

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078623.D
 Acq On : 18 Apr 2015 4:16
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Apr 18 04:54:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 00:02:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	31458	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	131207	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	68436	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	140581	20.00	ng	0.00
75) Chrysene-d12	15.46	240	160249	20.00	ng	0.00
86) Perylene-d12	17.10	264	166447	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	4.89	112	149716	78.47	ng	-0.01
7) Phenol-d6	6.28	99	194521	81.35	ng	0.00
23) Nitrobenzene-d5	7.38	82	186368	86.10	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	54417	95.88	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	374360	78.19	ng	0.00
78) Terphenyl-d14	14.21	244	547393	77.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.43	88	31068	36.01	ng	# 93
3) Pyridine	1.96	79	82611	36.55	ng	97
4) n-Nitrosodimethylamine	1.92	42	34117	39.22	ng	96
6) Aniline	6.26	93	143681	42.37	ng	# 86
8) 2-Chlorophenol	6.40	128	90293	40.02	ng	94
9) Benzaldehyde	6.10	77	45693	28.83	ng	85
10) Phenol	6.30	94	115736	40.40	ng	97
11) bis(2-Chloroethyl)ether	6.38	93	80624	39.13	ng	91
12) 1,3-Dichlorobenzene	6.59	146	98279	39.66	ng	# 93
13) 1,4-Dichlorobenzene	6.70	146	100935	40.46	ng	96
14) 1,2-Dichlorobenzene	6.88	146	92319	39.47	ng	94
15) Benzyl Alcohol	6.88	79	74299	44.22	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.06	45	110220	40.10	ng	87
17) 2-Methylphenol	7.05	107	74033	42.27	ng	97
18) Hexachloroethane	7.29	117	35545	42.26	ng	# 87
19) n-Nitroso-di-n-propylamine	7.22	70	70013	44.38	ng	93
20) 3+4-Methylphenols	7.24	107	99323	42.51	ng	98
22) Acetophenone	7.20	105	127537	41.72	ng	# 90
24) Nitrobenzene	7.40	77	99864	44.13	ng	88
25) Isophorone	7.71	82	183560	44.68	ng	99
26) 2-Nitrophenol	7.79	139	46893	43.48	ng	# 80
27) 2,4-Dimethylphenol	7.90	122	82786	41.28	ng	99
28) bis(2-Chloroethoxy)methane	8.01	93	108068	41.02	ng	100
29) 2,4-Dichlorophenol	8.10	162	77633	42.56	ng	90
30) 1,2,4-Trichlorobenzene	8.19	180	84411	40.36	ng	98
31) Naphthalene	8.27	128	273040	39.98	ng	99
32) Benzoic acid	8.04	122	39404	42.53	ng	94
33) 4-Chloroaniline	8.38	127	123569	43.60	ng	97
34) Hexachlorobutadiene	8.44	225	47956	41.76	ng	96
35) Caprolactam	8.81	113	26856	49.32	ng	98
36) 4-Chloro-3-methylphenol	9.00	107	86471	46.98	ng	91
37) 2-Methylnaphthalene	9.13	142	187483	40.44	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.34	216	84407	39.80	ng	99
40) Hexachlorocyclopentadiene	9.32	237	28967	35.84	ng	97

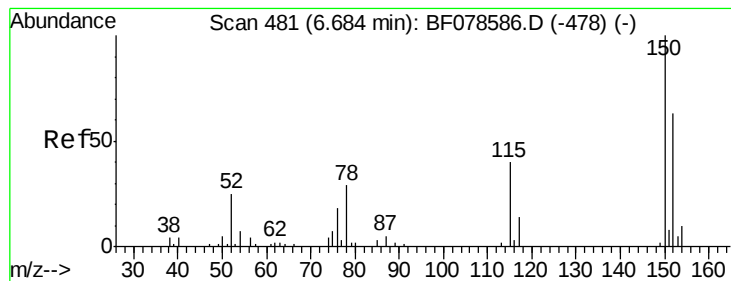
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.50	196	57974	43.35	ng	99
43) 2,4,5-Trichlorophenol	9.55	196	57238	40.97	ng	# 85
45) 1,1'-Biphenyl	9.71	154	220952	39.47	ng	97
46) 2-Chloronaphthalene	9.72	162	178437	40.51	ng	95
47) 2-Nitroaniline	9.87	65	50207	46.07	ng	94
48) Acenaphthylene	10.23	152	299556	42.12	ng	99
49) Dimethylphthalate	10.12	163	226025	43.96	ng	98
50) 2,6-Dinitrotoluene	10.19	165	50047	47.31	ng	# 79
51) Acenaphthene	10.44	154	170323	42.54	ng	100
52) 3-Nitroaniline	10.39	138	58369	48.53	ng	99
53) 2,4-Dinitrophenol	10.63	184	1059	11.20	ng	# 1
54) Dibenzofuran	10.66	168	270013	44.15	ng	97
55) 4-Nitrophenol	10.66	139	131896	146.54	ng	# 22
56) 2,4-Dinitrotoluene	10.68	165	70067	51.14	ng	98
57) Fluorene	11.07	166	216572	43.69	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.82	232	46567	44.96	ng	98
59) Diethylphthalate	10.99	149	235687	47.54	ng	100
60) 4-Chlorophenyl-phenylether	11.10	204	98642	43.25	ng	# 80
61) 4-Nitroaniline	11.13	138	53931	44.36	ng	92
62) Azobenzene	11.29	77	227352	50.25	ng	94
64) 4,6-Dinitro-2-methylphenol	11.18	198	28883	42.57	ng	85
65) n-Nitrosodiphenylamine	11.26	169	198325	40.78	ng	98
66) 4-Bromophenyl-phenylether	11.69	248	62054	41.68	ng	97
67) Hexachlorobenzene	11.75	284	65292	40.02	ng	# 89
68) Atrazine	11.93	200	60277	42.80	ng	95
69) Pentachlorophenol	12.00	266	24165	37.92	ng	98
70) Phenanthrene	12.25	178	329516	40.52	ng	99
71) Anthracene	12.31	178	333077	41.57	ng	100
72) Carbazole	12.53	167	314328	41.86	ng	98
73) Di-n-butylphthalate	13.01	149	421185	49.51	ng	99
74) Fluoranthene	13.70	202	383036	44.66	ng	96
76) Benzidine	13.91	184	207347	33.60	ng	99
77) Pyrene	13.98	202	398761	39.64	ng	98
79) Butylbenzylphthalate	14.83	149	188734	49.22	ng	91
80) Benzo(a)anthracene	15.45	228	379544	39.81	ng	98
81) 3,3'-Dichlorobenzidine	15.45	252	140124	43.88	ng	# 98
82) Chrysene	15.50	228	375721	41.94	ng	99
83) Bis(2-ethylhexyl)phthalate	15.55	149	292250	48.60	ng	# 96
84) Di-n-octyl phthalate	16.32	149	517561	52.42	ng	# 100
85) Indeno(1,2,3-cd)pyrene	18.55	276	366178	36.02	ng	93
87) Benzo(b)fluoranthene	16.69	252	481906	46.85	ng	# 96
88) Benzo(k)fluoranthene	16.69	252	481906	52.72	ng	97
89) Benzo(a)pyrene	17.04	252	373794	41.64	ng	98
90) Dibenzo(a,h)anthracene	18.25	278	362595	40.34	ng	98
91) Benzo(g,h,i)perylene	18.55	276	339792	37.70	ng	100

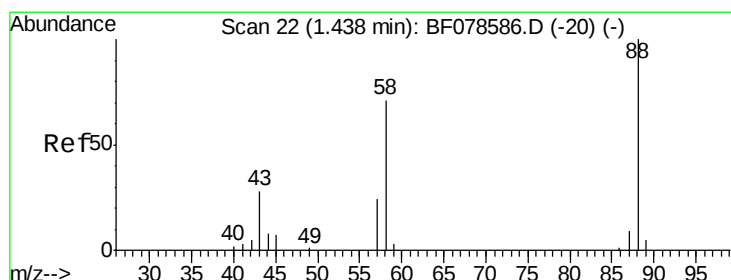
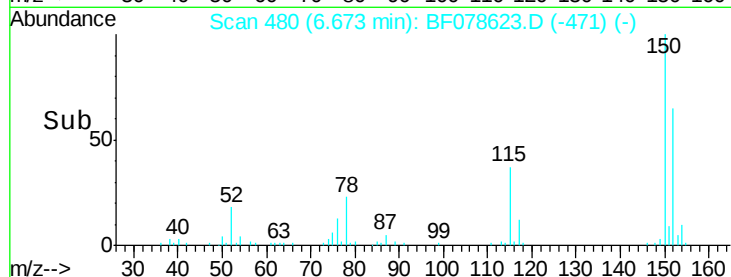
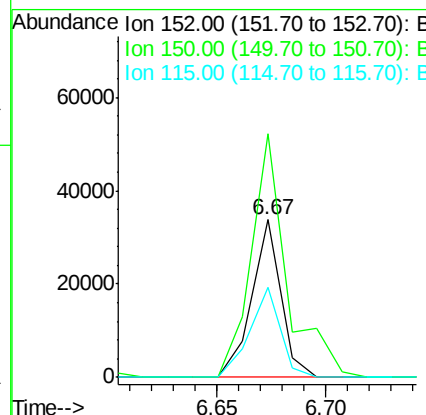
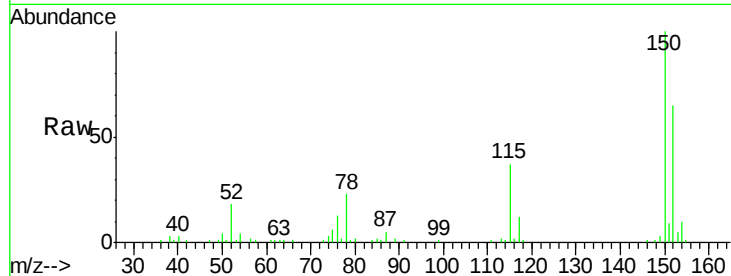
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: BF078623.D
 Acq: 18 Apr 2015 4:16

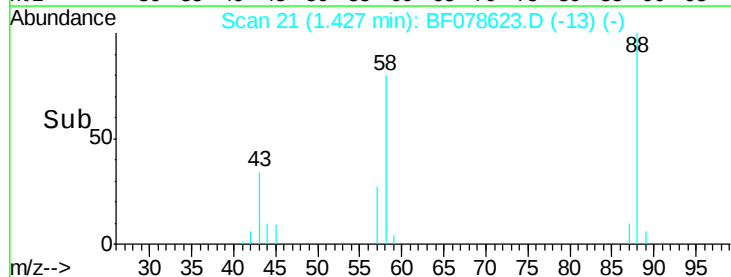
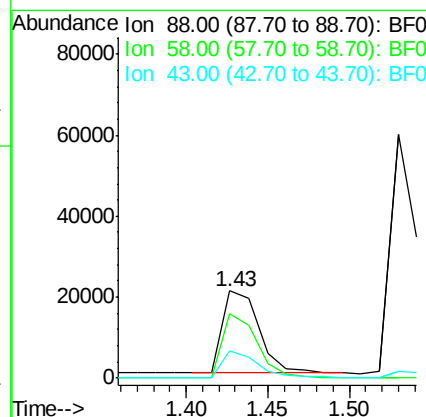
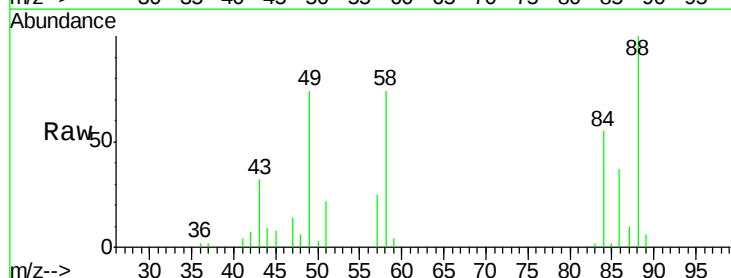
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

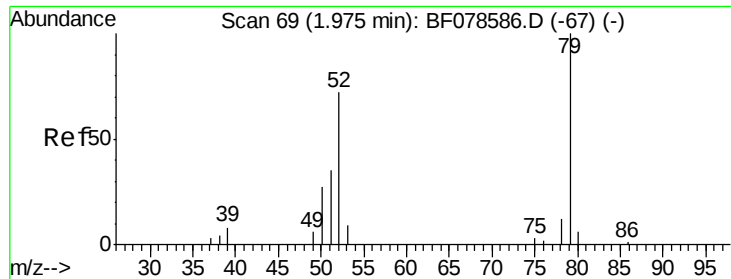
Tgt Ion:152 Resp: 31458
 Ion Ratio Lower Upper
 152 100
 150 154.5 125.9 188.9
 115 57.0 52.7 79.1



#2
 1,4-Dioxane
 Concen: 36.01 ng
 RT: 1.43 min Scan# 21
 Delta R.T. -0.01 min
 Lab File: BF078623.D
 Acq: 18 Apr 2015 4:16

Tgt Ion: 88 Resp: 31068
 Ion Ratio Lower Upper
 88 100
 58 75.5 56.9 85.3
 43 33.1 21.4 32.2#





#3

Pyridine

Concen: 36.55 ng

RT: 1.96 min Scan# 68

Delta R.T. 0.00 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

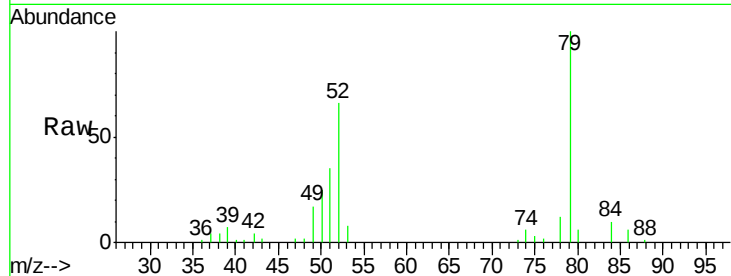
Tgt Ion: 79 Resp: 82611

Ion Ratio Lower Upper

79 100

52 66.1 52.4 78.6

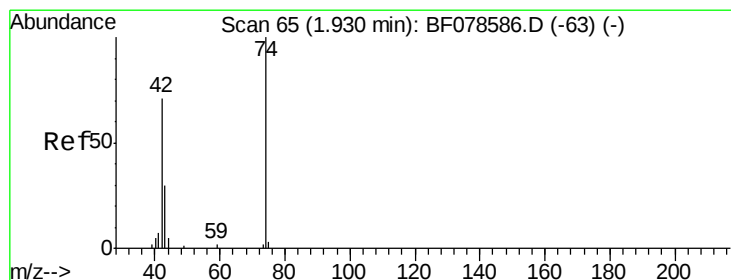
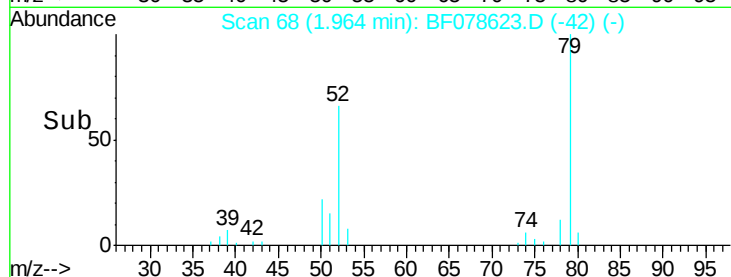
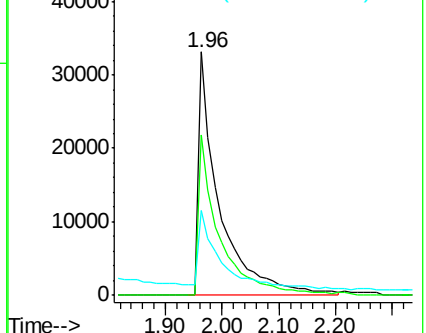
51 34.8 24.9 37.3



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: 39.22 ng

RT: 1.92 min Scan# 64

Delta R.T. 0.00 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

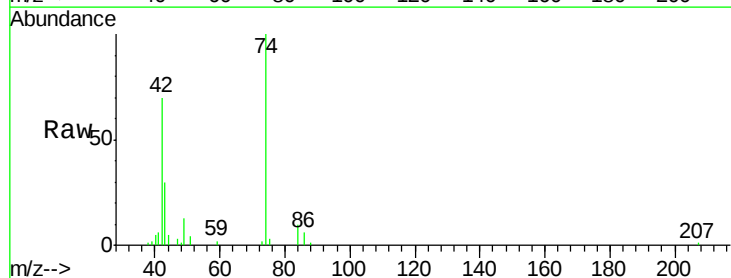
Tgt Ion: 42 Resp: 34117

Ion Ratio Lower Upper

42 100

74 142.6 118.7 178.1

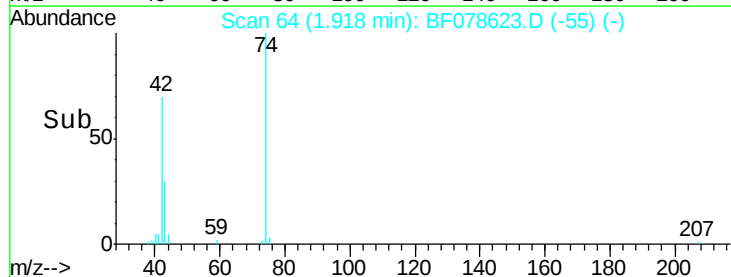
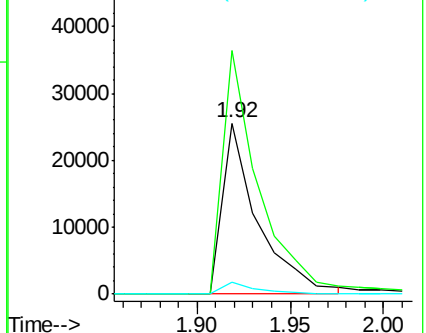
44 7.3 5.9 8.9

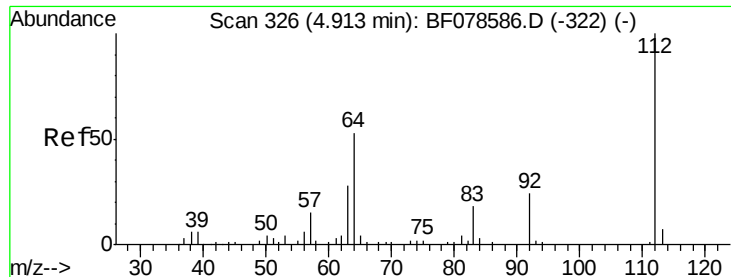


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 78.47 ng

RT: 4.89 min Scan# 324

Delta R.T. -0.01 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

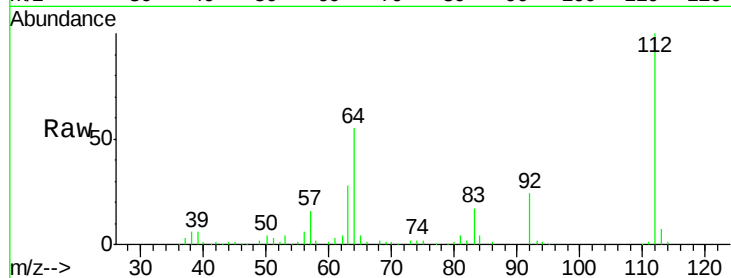
Tgt Ion: 112 Resp: 149716

Ion Ratio Lower Upper

112 100

64 55.5 39.9 59.9

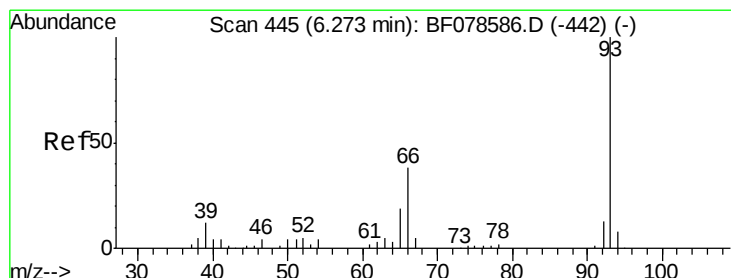
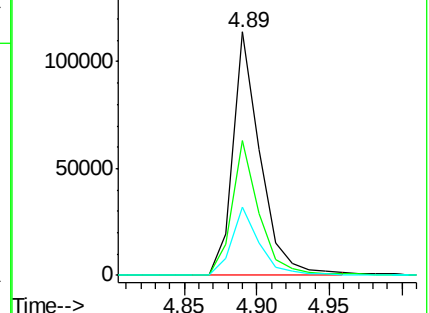
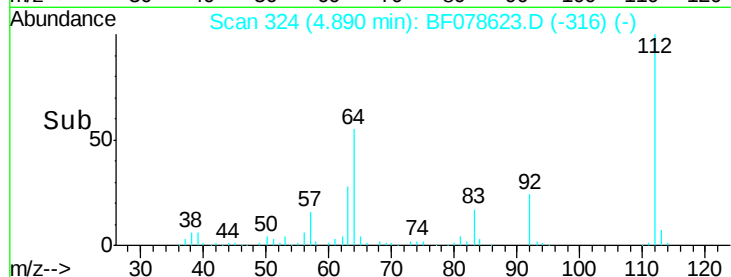
63 27.9 20.2 30.4



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: 42.37 ng

RT: 6.26 min Scan# 444

Delta R.T. 0.00 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

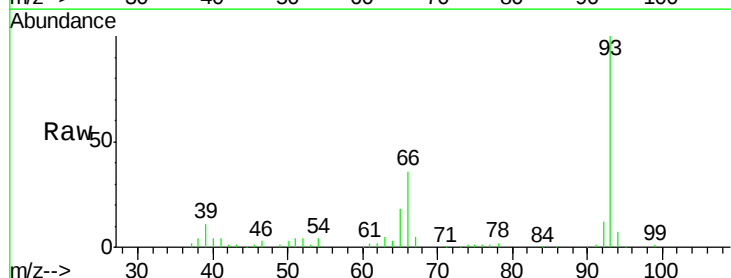
Tgt Ion: 93 Resp: 143681

Ion Ratio Lower Upper

93 100

66 35.7 38.0 57.0#

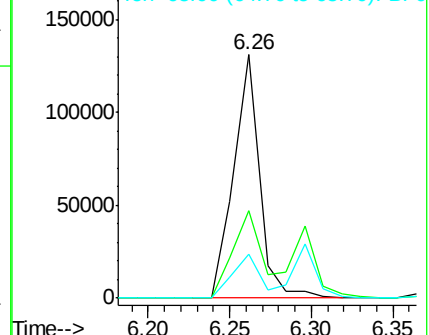
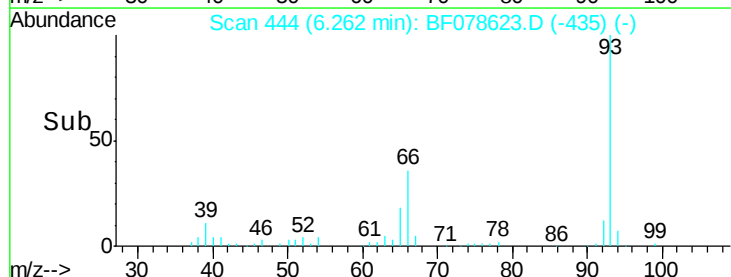
65 18.0 16.3 24.5

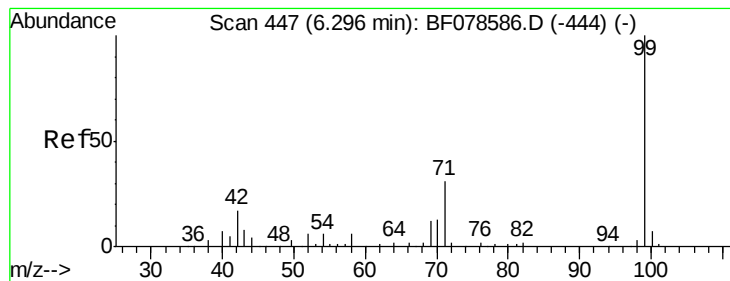


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 81.35 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

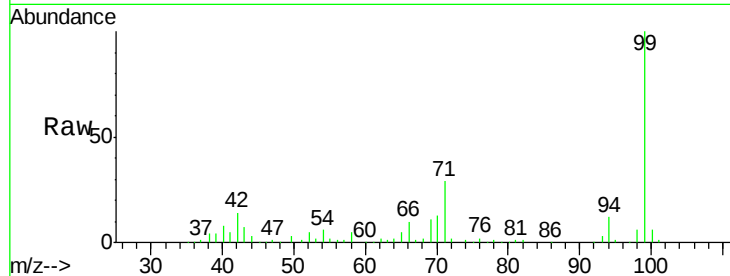
Tgt Ion: 99 Resp: 194521

Ion Ratio Lower Upper

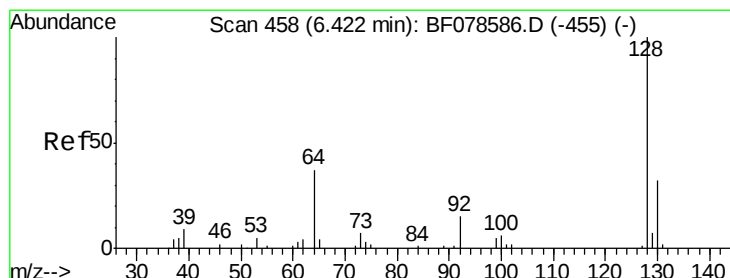
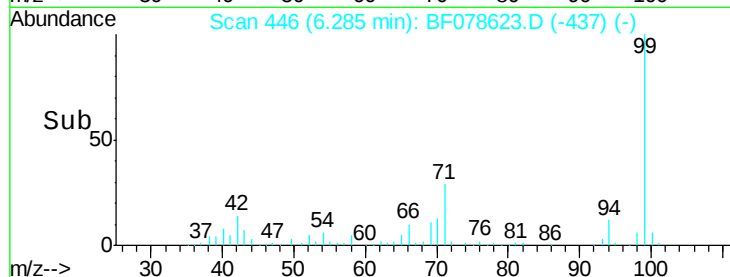
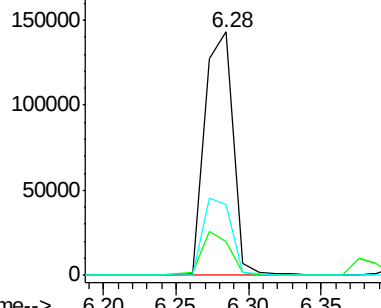
99 100

42 13.7 14.8 22.2#

71 29.0 26.6 39.8



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: 40.02 ng

RT: 6.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

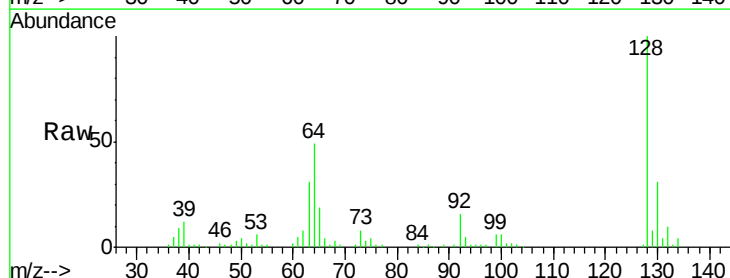
Tgt Ion: 128 Resp: 90293

Ion Ratio Lower Upper

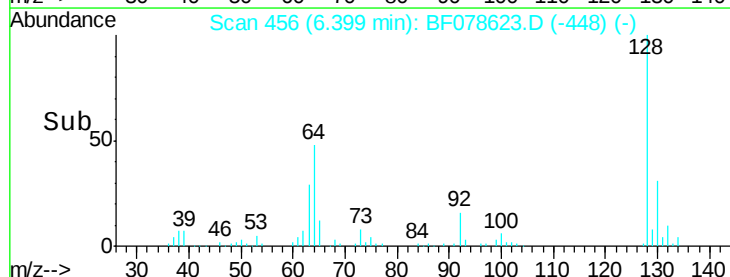
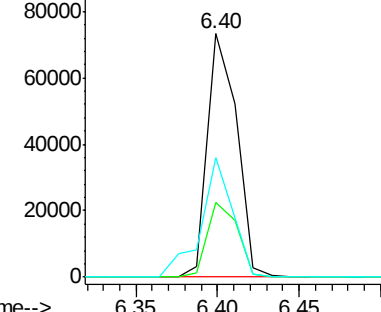
128 100

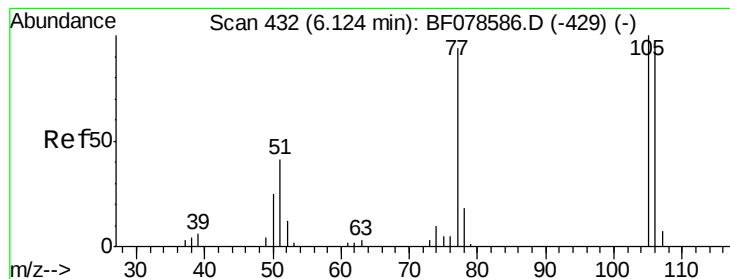
130 30.7 12.3 52.3

64 49.2 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: 28.83 ng

RT: 6.10 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

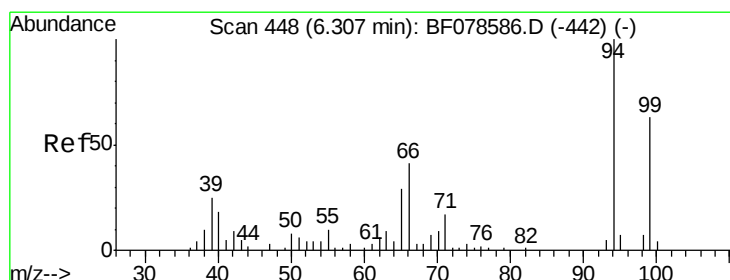
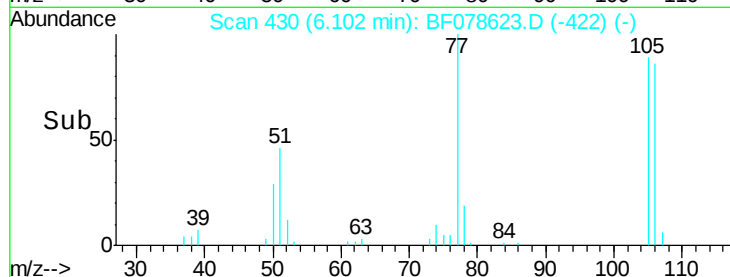
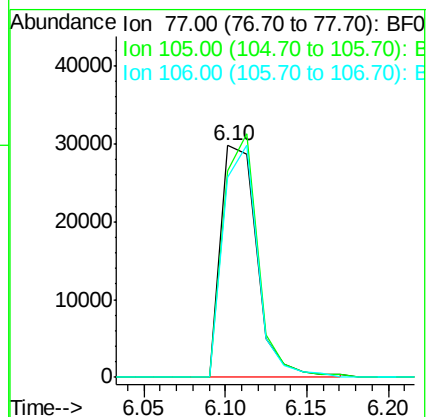
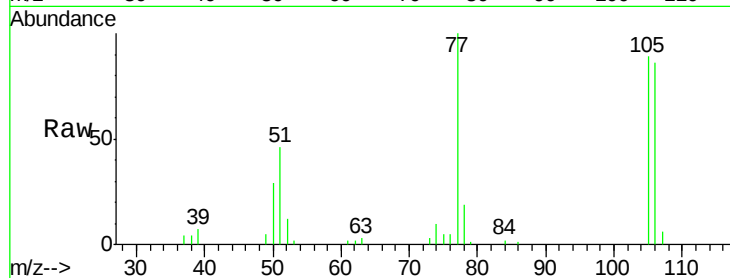
Tgt Ion: 77 Resp: 45693

Ion Ratio Lower Upper

77 100

105 88.9 85.4 125.4

106 86.5 80.8 120.8



#10

Phenol

Concen: 40.40 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

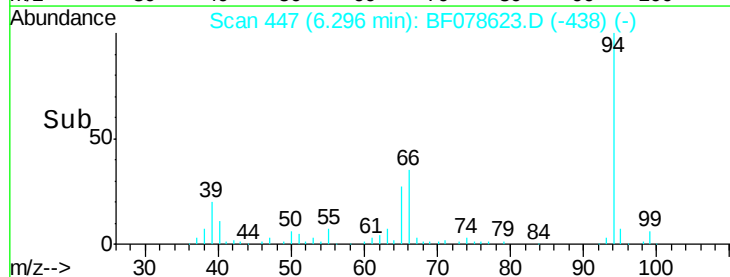
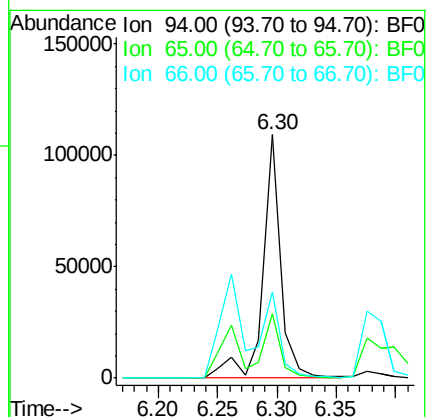
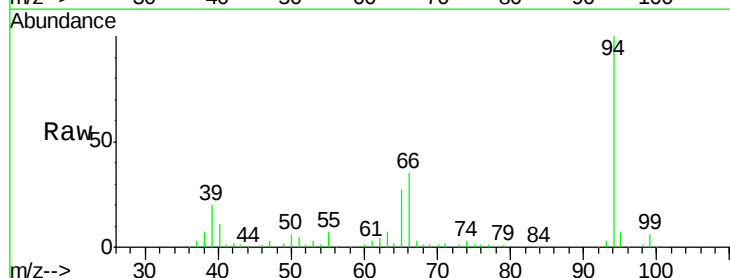
Tgt Ion: 94 Resp: 115736

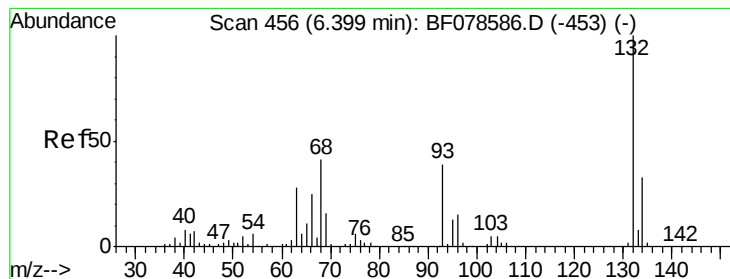
Ion Ratio Lower Upper

94 100

65 26.7 4.9 44.9

66 35.3 13.8 53.8

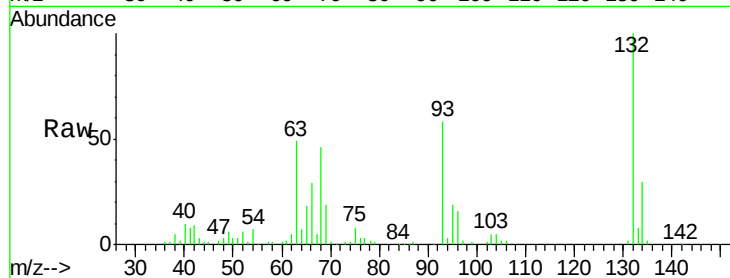




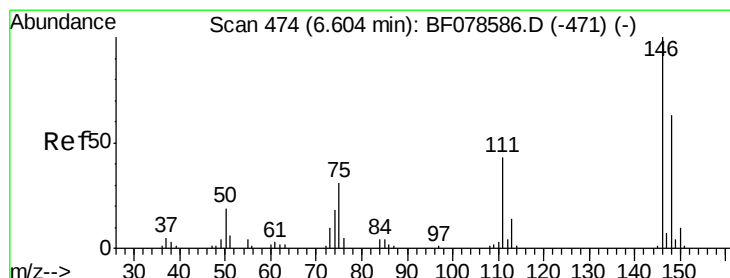
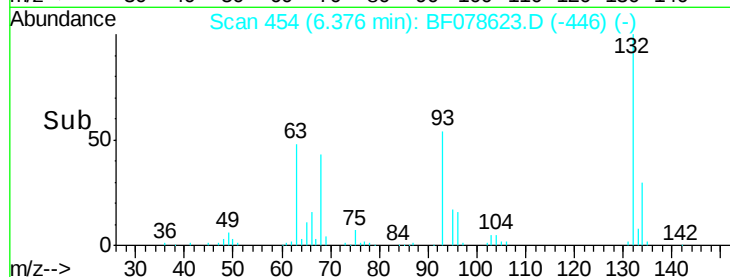
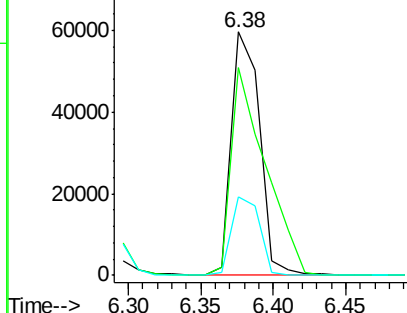
#11
 bis(2-Chloroethyl)ether
 Concen: 39.13 ng
 RT: 6.38 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF078623.D
 Acq: 18 Apr 2015 4:16

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion: 93 Resp: 80624
 Ion Ratio Lower Upper
 93 100
 63 85.5 54.6 94.6
 95 32.5 13.6 53.6

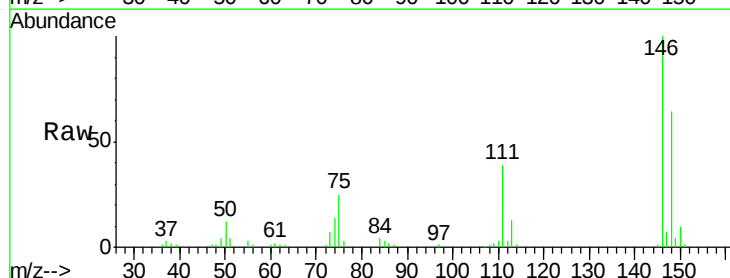


Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0

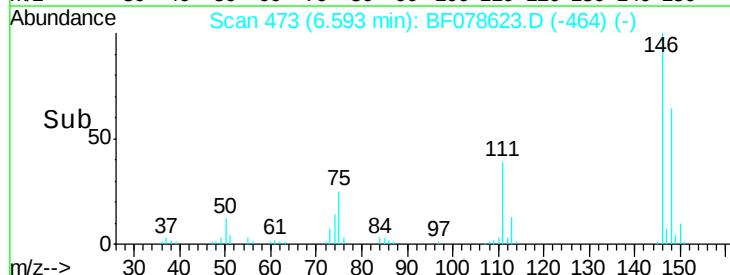
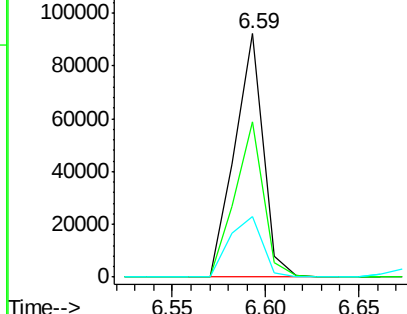


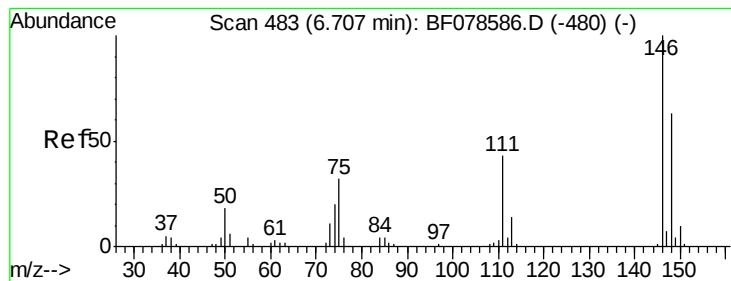
#12
 1,3-Dichlorobenzene
 Concen: 39.66 ng
 RT: 6.59 min Scan# 473
 Delta R.T. 0.00 min
 Lab File: BF078623.D
 Acq: 18 Apr 2015 4:16

Tgt Ion: 146 Resp: 98279
 Ion Ratio Lower Upper
 146 100
 148 63.9 49.1 73.7
 75 25.0 26.6 40.0#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 40.46 ng

RT: 6.70 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

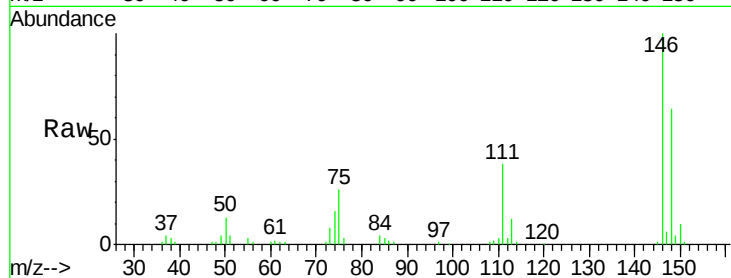
Tgt Ion:146 Resp: 100935

Ion Ratio Lower Upper

146 100

148 64.0 51.4 77.0

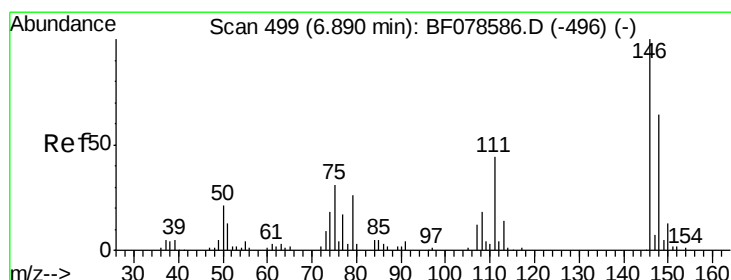
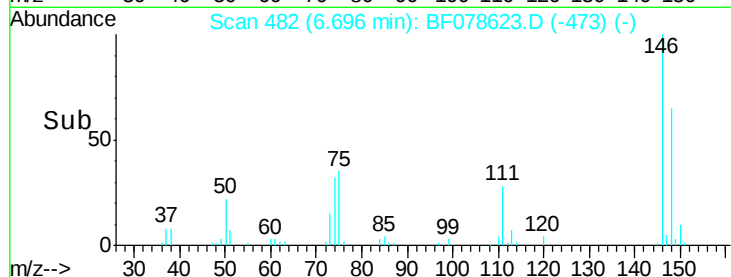
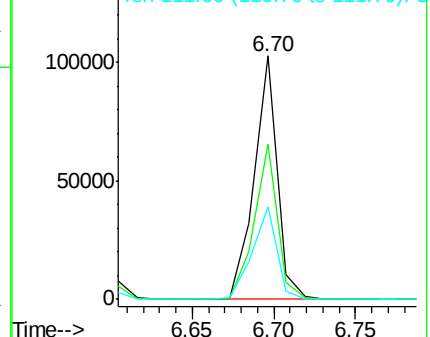
111 38.0 35.0 52.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.47 ng

RT: 6.88 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078623.D

Acq: 18 Apr 2015 4:16

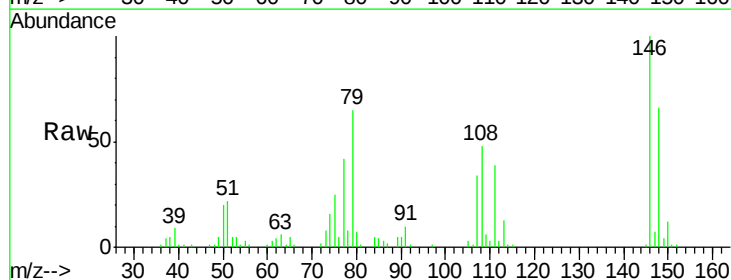
Tgt Ion:146 Resp: 92319

Ion Ratio Lower Upper

146 100

148 65.7 50.2 75.4

111 39.3 36.1 54.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

