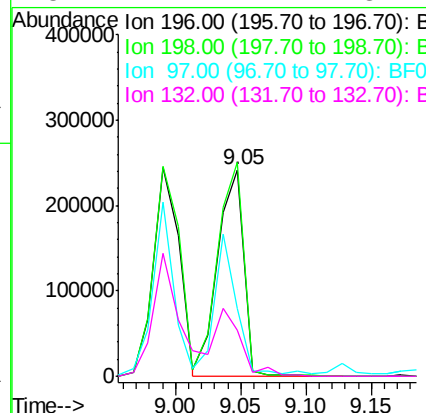
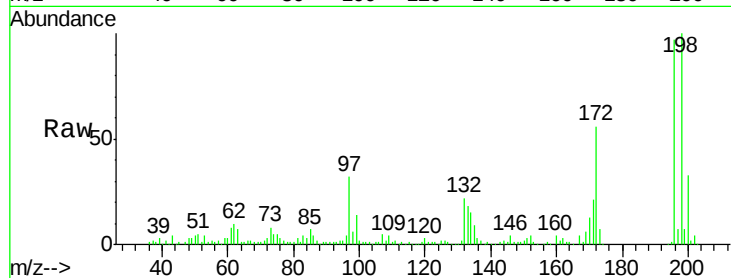




#43
 2,4,5-Trichlorophenol
 Concen: 45.51 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

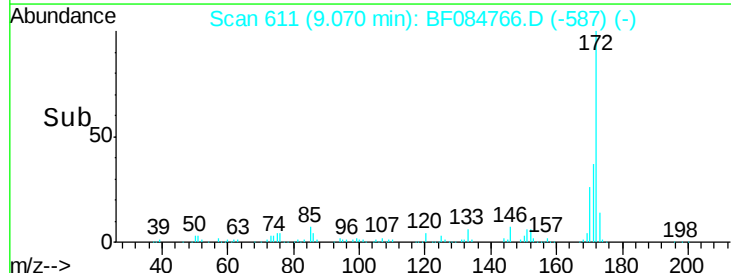
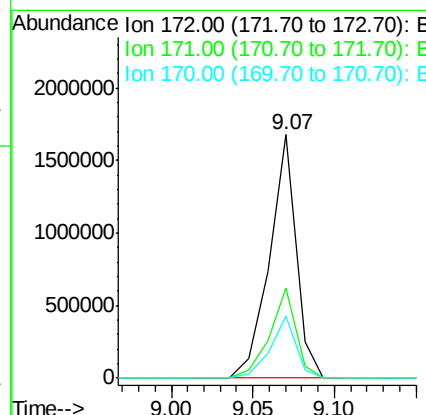
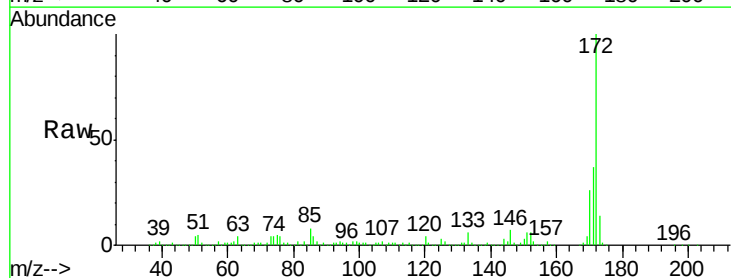
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)MS

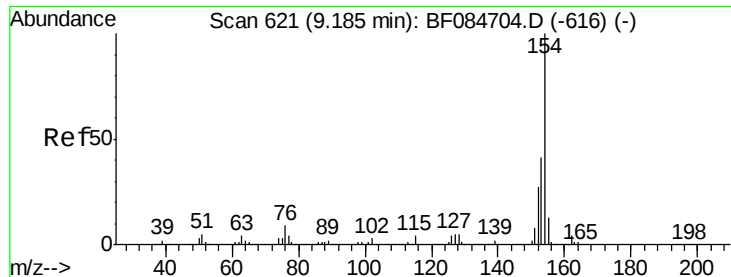
Tgt Ion	Ratio	Lower	Upper
196	100		
198	103.5	79.0	118.6
97	32.9	33.0	49.6
132	22.4	21.1	31.7



#44
 2-Fluorobiphenyl
 Concen: 94.95 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084766.D
 Acq: 3 Feb 2016 2:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	25.6	18.6	27.8





#45

1,1'-Biphenyl

Concen: 46.19 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

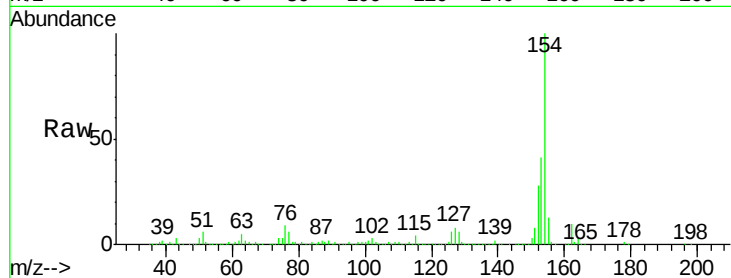
Tgt Ion:154 Resp: 1465558

Ion Ratio Lower Upper

154 100

153 40.6 21.6 61.6

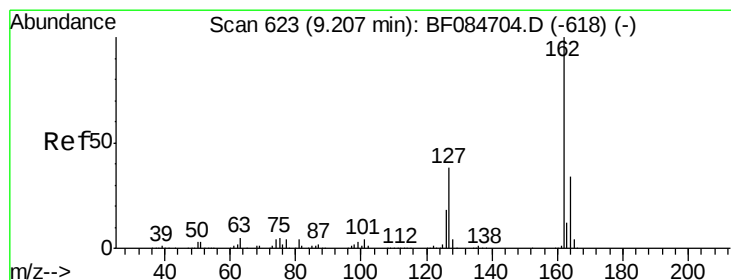
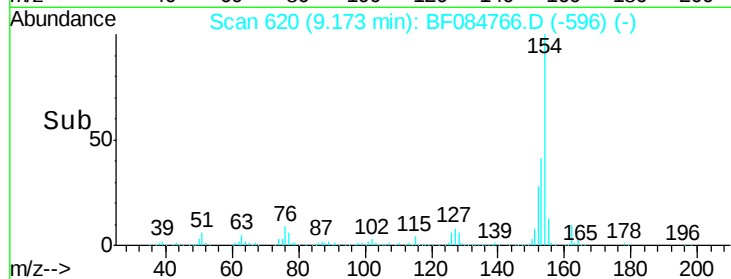
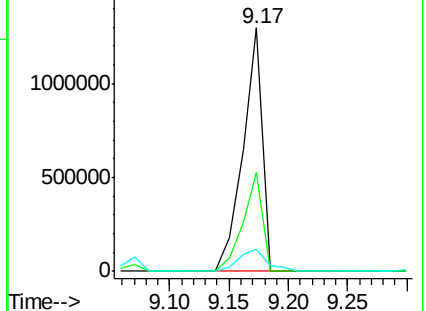
76 9.1 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 45.40 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

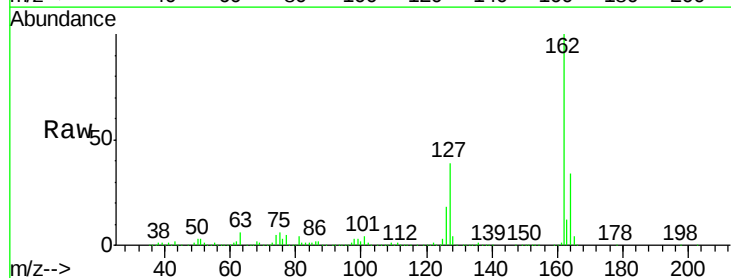
Tgt Ion:162 Resp: 1060893

Ion Ratio Lower Upper

162 100

127 38.5 40.2 60.4#

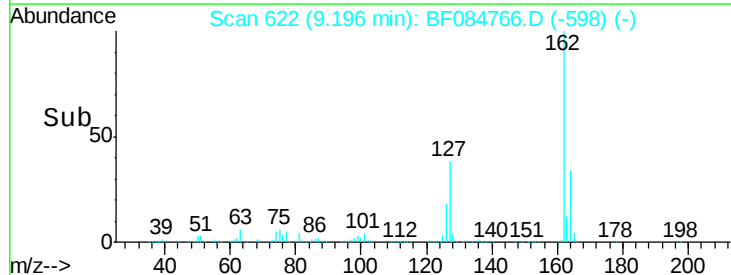
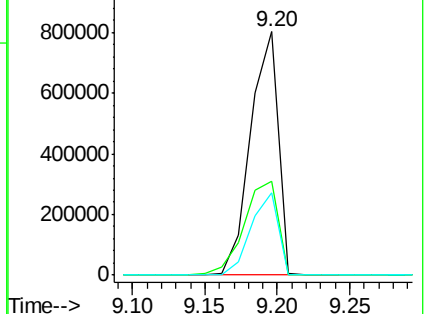
164 34.0 25.7 38.5

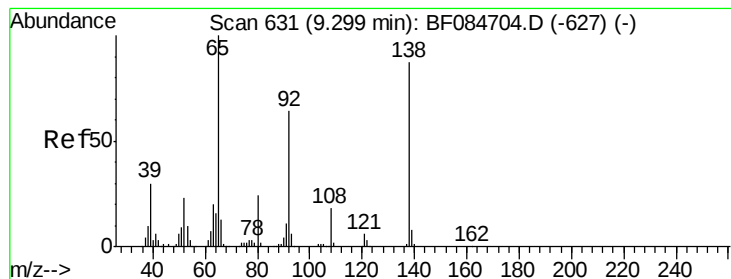


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 51.44 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

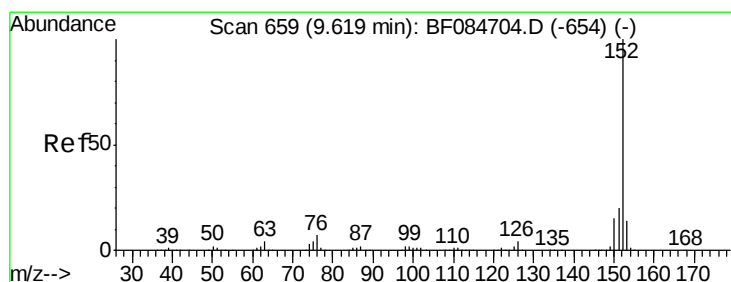
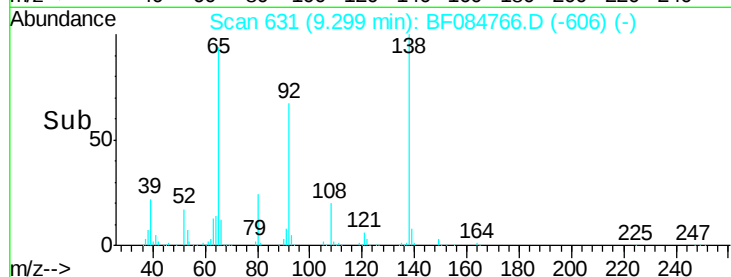
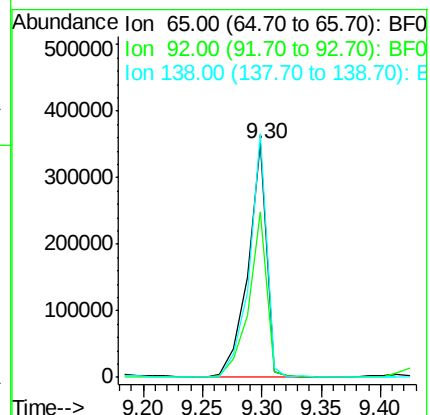
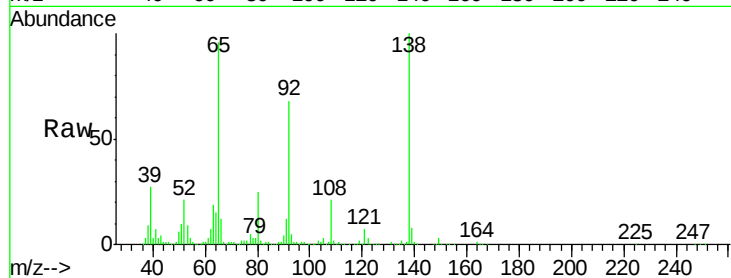
Tgt Ion: 65 Resp: 380601

Ion Ratio Lower Upper

65 100

92 70.5 53.4 80.2

138 104.0 71.1 106.7



#48

Acenaphthylene

Concen: 47.24 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

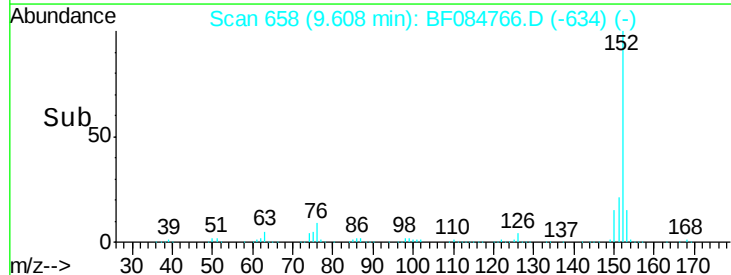
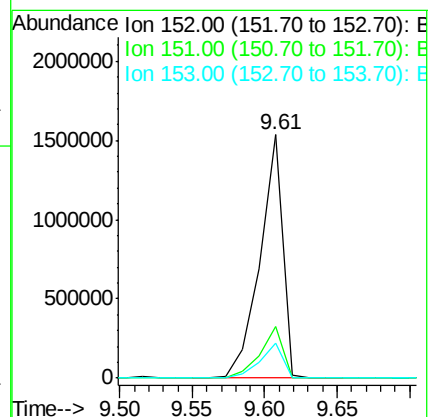
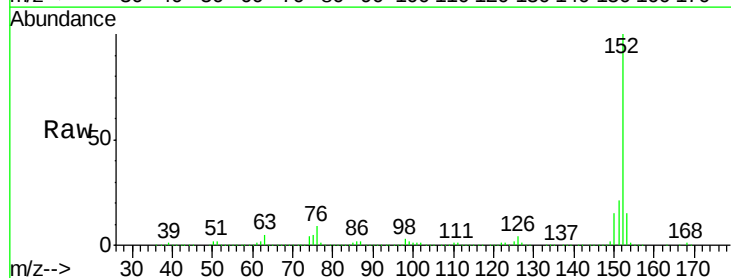
Tgt Ion: 152 Resp: 1675020

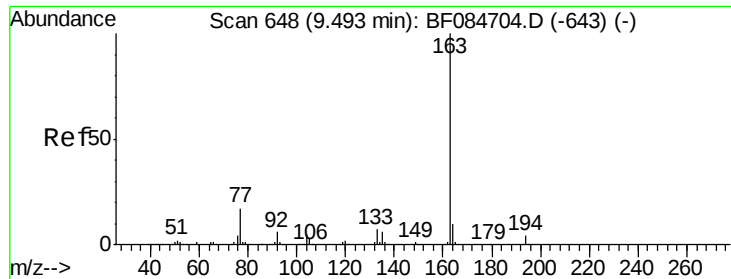
Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

153 14.6 10.4 15.6

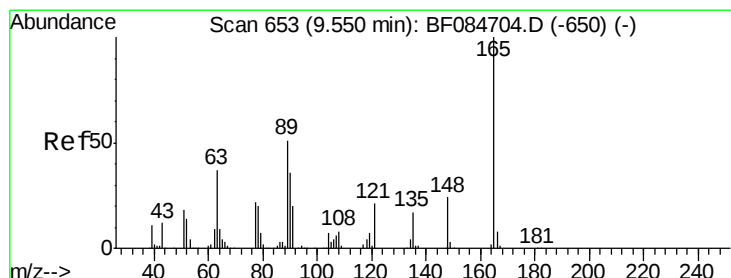
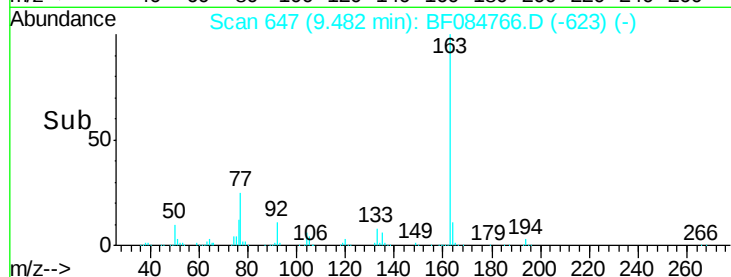
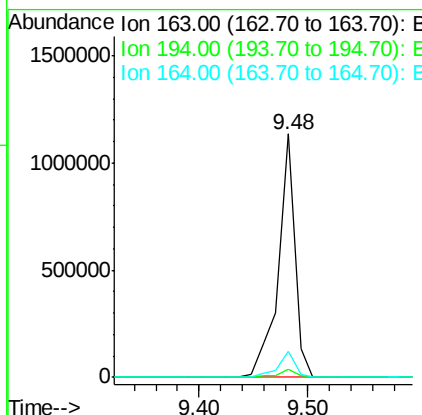
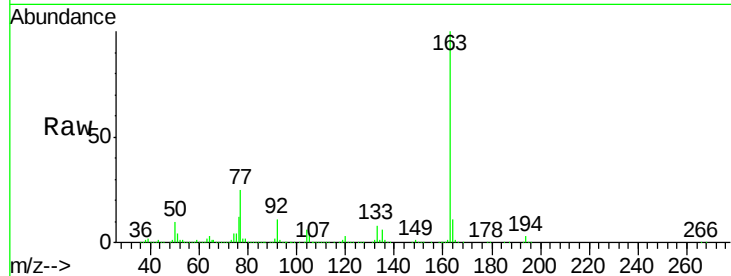




#49
Dimethylphthalate
Concen: 44.28 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

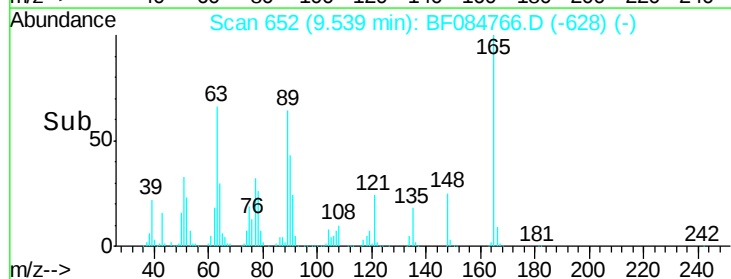
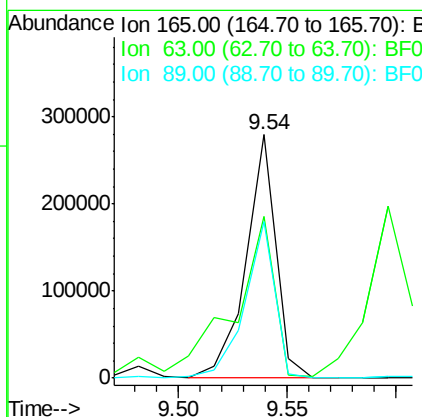
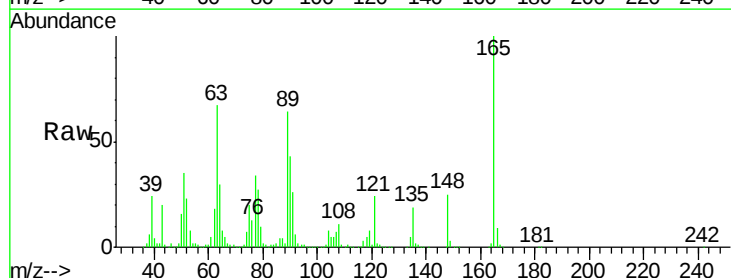
Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)MS

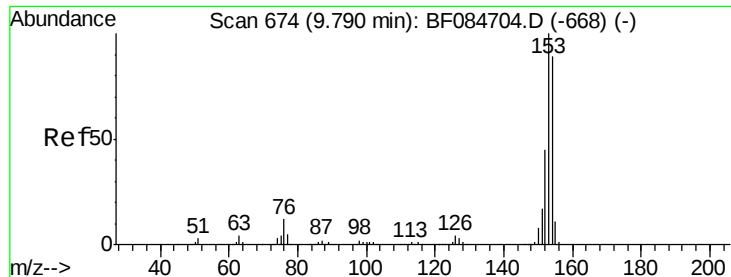
Tgt Ion:163 Resp: 1198190
Ion Ratio Lower Upper
163 100
194 3.2 8.0 12.0#
164 10.7 8.0 12.0



#50
2,6-Dinitrotoluene
Concen: 45.17 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Tgt Ion:165 Resp: 266967
Ion Ratio Lower Upper
165 100
63 66.6 28.8 43.2#
89 64.4 35.1 52.7#





#51

Acenaphthene

Concen: 48.48 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

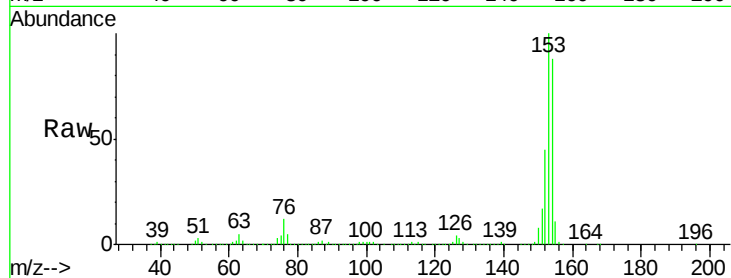
Tgt Ion:154 Resp: 1118463

Ion Ratio Lower Upper

154 100

153 114.0 91.5 137.3

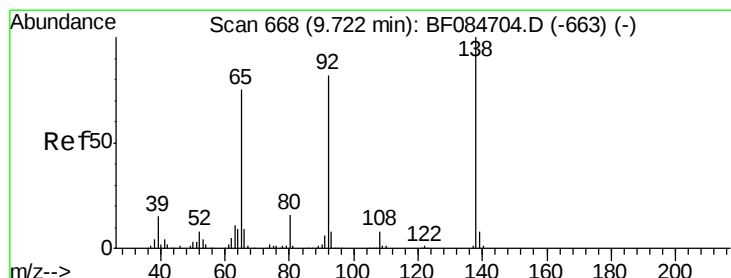
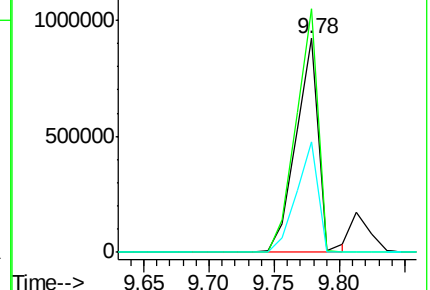
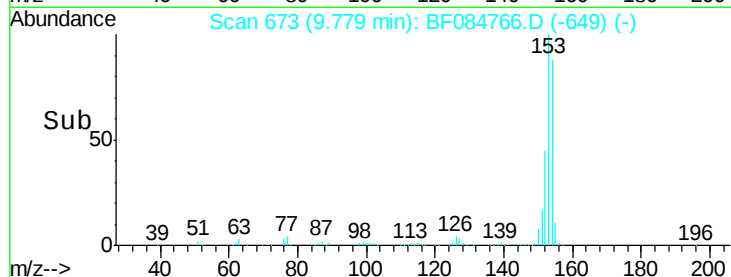
152 51.7 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 22.33 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

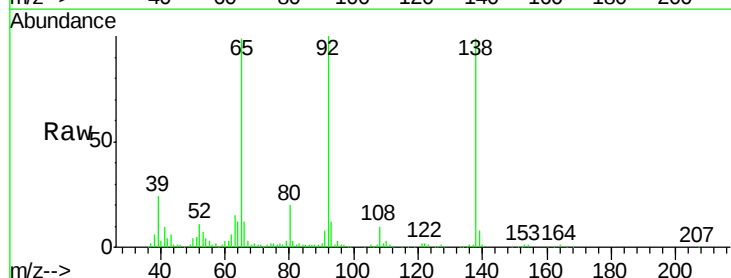
Tgt Ion:138 Resp: 148308

Ion Ratio Lower Upper

138 100

108 10.2 10.5 15.7#

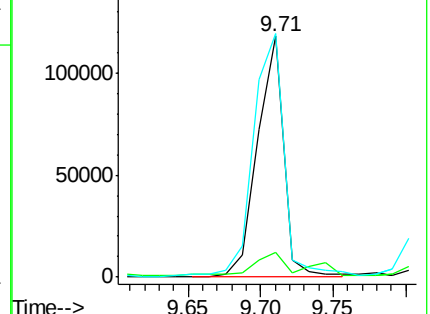
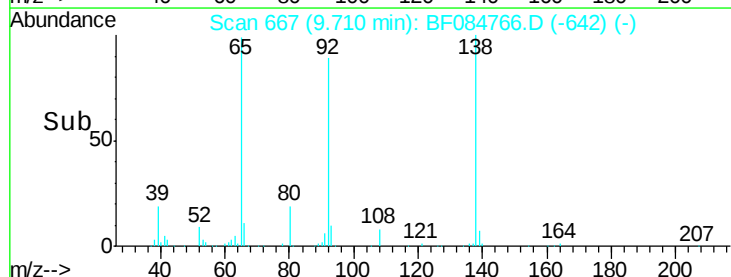
92 101.2 103.9 155.9#

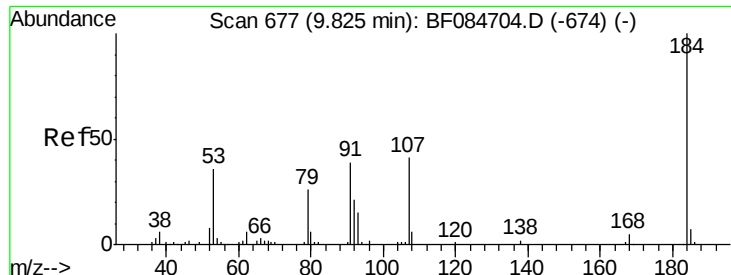


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

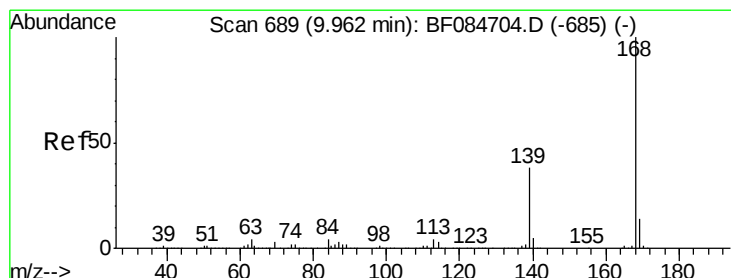
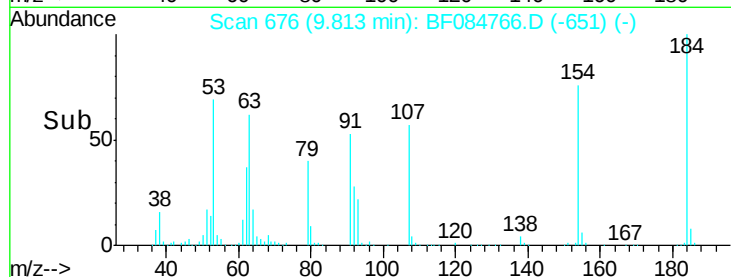
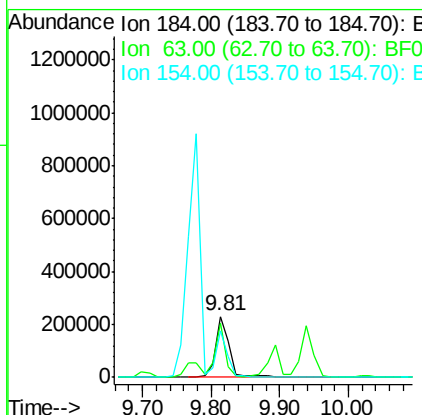
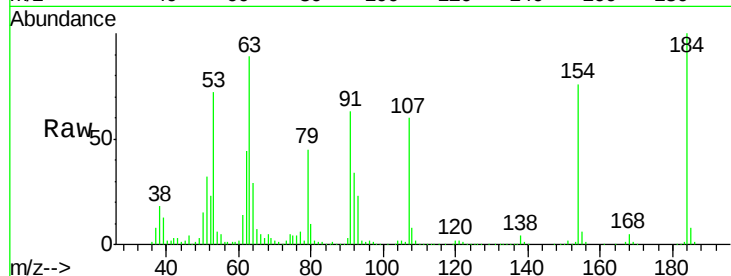




#53
2,4-Dinitrophenol
Concen: 113.51 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

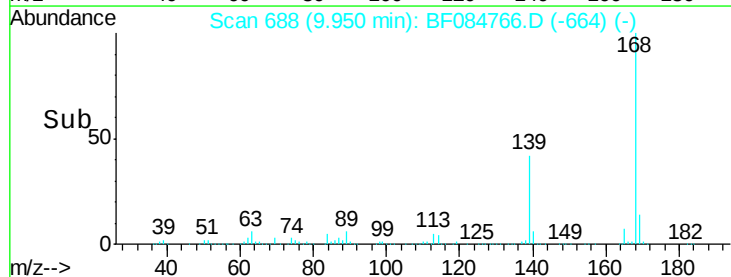
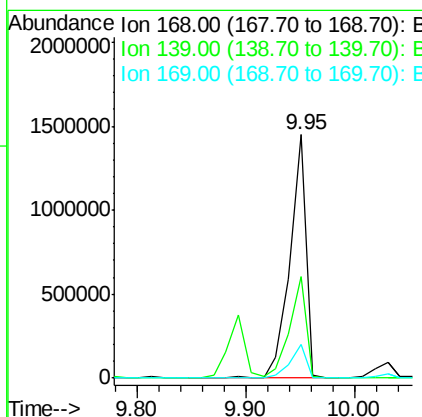
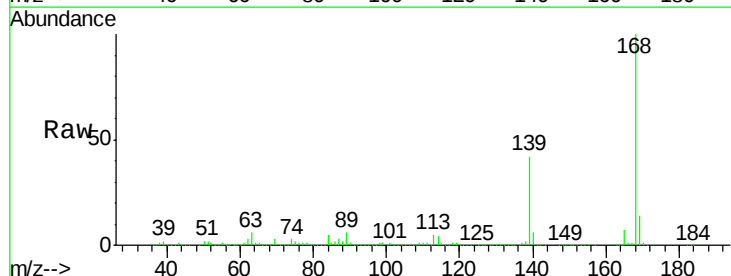
Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)MS

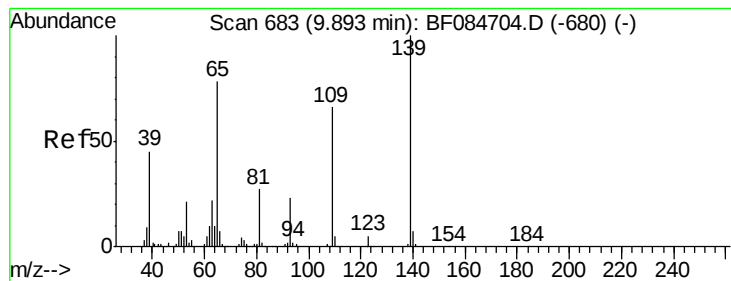
Tgt Ion:184 Resp: 316824
Ion Ratio Lower Upper
184 100
63 89.5 43.1 64.7#
154 75.8 60.5 90.7



#54
Dibenzofuran
Concen: 53.66 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF084766.D
Acq: 3 Feb 2016 2:04

Tgt Ion:168 Resp: 1513010
Ion Ratio Lower Upper
168 100
139 41.8 30.5 45.7
169 13.7 10.4 15.6





#55

4-Nitrophenol

Concen: 83.58 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

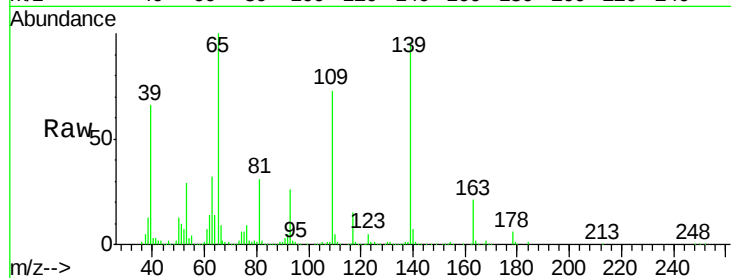
Tgt Ion:139 Resp: 407974

Ion Ratio Lower Upper

139 100

109 76.3 58.5 98.5

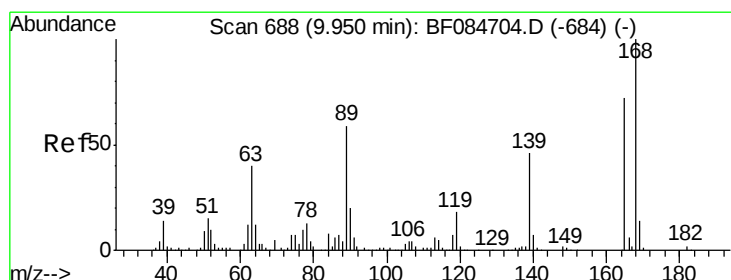
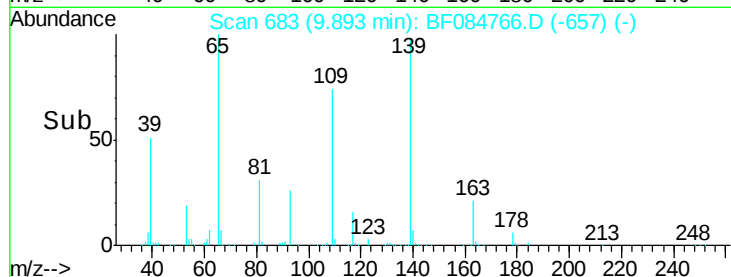
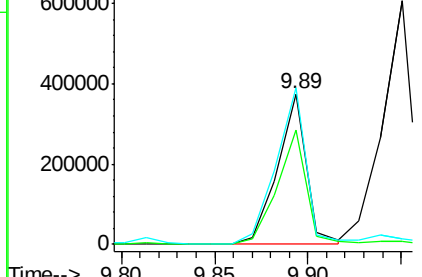
65 104.1 57.6 97.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 43.31 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Tgt Ion:165 Resp: 326511

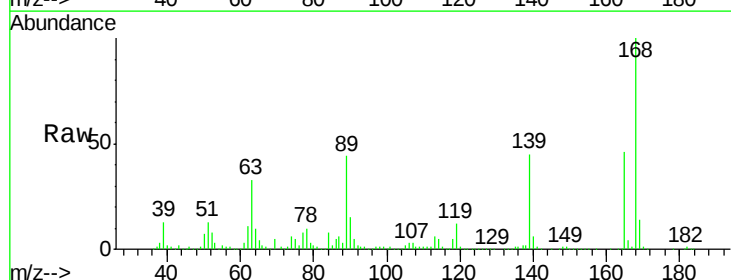
Ion Ratio Lower Upper

165 100

63 70.7 36.7 55.1#

89 95.0 61.9 92.9#

182 2.3 2.0 3.0

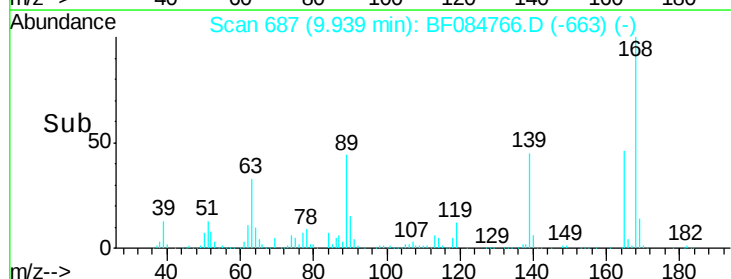
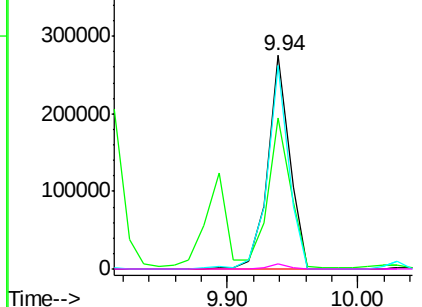


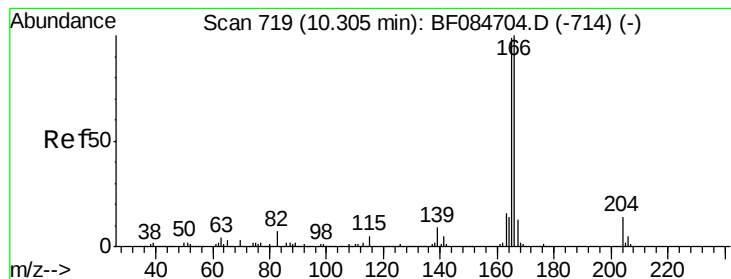
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 50.84 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)MS

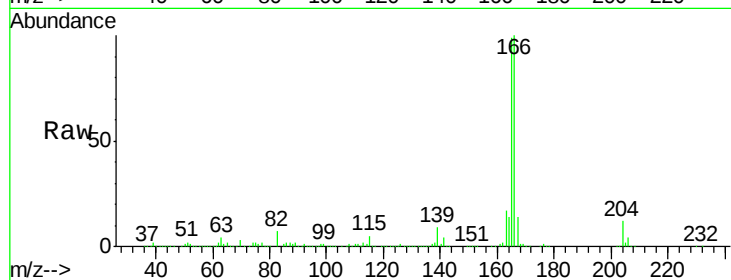
Tgt Ion:166 Resp: 1197069

Ion Ratio Lower Upper

166 100

165 99.1 79.1 118.7

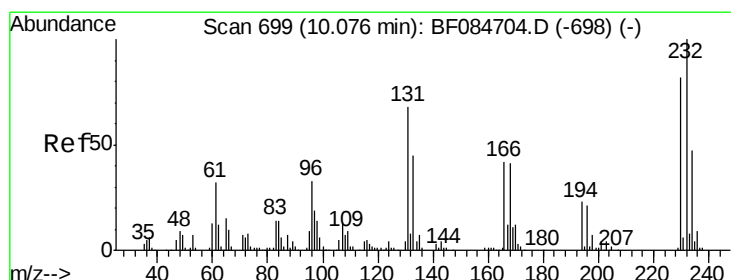
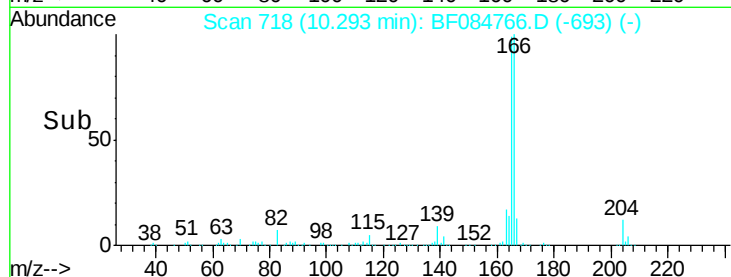
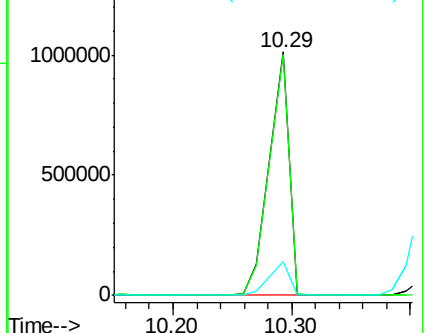
167 13.6 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.99 ng

RT: 10.08 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF084766.D

Acq: 3 Feb 2016 2:04

Tgt Ion:232 Resp: 309185

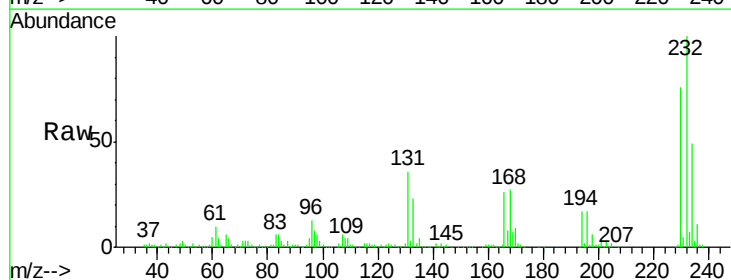
Ion Ratio Lower Upper

232 100

131 46.5 47.0 70.6#

130 2.4 2.0 3.0

166 32.3 30.5 45.7



Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

