

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113015\
 Data File : BF083341.D
 Acq On : 30 Nov 2015 18:36
 Operator : UM/IZ
 Sample : SSTDICC025
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Quant Time: Dec 01 00:40:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 00:25:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	154804	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	595509	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	306093	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	584890	20.00	ng	0.00
75) Chrysene-d12	14.75	240	548760	20.00	ng	-0.01
86) Perylene-d12	16.82	264	403293	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	533242	50.32	ng	0.00
7) Phenol-d6	6.21	99	709059	50.75	ng	-0.01
23) Nitrobenzene-d5	7.13	82	710557	52.71	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	158762	55.61	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1213750	56.64	ng	0.00
78) Terphenyl-d14	13.22	244	1172483	43.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.94	88	133984	90.05	ng	97
3) Pyridine	2.57	79	369049	27.55	ng	98
4) n-Nitrosodimethylamine	2.51	42	170889	24.89	ng	99
6) Aniline	6.21	93	493530	25.90	ng	99
8) 2-Chlorophenol	6.34	128	295010	25.80	ng	95
9) Benzaldehyde	6.09	77	206247	28.24	ng	100
10) Phenol	6.22	94	430649	25.60	ng	81
11) bis(2-Chloroethyl)ether	6.29	93	322270	25.89	ng	93
12) 1,3-Dichlorobenzene	6.49	146	327044	26.06	ng	98
13) 1,4-Dichlorobenzene	6.57	146	341234	26.05	ng	98
14) 1,2-Dichlorobenzene	6.57	146	341234	28.29	ng	97
15) Benzyl Alcohol	6.72	79	277007	25.72	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.84	45	553456	25.54	ng	# 52
17) 2-Methylphenol	6.84	107	245984	26.33	ng	98
18) Hexachloroethane	7.06	117	118712	25.50	ng	98
19) n-Nitroso-di-n-propylamine	6.98	70	264955	26.63	ng	90
20) 3+4-Methylphenols	7.00	107	336229	26.56	ng	97
22) Acetophenone	6.97	105	448013	25.27	ng	# 91
24) Nitrobenzene	7.14	77	372091	25.48	ng	# 88
25) Isophorone	7.38	82	657401	25.18	ng	95
26) 2-Nitrophenol	7.46	139	154811	25.81	ng	96
27) 2,4-Dimethylphenol	7.52	122	251702	25.24	ng	94
28) bis(2-Chloroethoxy)methane	7.61	93	412311	28.07	ng	98
29) 2,4-Dichlorophenol	7.71	162	260188	27.31	ng	96
30) 1,2,4-Trichlorobenzene	7.78	180	260894	25.22	ng	# 95
31) Naphthalene	7.86	128	866321	26.51	ng	99
32) Benzoic acid	7.65	122	177706	33.65	ng	99
33) 4-Chloroaniline	7.93	127	351200	25.84	ng	97
34) Hexachlorobutadiene	7.98	225	155462	26.21	ng	98
35) Caprolactam	8.29	113	82216	29.97	ng	# 74
36) 4-Chloro-3-methylphenol	8.42	107	280792	26.76	ng	# 83
37) 2-Methylnaphthalene	8.54	142	540200	25.62	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	252101	25.37	ng	99
40) Hexachlorocyclopentadiene	8.70	237	116048	26.79	ng	96

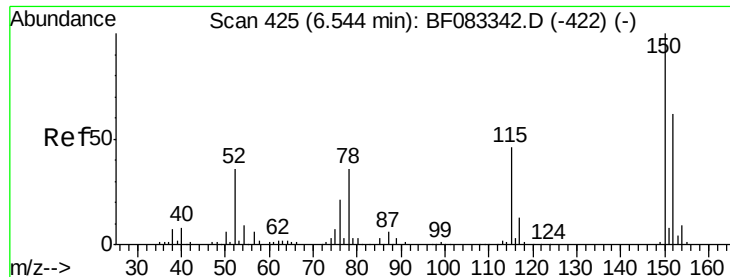
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113015\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	188084	27.38	ng	98
43) 2,4,5-Trichlorophenol	8.89	196	188731	26.80	ng	94
45) 1,1'-Biphenyl	9.01	154	658899	24.10	ng	95
46) 2-Chloronaphthalene	9.04	162	559934	27.12	ng	97
47) 2-Nitroaniline	9.14	65	203819	25.25	ng	# 68
48) Acenaphthylene	9.45	152	893161	27.81	ng	99
49) Dimethylphthalate	9.33	163	669629	29.16	ng	98
50) 2,6-Dinitrotoluene	9.39	165	142663	27.32	ng	# 81
51) Acenaphthene	9.62	154	515248	27.57	ng	99
52) 3-Nitroaniline	9.56	138	162015	26.48	ng	79
53) 2,4-Dinitrophenol	9.66	184	72039	39.06	ng	# 79
54) Dibenzofuran	9.79	168	727430	27.16	ng	96
55) 4-Nitrophenol	9.74	139	105885	33.76	ng	# 80
56) 2,4-Dinitrotoluene	9.79	165	190252	29.58	ng	# 82
57) Fluorene	10.13	166	619114	28.74	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.92	232	150445	27.40	ng	99
59) Diethylphthalate	10.03	149	633992	28.19	ng	97
60) 4-Chlorophenyl-phenylether	10.13	204	288291	28.58	ng	97
61) 4-Nitroaniline	10.17	138	162095	28.65	ng	92
62) Azobenzene	10.29	77	759936	26.88	ng	95
64) 4,6-Dinitro-2-methylphenol	10.20	198	102085	29.52	ng	# 70
65) n-Nitrosodiphenylamine	10.25	169	516948	24.21	ng	98
66) 4-Bromophenyl-phenylether	10.64	248	167123	25.55	ng	95
67) Hexachlorobenzene	10.69	284	183153	24.76	ng	# 70
68) Atrazine	10.82	200	154392	26.98	ng	98
69) Pentachlorophenol	10.92	266	102690	31.01	ng	99
70) Phenanthrene	11.15	178	898356	26.12	ng	99
71) Anthracene	11.22	178	946595	26.69	ng	99
72) Carbazole	11.41	167	854786	28.56	ng	98
73) Di-n-butylphthalate	11.86	149	1033748	29.11	ng	100
74) Fluoranthene	12.66	202	938589	28.93	ng	97
76) Benzidine	12.87	184	471895	24.73	ng	100
77) Pyrene	12.97	202	975645	21.89	ng	99
79) Butylbenzylphthalate	13.96	149	423213	24.97	ng	96
80) Benzo(a)anthracene	14.74	228	872105	25.10	ng	99
81) 3,3'-Dichlorobenzidine	14.73	252	288481	26.58	ng	98
82) Chrysene	14.80	228	850571	25.60	ng	99
83) Bis(2-ethylhexyl)phthalate	14.88	149	593343	27.75	ng	99
84) Di-n-octyl phthalate	15.85	149	904127	26.37	ng	# 100
85) Indeno(1,2,3-cd)pyrene	18.19	276	578472	16.21	ng	# 100
87) Benzo(b)fluoranthene	16.31	252	737627	26.35	ng	97
88) Benzo(k)fluoranthene	16.31	252	737627	35.05	ng	99
89) Benzo(a)pyrene	16.74	252	595898	27.07	ng	# 97
90) Dibenzo(a,h)anthracene	18.23	278	482815	20.26	ng	98
91) Benzo(g,h,i)perylene	18.57	276	460965	19.21	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.00 min

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BNA_F

ClientSampleId :

SSTDIC025

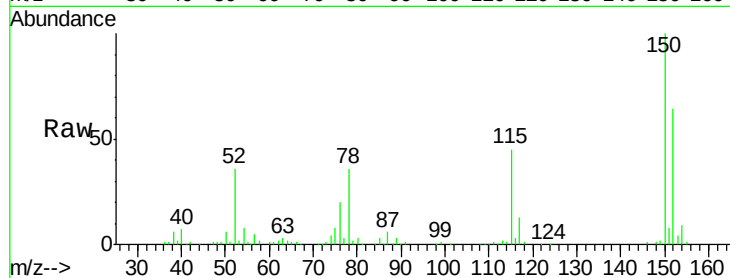
Tgt Ion:152 Resp: 154804

Ion Ratio Lower Upper

152 100

150 156.7 129.8 194.8

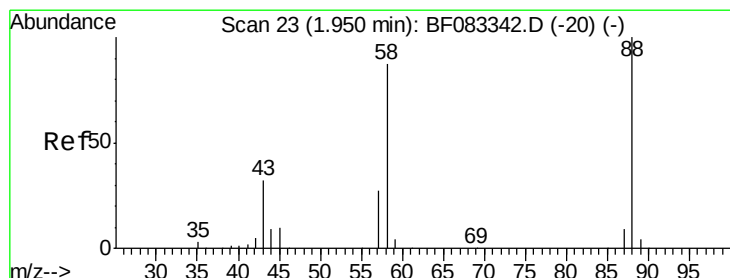
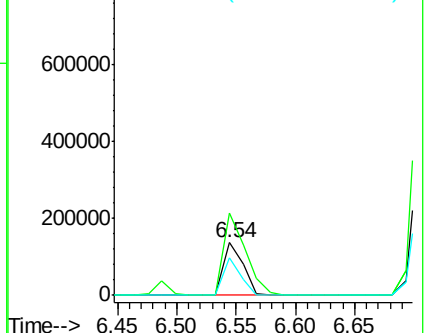
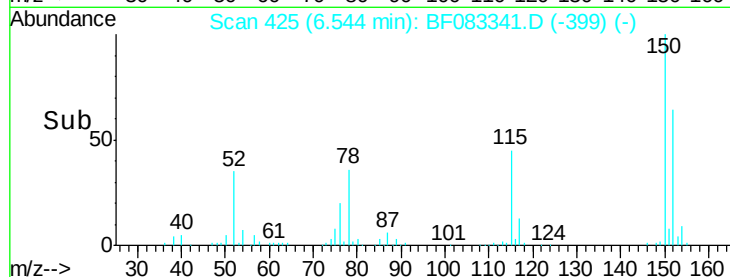
115 70.9 59.2 88.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 90.05 ng

RT: 1.94 min Scan# 22

Delta R.T. -0.01 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

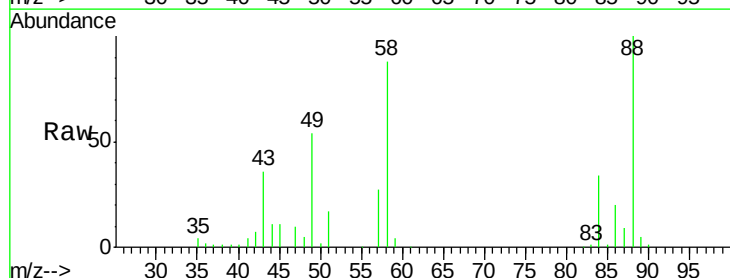
Tgt Ion: 88 Resp: 133984

Ion Ratio Lower Upper

88 100

58 84.2 65.0 97.6

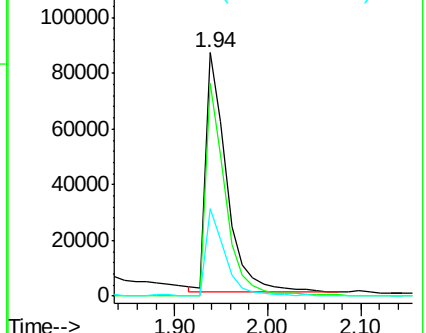
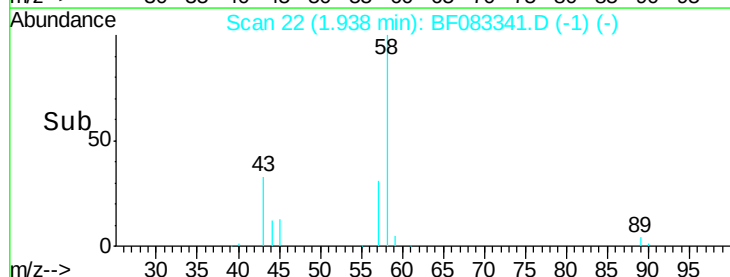
43 34.5 26.5 39.7

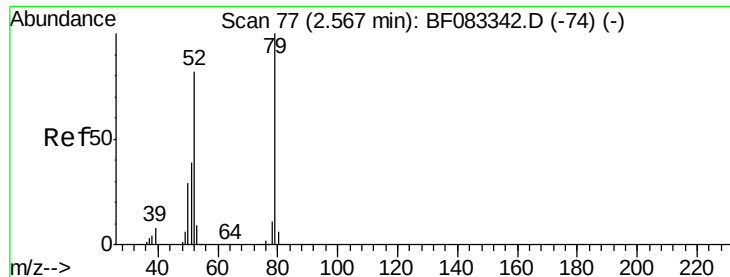


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 27.55 ng

RT: 2.57 min Scan# 77

Delta R.T. 0.00 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

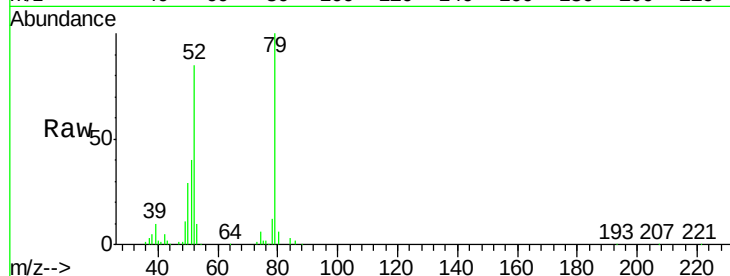
Tgt Ion: 79 Resp: 369049

Ion Ratio Lower Upper

79 100

52 84.9 65.9 98.9

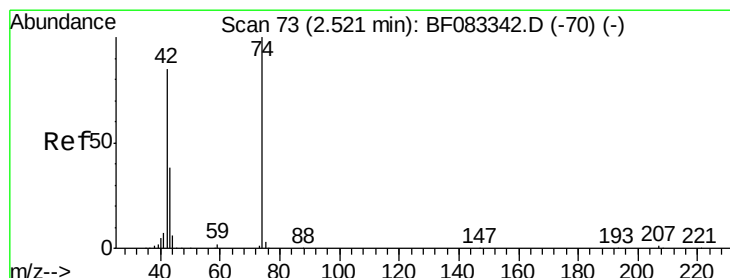
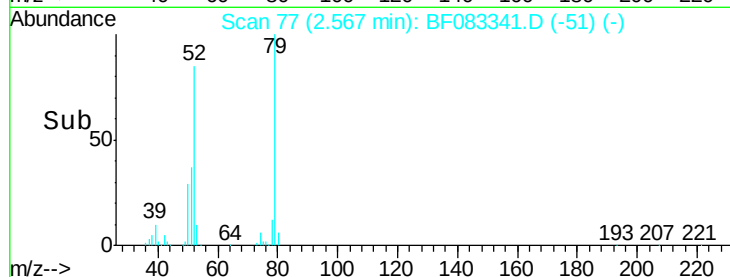
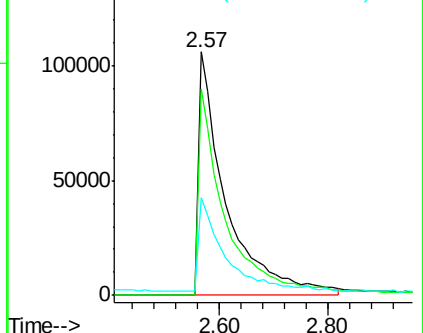
51 40.0 32.3 48.5



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: 24.89 ng

RT: 2.51 min Scan# 72

Delta R.T. -0.01 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

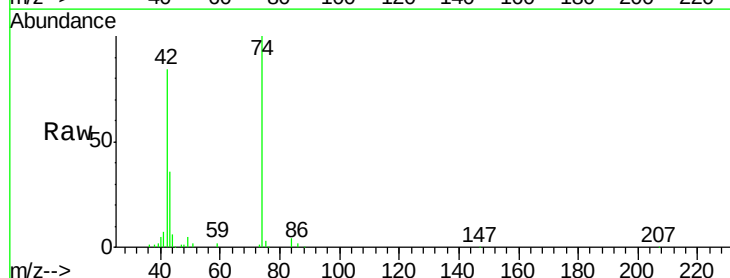
Tgt Ion: 42 Resp: 170889

Ion Ratio Lower Upper

42 100

74 118.7 93.7 140.5

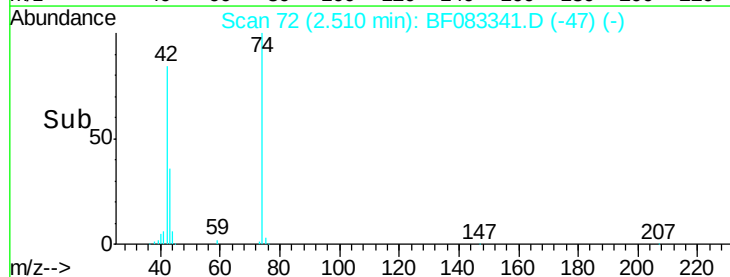
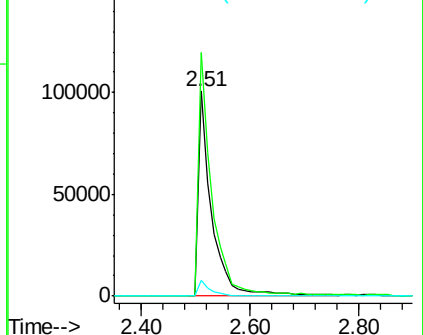
44 7.4 5.6 8.4

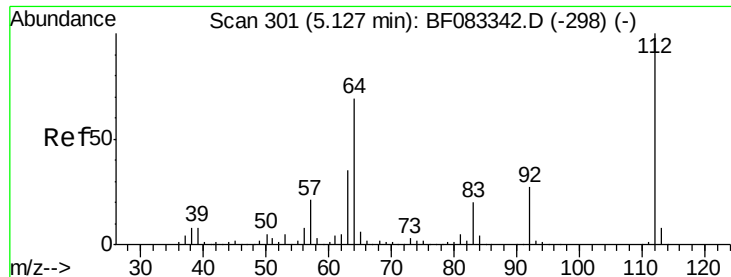


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 50.32 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

Instrument :

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ClientSampleId :

SSTDIC025

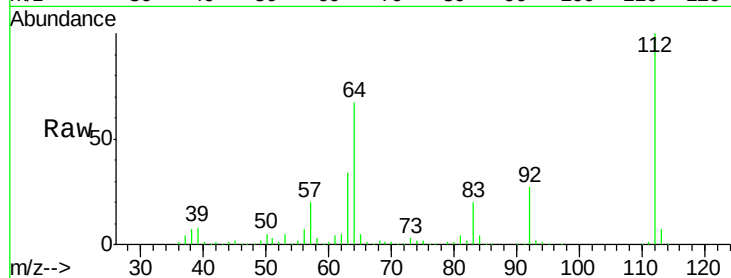
Tgt Ion: 112 Resp: 533242

Ion Ratio Lower Upper

112 100

64 66.9 55.6 83.4

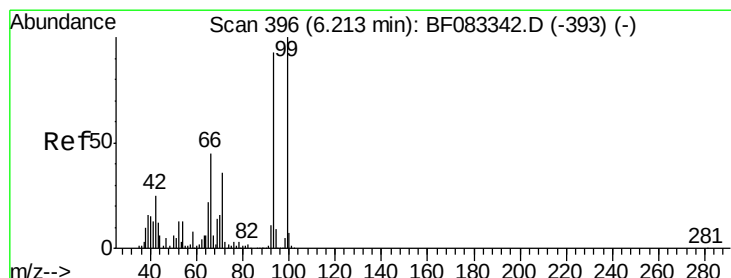
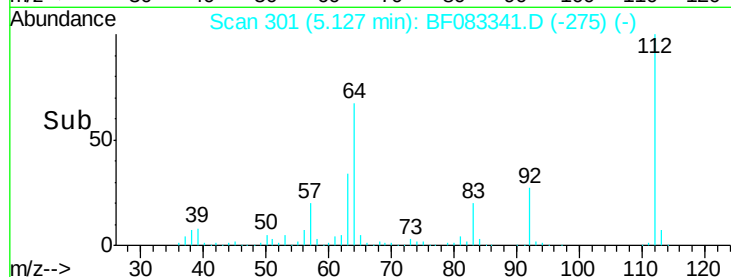
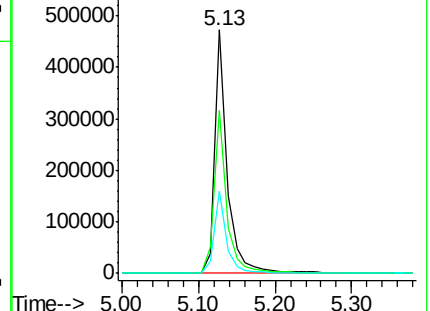
63 33.6 28.2 42.2



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: 25.90 ng

RT: 6.21 min Scan# 396

Delta R.T. 0.00 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

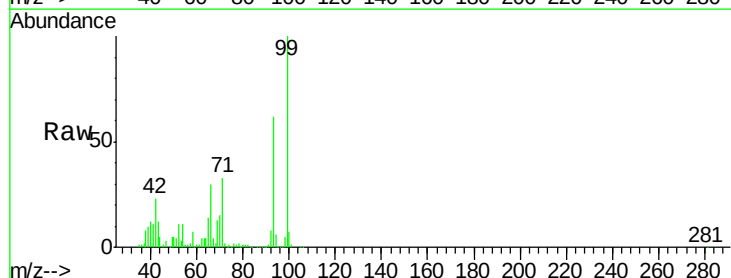
Tgt Ion: 93 Resp: 493530

Ion Ratio Lower Upper

93 100

66 49.0 38.7 58.1

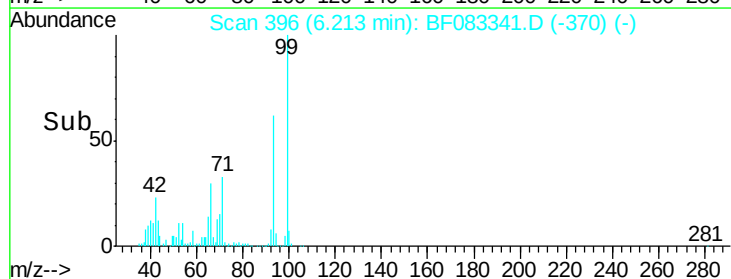
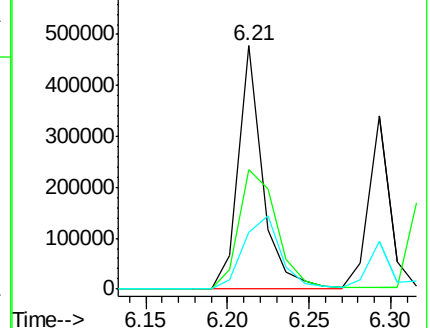
65 23.1 19.0 28.6

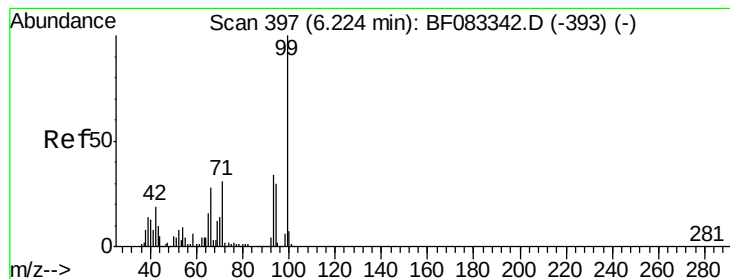


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 50.75 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

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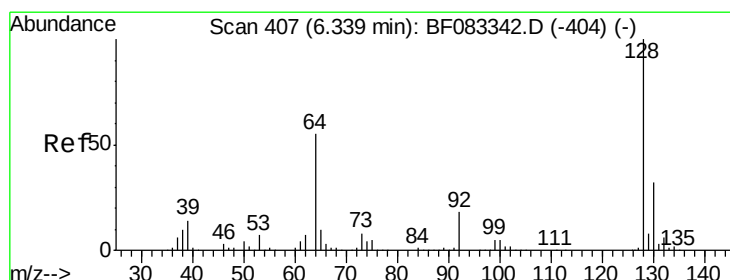
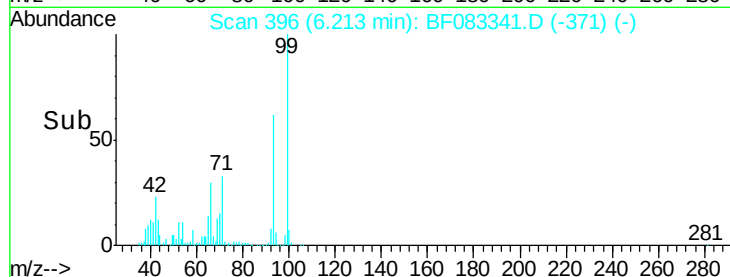
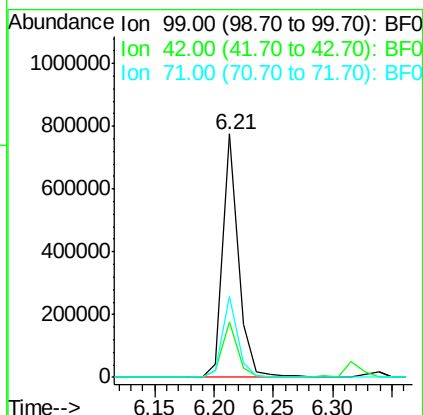
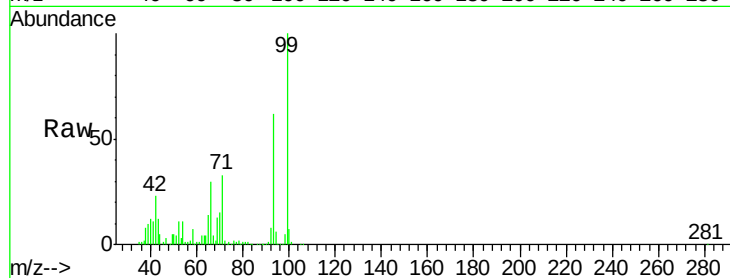
Tgt Ion: 99 Resp: 709059

Ion Ratio Lower Upper

99 100

42 22.9 14.9 22.3#

71 33.3 24.7 37.1



#8

2-Chlorophenol

Concen: 25.80 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

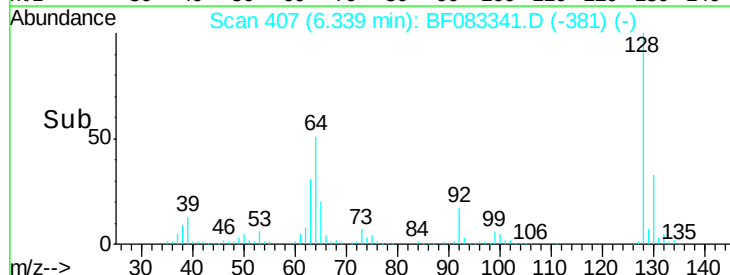
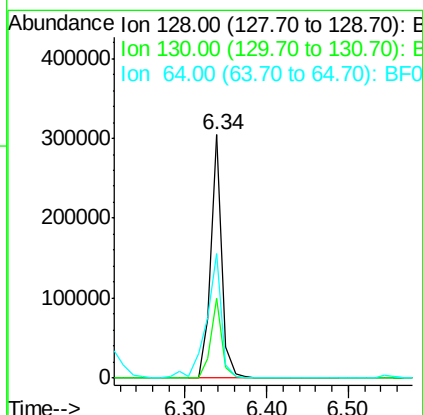
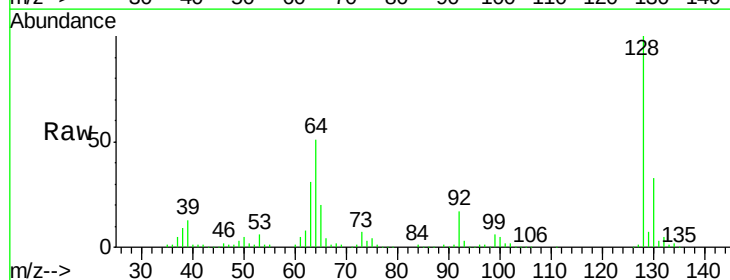
Tgt Ion: 128 Resp: 295010

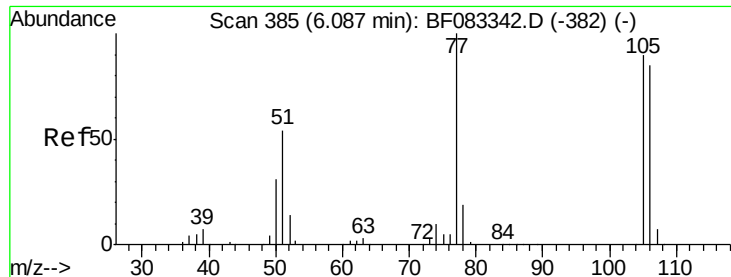
Ion Ratio Lower Upper

128 100

130 32.5 12.3 52.3

64 51.2 36.4 76.4





#9

Benzaldehyde

Concen: 28.24 ng

RT: 6.09 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF083341.D

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Instrument :

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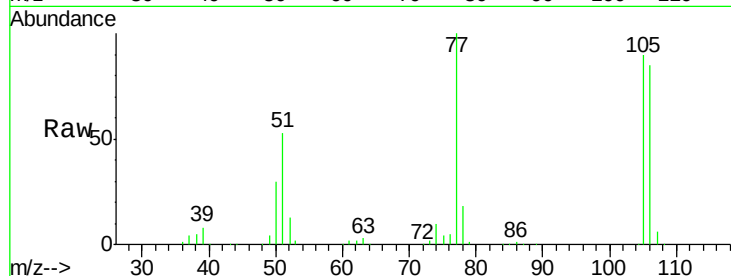
Tgt Ion: 77 Resp: 206247

Ion Ratio Lower Upper

77 100

105 90.0 70.0 110.0

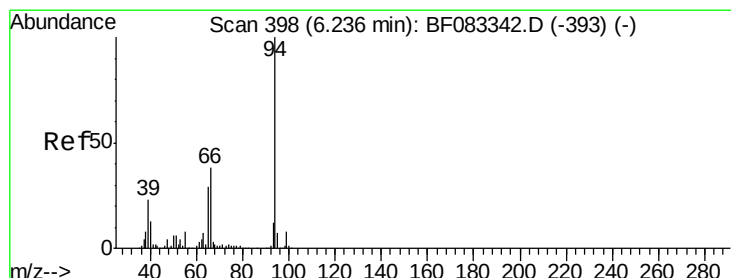
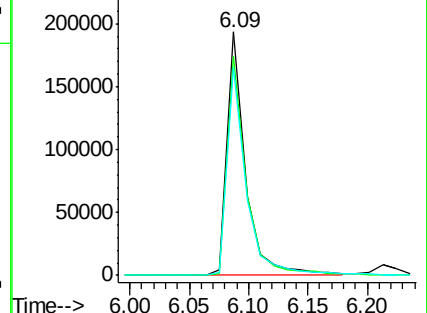
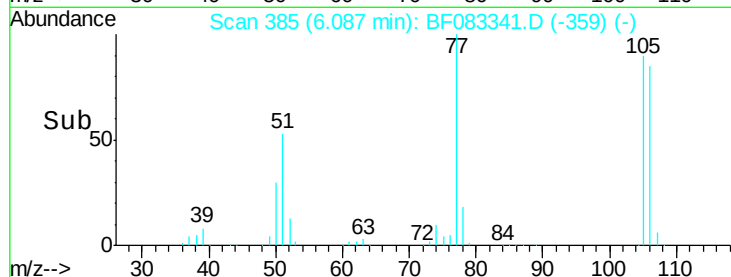
106 85.3 65.0 105.0



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: 25.60 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

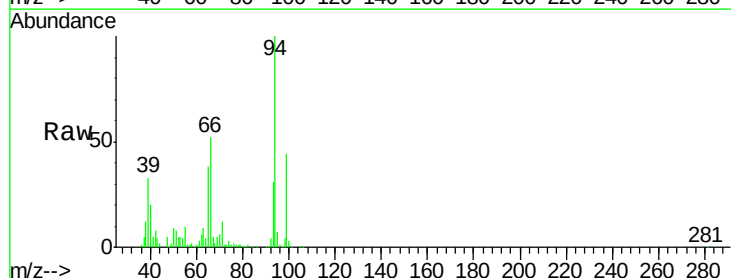
Tgt Ion: 94 Resp: 430649

Ion Ratio Lower Upper

94 100

65 37.6 9.5 49.5

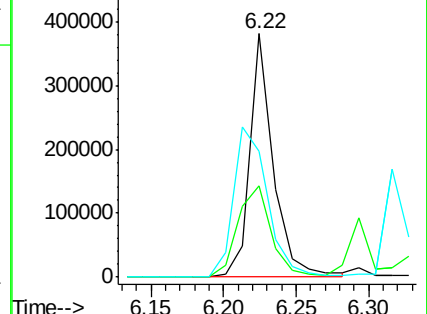
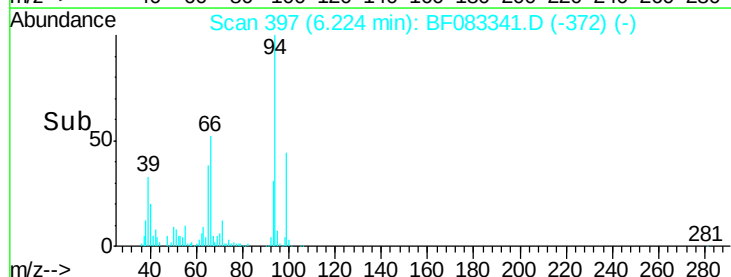
66 51.5 17.9 57.9

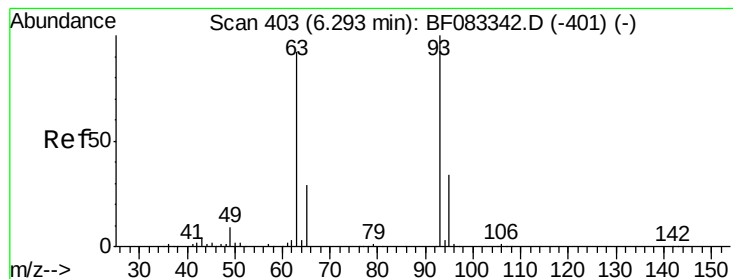


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 25.89 ng

RT: 6.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

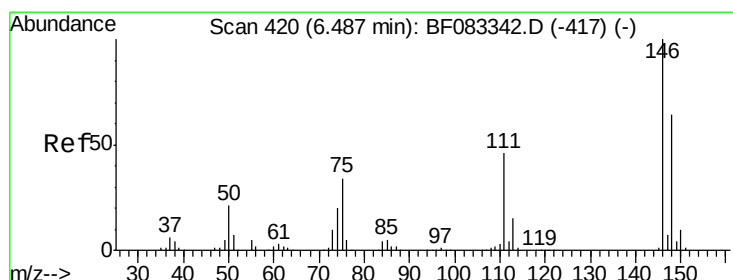
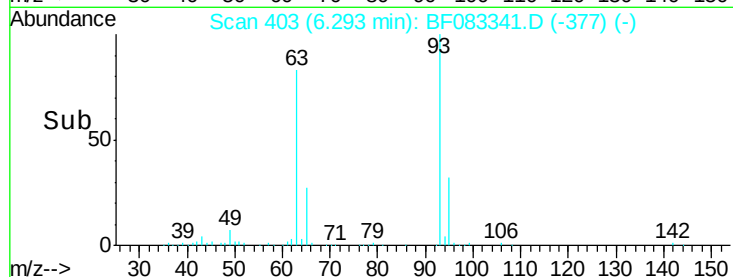
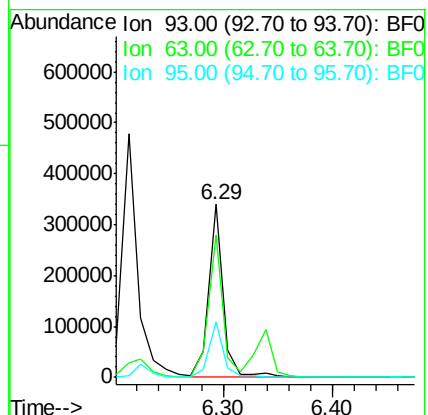
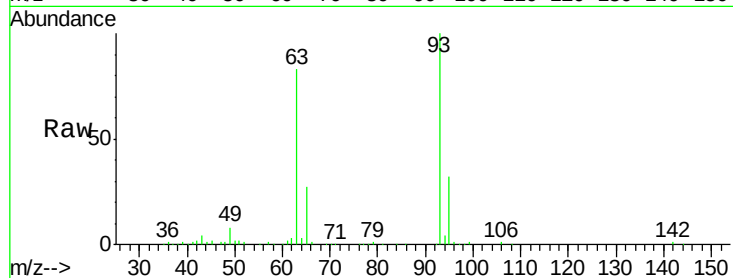
Tgt Ion: 93 Resp: 322270

Ion Ratio Lower Upper

93 100

63 82.7 71.4 111.4

95 31.8 13.4 53.4



#12

1,3-Dichlorobenzene

Concen: 26.06 ng

RT: 6.49 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

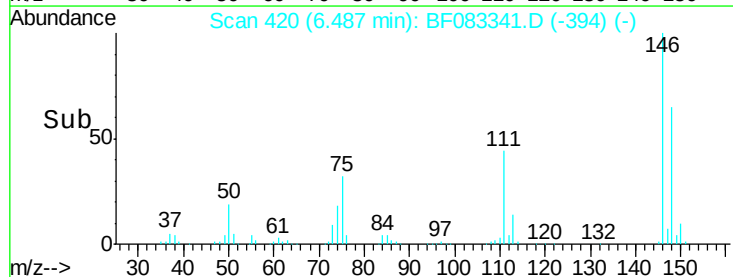
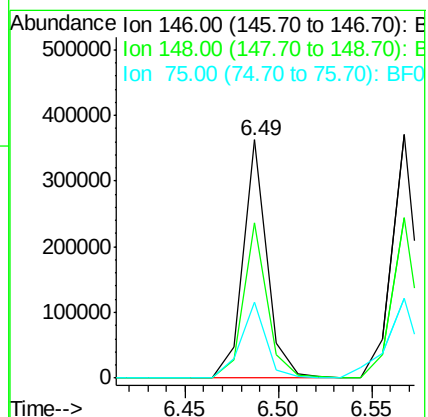
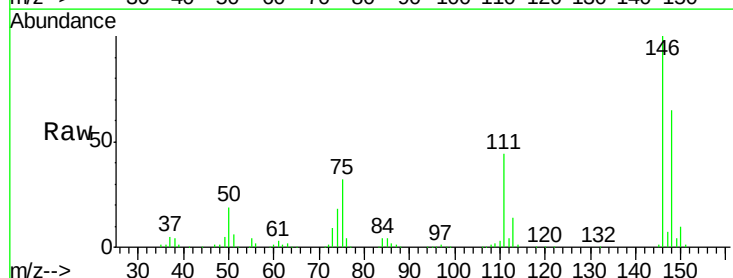
Tgt Ion: 146 Resp: 327044

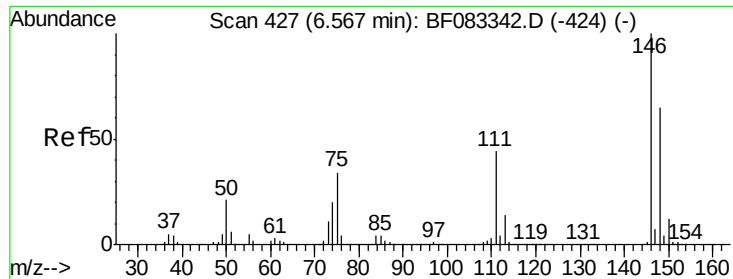
Ion Ratio Lower Upper

146 100

148 65.0 51.1 76.7

75 31.8 27.5 41.3

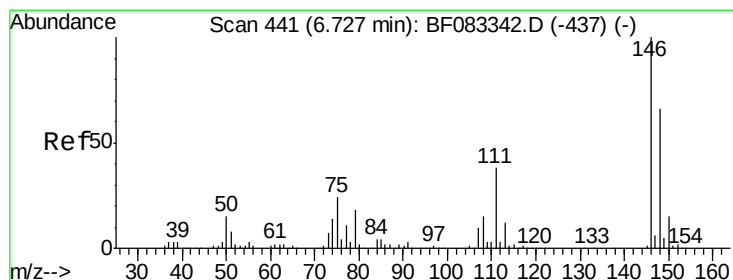
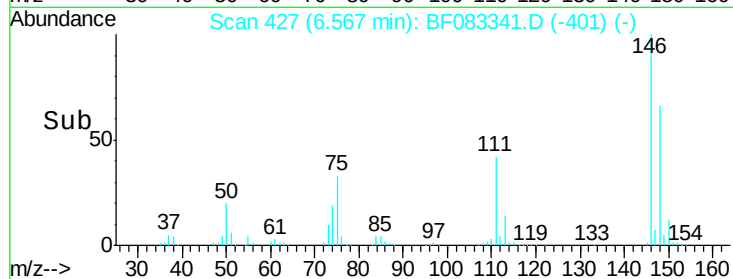
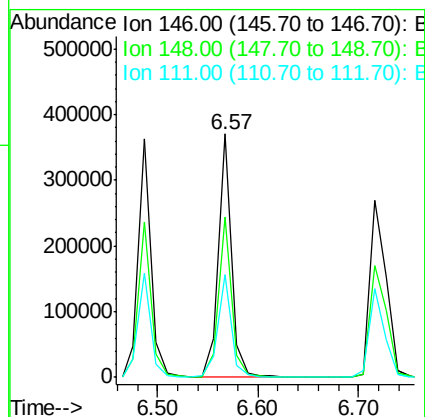
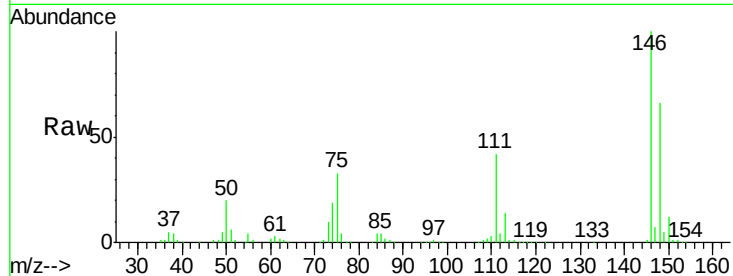




#13
 1,4-Dichlorobenzene
 Concen: 26.05 ng
 RT: 6.57 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF083341.D
 Acq: 30 Nov 2015 18:36

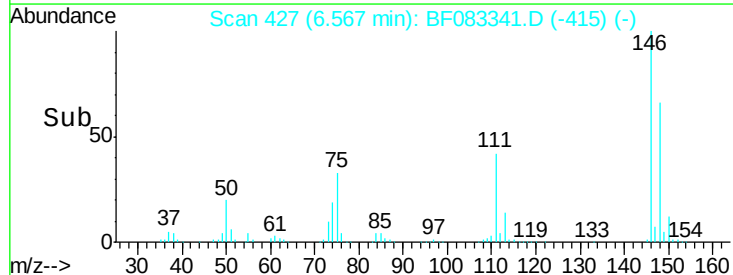
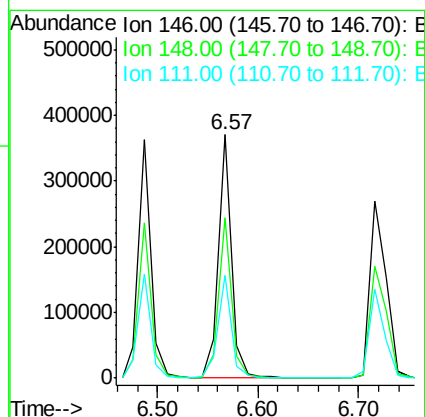
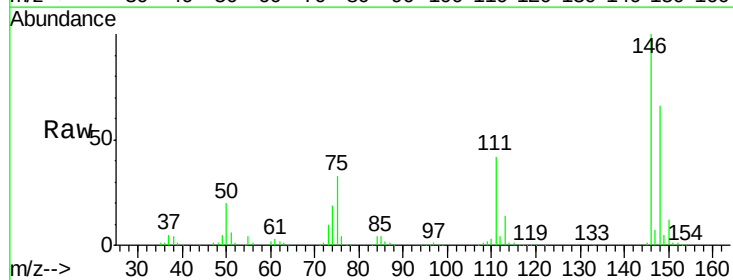
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

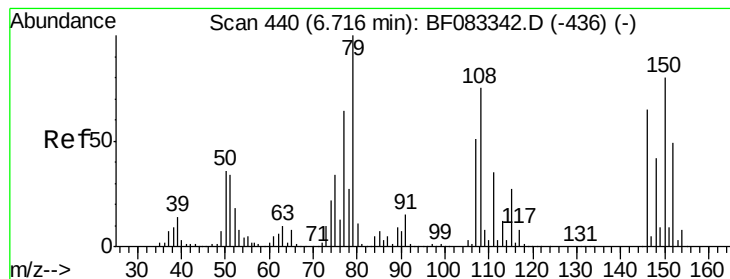
Tgt Ion:146 Resp: 341234
 Ion Ratio Lower Upper
 146 100
 148 65.7 52.1 78.1
 111 42.4 35.4 53.0



#14
 1,2-Dichlorobenzene
 Concen: 28.29 ng
 RT: 6.57 min Scan# 427
 Delta R.T. -0.16 min
 Lab File: BF083341.D
 Acq: 30 Nov 2015 18:36

Tgt Ion:146 Resp: 341234
 Ion Ratio Lower Upper
 146 100
 148 65.7 52.5 78.7
 111 42.4 30.6 46.0





#15

Benzyl Alcohol

Concen: 25.72 ng

RT: 6.72 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

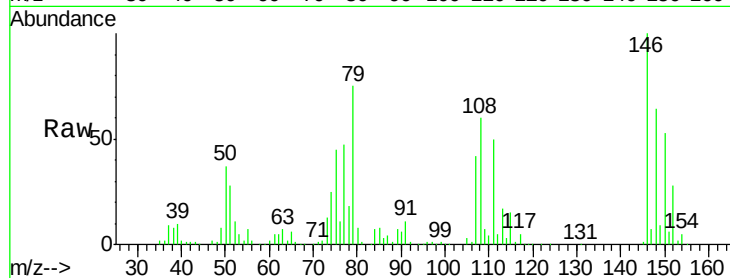
Tgt Ion: 79 Resp: 277007

Ion Ratio Lower Upper

79 100

108 80.6 59.9 89.9

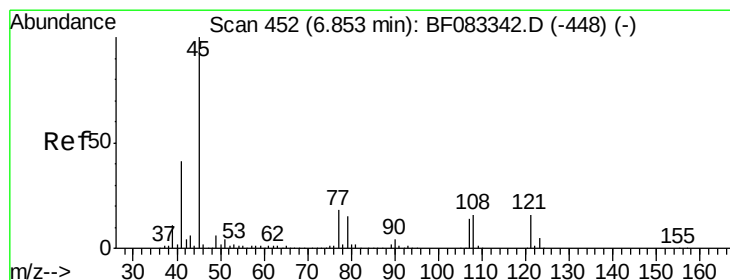
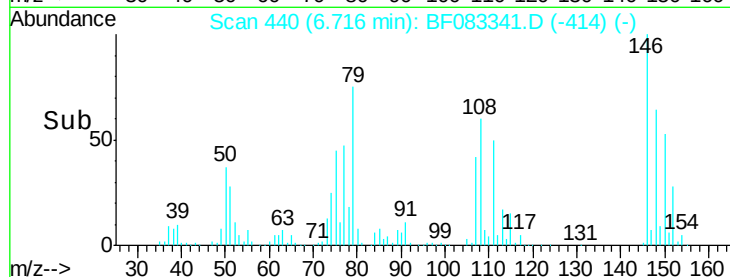
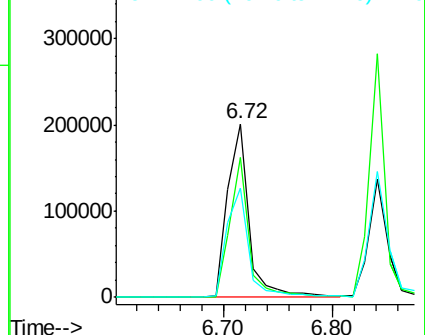
77 63.0 51.0 76.6



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: 25.54 ng

RT: 6.84 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF083341.D

Acq: 30 Nov 2015 18:36

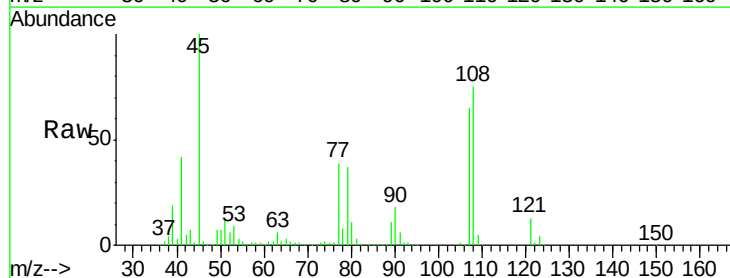
Tgt Ion: 45 Resp: 553456

Ion Ratio Lower Upper

45 100

77 39.0 0.0 38.3#

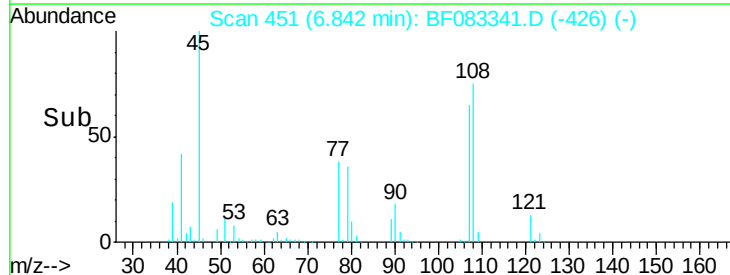
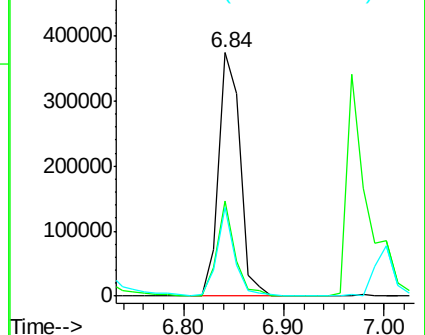
79 36.6 0.0 35.4#

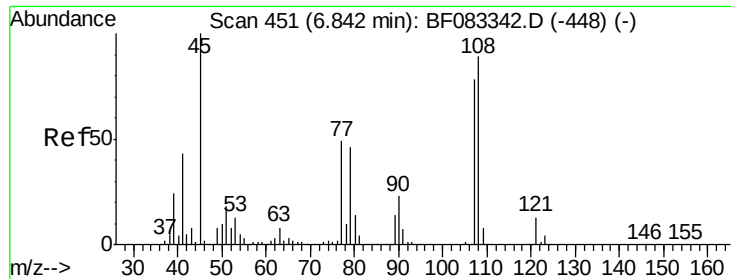


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

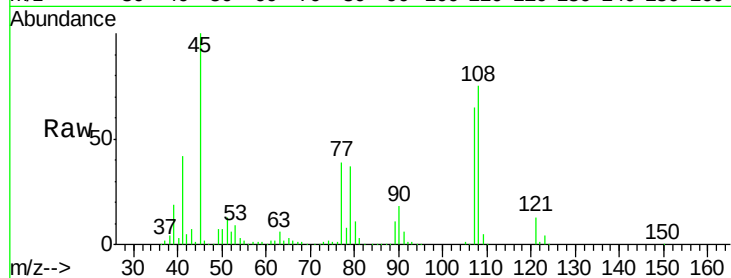




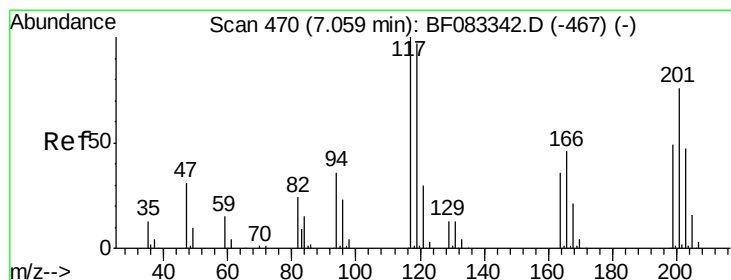
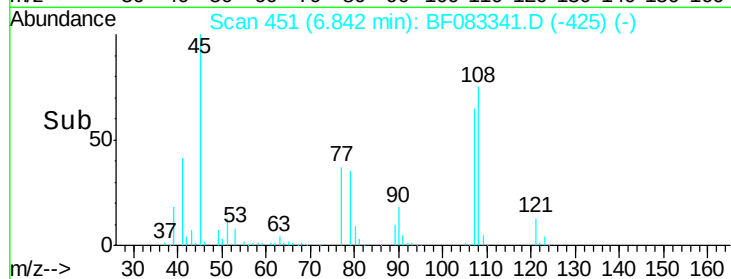
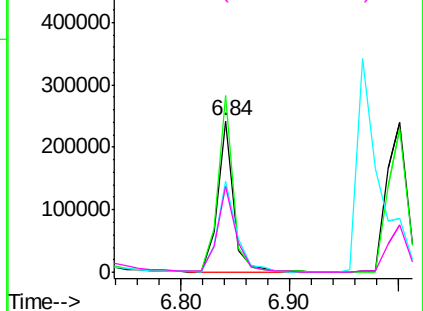
#17
2-Methylphenol
Concen: 26.33 ng
RT: 6.84 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF083341.D
Acq: 30 Nov 2015 18:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC025

Tgt Ion:107 Resp: 245984
Ion Ratio Lower Upper
107 100
108 116.4 91.6 137.4
77 60.2 49.9 74.9
79 56.5 47.3 70.9

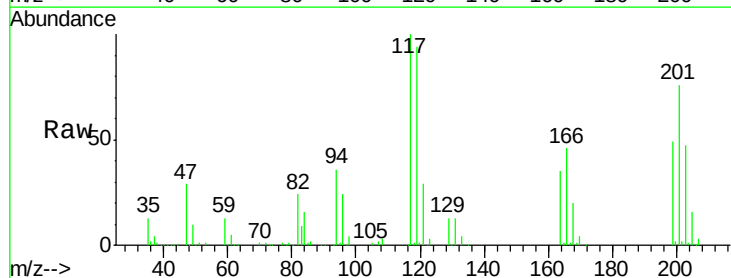


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

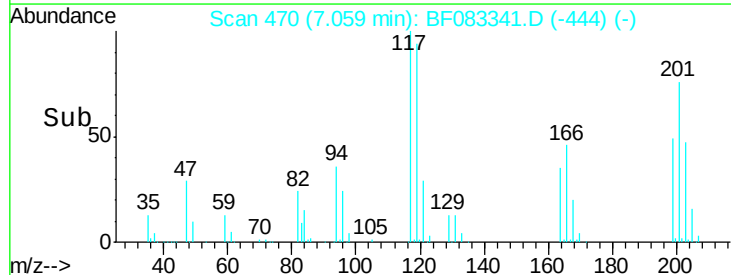
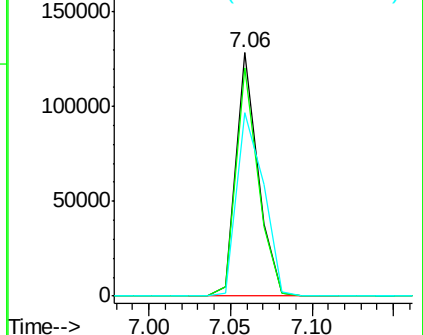


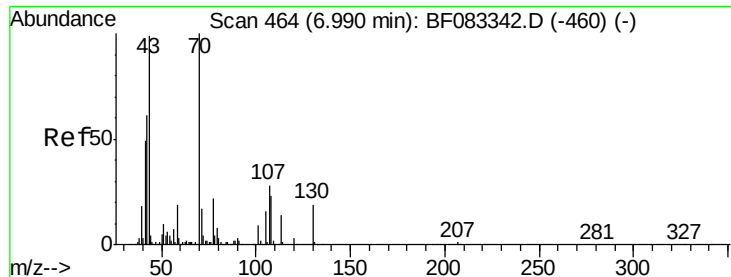
#18
Hexachloroethane
Concen: 25.50 ng
RT: 7.06 min Scan# 470
Delta R.T. 0.00 min
Lab File: BF083341.D
Acq: 30 Nov 2015 18:36

Tgt Ion:117 Resp: 118712
Ion Ratio Lower Upper
117 100
119 93.7 77.3 115.9
201 75.5 60.6 90.8



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

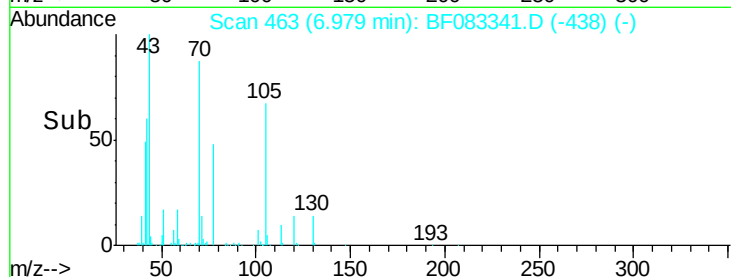
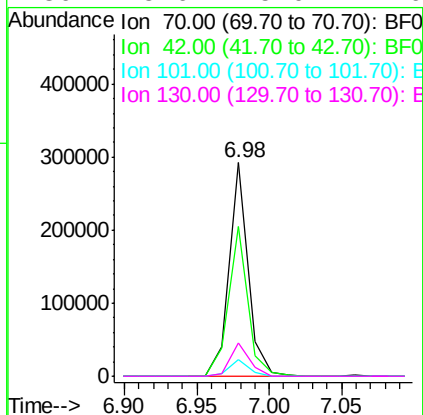
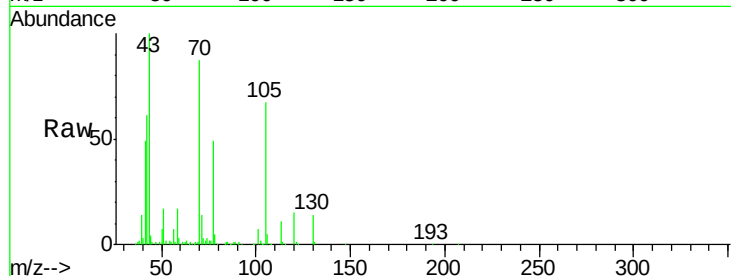




#19
n-Nitroso-di-n-propylamine
Concen: 26.63 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF083341.D
Acq: 30 Nov 2015 18:36

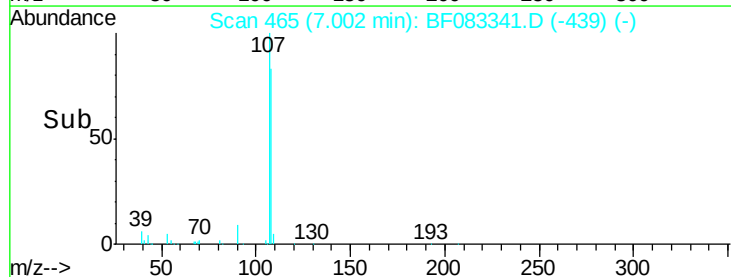
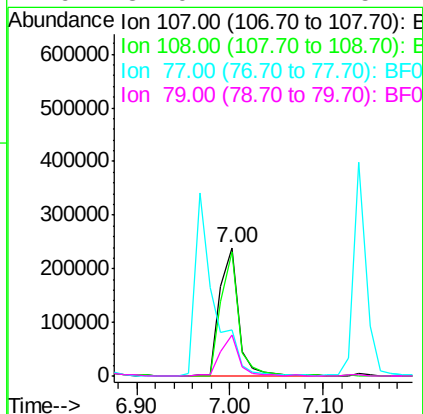
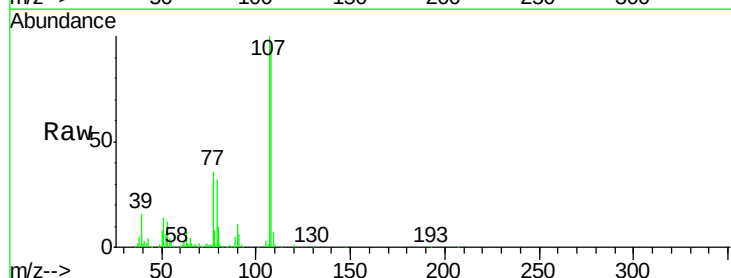
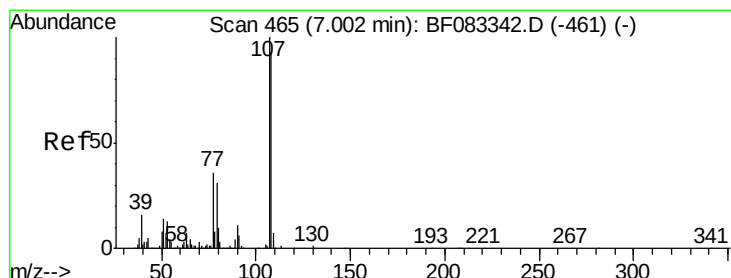
Instrument :
BNA_F
ClientSampleId :
SSTDICC025

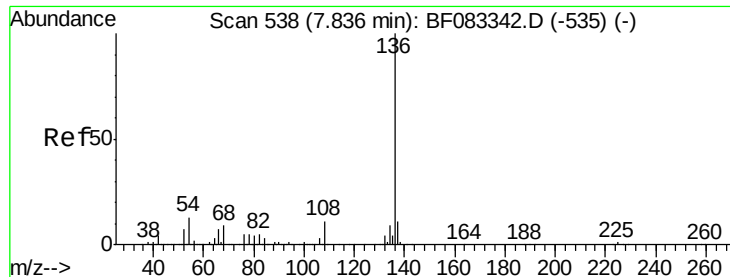
Tgt Ion:	70	Resp:	264955
Ion	Ratio	Lower	Upper
70	100		
42	70.3	48.8	73.2
101	8.1	7.1	10.7
130	15.6	15.0	22.6



#20
3+4-Methylphenols
Concen: 26.56 ng
RT: 7.00 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF083341.D
Acq: 30 Nov 2015 18:36

Tgt Ion:	107	Resp:	336229
Ion	Ratio	Lower	Upper
107	100		
108	96.5	73.0	113.0
77	35.7	16.8	56.8
79	32.0	11.4	51.4

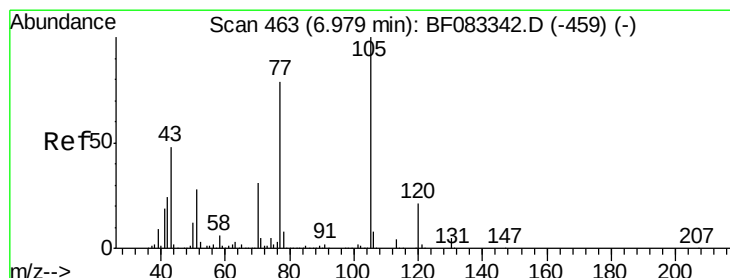
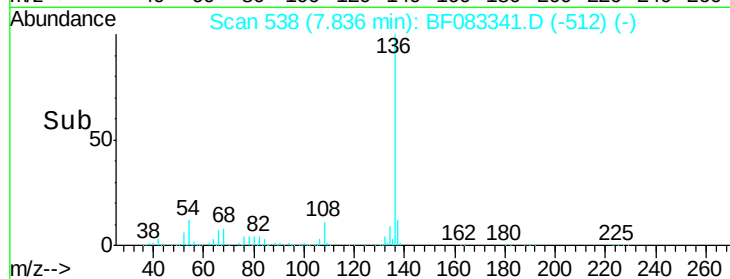
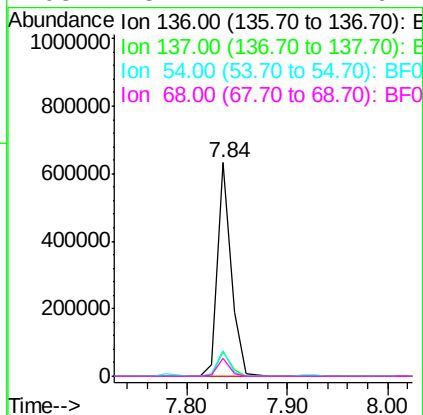
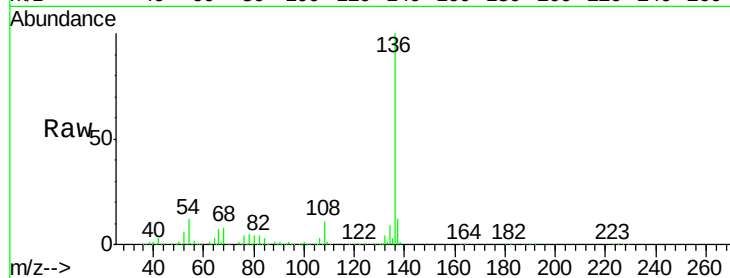




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF083341.D
Acq: 30 Nov 2015 18:36

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tgt Ion:	136	Resp:	595509
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.4
54	12.0	10.1	15.1
68	8.2	7.1	10.7



#22
Acetophenone
Concen: 25.27 ng
RT: 6.97 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF083341.D
Acq: 30 Nov 2015 18:36

Tgt Ion:	105	Resp:	448013
Ion	Ratio	Lower	Upper
105	100		
71	1.9	4.3	6.5#
51	35.4	22.9	34.3#
120	19.9	16.7	25.1

