

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011817\
 Data File : BF092356.D
 Acq On : 18 Jan 2017 17:35
 Operator : UM/SJ
 Sample : I1260-04MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-0-12FT-COMPMS

Quant Time: Jan 19 00:02:59 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	600277	20.00	ng	0.06
21) Naphthalene-d8	7.83	136	599991	20.00	ng	-0.10
38) Acenaphthene-d10	9.58	164	401597	20.00	ng	-0.10
63) Phenanthrene-d10	11.06	188	607544	20.00	ng	-0.10
75) Chrysene-d12	13.69	240	342836	20.00	ng	-0.10
86) Perylene-d12	15.03	264	357320	20.00	ng	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	1385942	38.55	ng	-0.09
7) Phenol-d6	6.22	99	1570991	35.79	ng	-0.09
23) Nitrobenzene-d5	7.12	82	1185586	109.88	ng	-0.09
41) 2,4,6-Tribromophenol	10.37	330	442432	133.12	ng	-0.10
44) 2-Fluorobiphenyl	8.92	172	2176924	115.73	ng	-0.09
78) Terphenyl-d14	12.65	244	1883438	133.24	ng	-0.10

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.12	88	227191	12.84	ng	# 83
3) Pyridine	2.72	79	476815	7.72	ng	98
4) n-Nitrosodimethylamine	2.64	42	259252	11.13	ng	99
6) Aniline	6.29	93	500163	8.77	ng	# 23
8) 2-Chlorophenol	6.34	128	505186	12.35	ng	99
10) Phenol	6.23	94	589873	11.79	ng	# 69
11) bis(2-Chloroethyl)ether	6.29	93	500163	12.57	ng	97
12) 1,3-Dichlorobenzene	6.56	146	533569	12.22	ng	97
13) 1,4-Dichlorobenzene	6.71	146	473114	10.65	ng	98
14) 1,2-Dichlorobenzene	6.71	146	473114	12.27	ng	99
15) Benzyl Alcohol	6.71	79	440845	12.93	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.84	45	721153	12.17	ng	# 34
17) 2-Methylphenol	7.00	107	585474	17.80	ng	# 73
18) Hexachloroethane	7.06	117	216665	13.15	ng	91
19) n-Nitroso-di-n-propylamine	7.12	70	157548	5.40	ng	# 77
20) 3+4-Methylphenols	7.00	107	585474	14.93	ng	# 71
22) Acetophenone	6.96	105	781574	52.81	ng	# 94
24) Nitrobenzene	7.14	77	563847	49.06	ng	99
25) Isophorone	7.39	82	1141343	57.33	ng	99
26) 2-Nitrophenol	7.46	139	293349	51.76	ng	98
27) 2,4-Dimethylphenol	7.51	122	460849	49.03	ng	98
28) bis(2-Chloroethoxy)methane	7.60	93	729788	60.45	ng	99
29) 2,4-Dichlorophenol	7.72	162	414648	52.09	ng	97
30) 1,2,4-Trichlorobenzene	7.78	180	419565	48.10	ng	96
31) Naphthalene	7.86	128	1521600	55.41	ng	99
32) Benzoic acid	7.70	122	293722	42.13	ng	99
33) 4-Chloroaniline	7.92	127	79721	6.44	ng	97
34) Hexachlorobutadiene	7.97	225	233385	50.69	ng	99
35) Caprolactam	8.30	113	70793	27.07	ng	# 62
36) 4-Chloro-3-methylphenol	8.43	107	454602	49.63	ng	98
37) 2-Methylnaphthalene	8.54	142	1067606	Below	Cal	98
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	428835	42.26	ng	99
40) Hexachlorocyclopentadiene	8.70	237	301968	67.48	ng	96
42) 2,4,6-Trichlorophenol	8.84	196	287551	40.52	ng	98

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Quant Time: Jan 19 00:02:59 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
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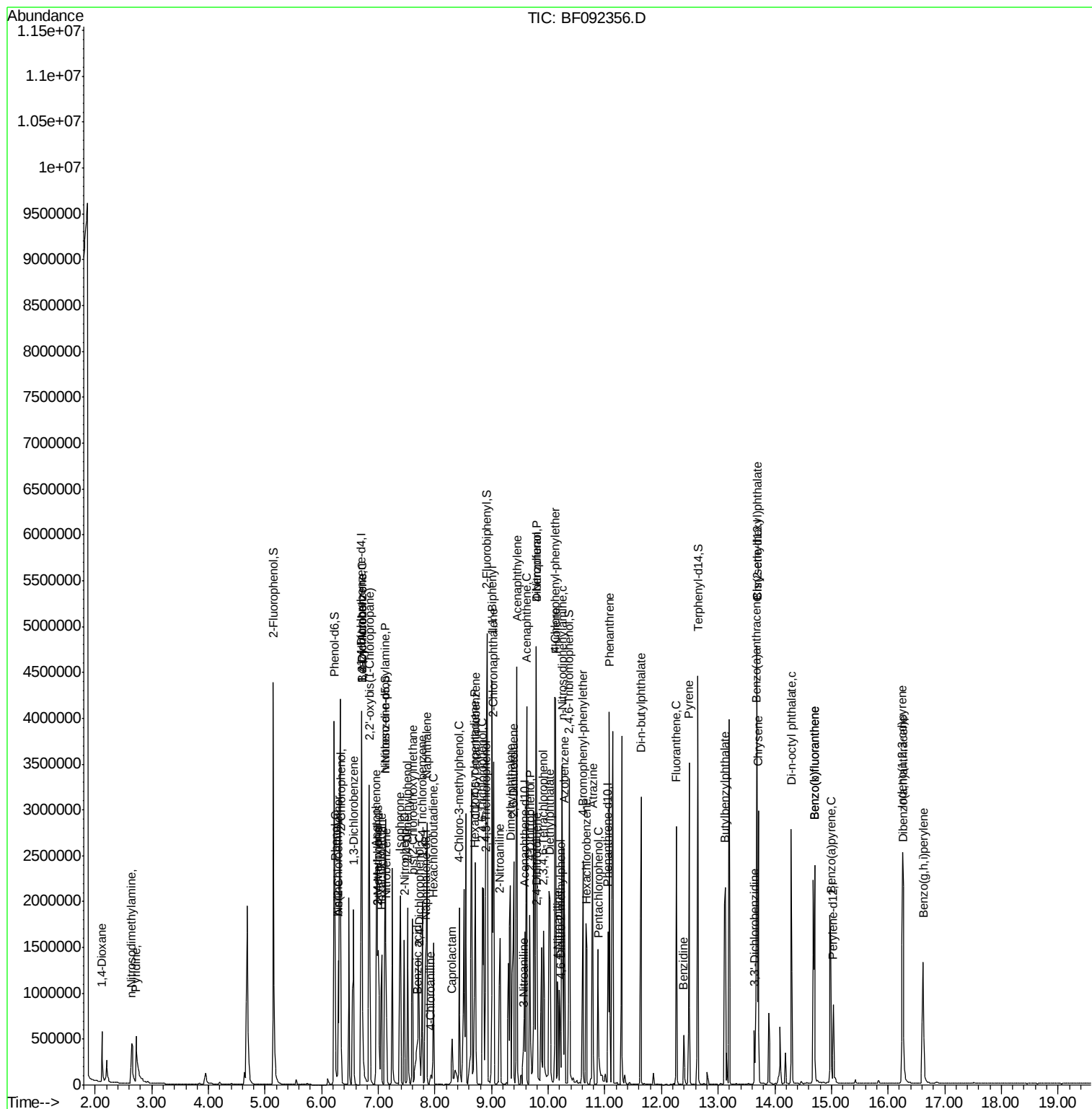
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.90	196	272043	37.25	ng	# 85
45) 1,1'-Biphenyl	9.01	154	1395633	50.75	ng	97
46) 2-Chloronaphthalene	9.03	162	1091671	50.13	ng	97
47) 2-Nitroaniline	9.15	65	350765	45.24	ng	# 62
48) Acenaphthylene	9.44	152	1687397	50.38	ng	99
49) Dimethylphthalate	9.33	163	1346351	52.42	ng	100
50) 2,6-Dinitrotoluene	9.39	165	282048	50.17	ng	# 83
51) Acenaphthene	9.62	154	1103629	48.61	ng	99
52) 3-Nitroaniline	9.56	138	73346	10.54	ng	83
53) 2,4-Dinitrophenol	9.67	184	318065	101.68	ng	# 74
54) Dibenzofuran	9.79	168	1478939	48.23	ng	98
55) 4-Nitrophenol	9.79	139	939530	198.89	ng	# 8
56) 2,4-Dinitrotoluene	9.80	165	377323	53.47	ng	# 67
57) Fluorene	10.13	166	1158811	51.95	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.91	232	285650	49.46	ng	94
59) Diethylphthalate	10.03	149	1248157	50.04	ng	94
60) 4-Chlorophenyl-phenylether	10.12	204	474023	48.53	ng	100
61) 4-Nitroaniline	10.18	138	303612	42.11	ng	# 78
62) Azobenzene	10.28	77	1367633	49.80	ng	97
64) 4,6-Dinitro-2-methylphenol	10.21	198	197862	53.86	ng	95
65) n-Nitrosodiphenylamine	10.24	169	973198	53.98	ng	98
66) 4-Bromophenyl-phenylether	10.61	248	347651	55.01	ng	# 88
67) Hexachlorobenzene	10.68	284	353042	52.26	ng	# 87
68) Atrazine	10.78	200	281097	48.34	ng	99
69) Pentachlorophenol	10.88	266	293448	88.53	ng	99
70) Phenanthrene	11.08	178	1536755	46.65	ng	99
71) Anthracene	11.14	178	1806266	Below	Cal	99
72) Carbazole	11.30	167	1484498	Below	Cal	99
73) Di-n-butylphthalate	11.64	149	2040763	67.42	ng	# 97
74) Fluoranthene	12.26	202	1573622	55.32	ng	98
76) Benzidine	12.39	184	230597	23.16	ng	97
77) Pyrene	12.49	202	1446101	57.49	ng	99
79) Butylbenzylphthalate	13.13	149	765710	66.93	ng	# 76
80) Benzo(a)anthracene	13.67	228	1164072	60.15	ng	100
81) 3,3'-Dichlorobenzidine	13.64	252	140745	19.18	ng	98
82) Chrysene	13.71	228	953201	49.10	ng	99
83) Bis(2-ethylhexyl)phthalate	13.69	149	935200	69.41	ng	98
84) Di-n-octyl phthalate	14.29	149	1537336	61.60	ng	98
85) Indeno(1,2,3-cd)pyrene	16.26	276	1248163	74.22	ng	99
87) Benzo(b)fluoranthene	14.70	252	2119492	95.27	ng	# 97
88) Benzo(k)fluoranthene	14.70	252	2120304	111.77	ng	97
89) Benzo(a)pyrene	14.99	252	1031826	52.26	ng	# 96
90) Dibenzo(a,h)anthracene	16.27	278	1016913	62.66	ng	# 95
91) Benzo(g,h,i)perylene	16.62	276	1128574	66.88	ng	98

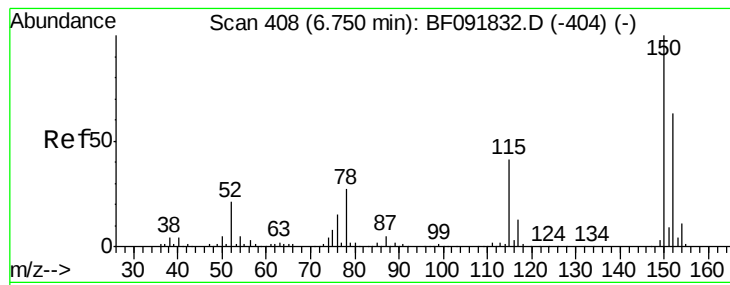
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 430

Delta R.T. 0.06 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

Instrument :

BNA_F

ClientSampleId :

MH-0-12FT-COMPMS

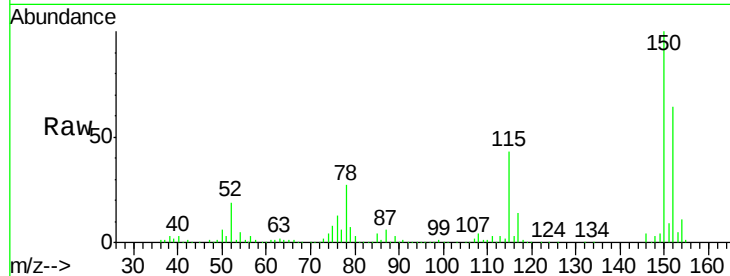
Tgt Ion:152 Resp: 600277

Ion Ratio Lower Upper

152 100

150 155.7 124.9 187.3

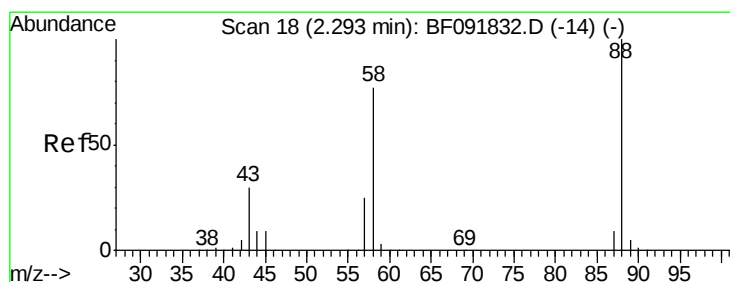
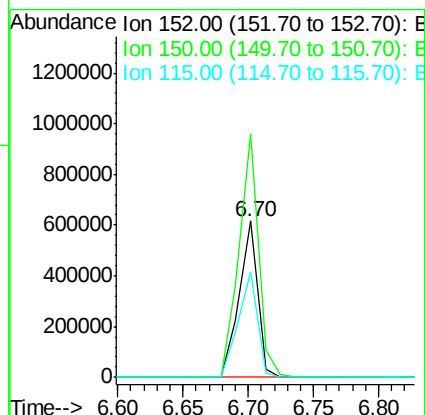
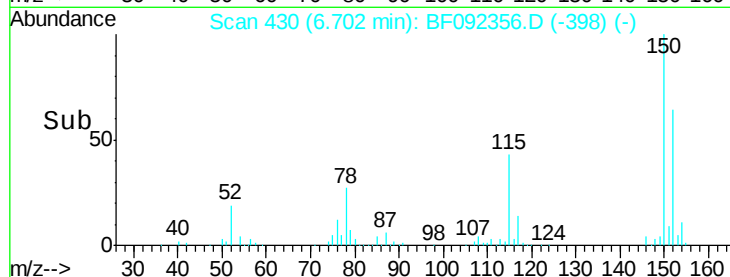
115 67.0 46.0 69.0



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: 12.84 ng

RT: 2.12 min Scan# 29

Delta R.T. 0.04 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

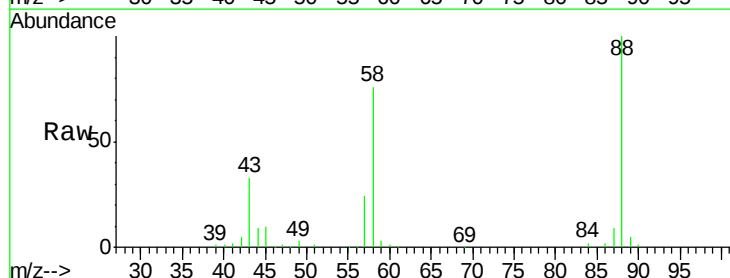
Tgt Ion: 88 Resp: 227191

Ion Ratio Lower Upper

88 100

58 74.6 57.8 86.8

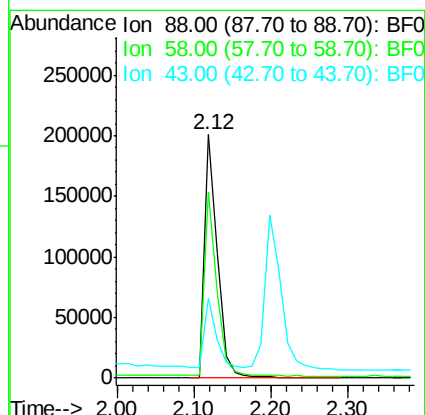
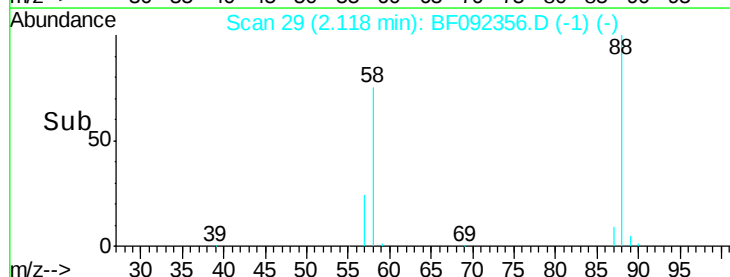
43 0.0 22.3 33.5#

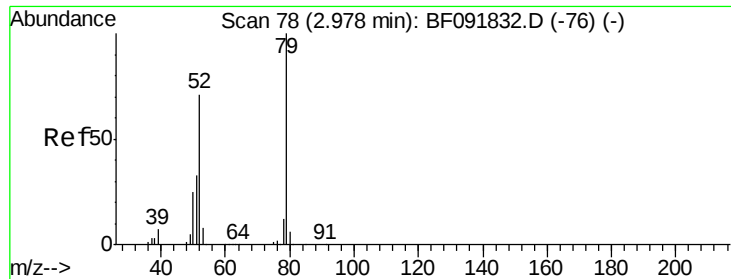


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 7.72 ng

RT: 2.72 min Scan# 82

Delta R.T. -0.01 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

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BNA_F

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MH-0-12FT-COMPMS

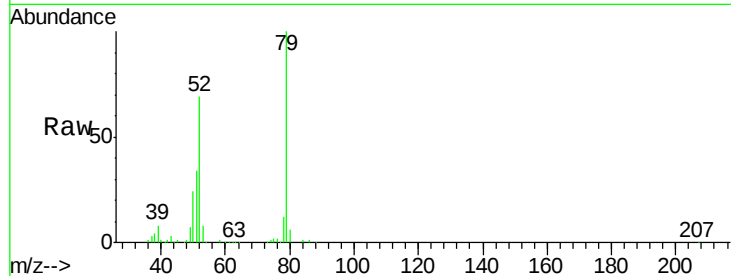
Tgt Ion: 79 Resp: 476815

Ion Ratio Lower Upper

79 100

52 69.3 57.1 85.7

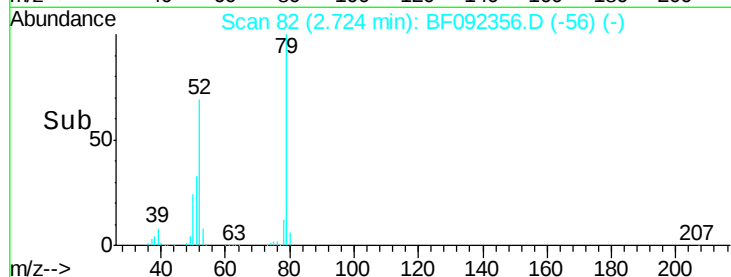
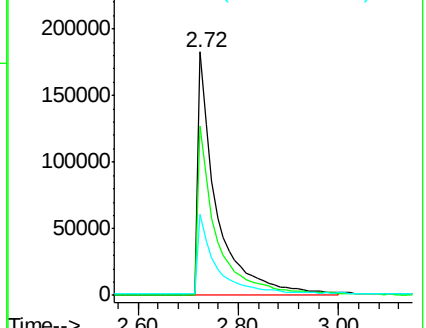
51 33.5 27.3 40.9



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: 11.13 ng

RT: 2.64 min Scan# 75

Delta R.T. -0.04 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

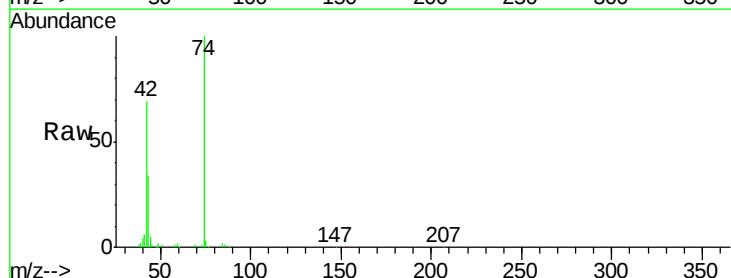
Tgt Ion: 42 Resp: 259252

Ion Ratio Lower Upper

42 100

74 145.2 117.0 175.4

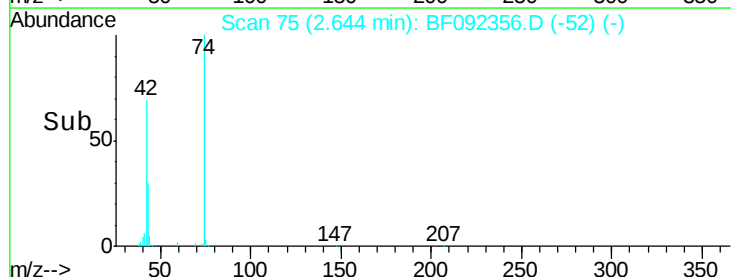
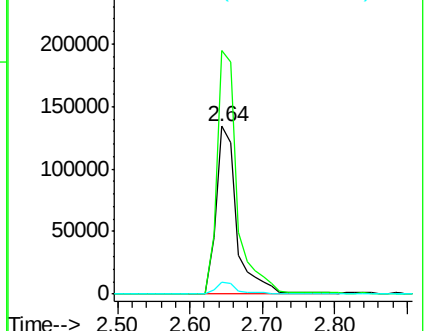
44 6.9 5.5 8.3



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: 38.55 ng

RT: 5.15 min Scan# 294

Delta R.T. -0.09 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

Instrument :

BNA_F

ClientSampleId :

MH-0-12FT-COMPMS

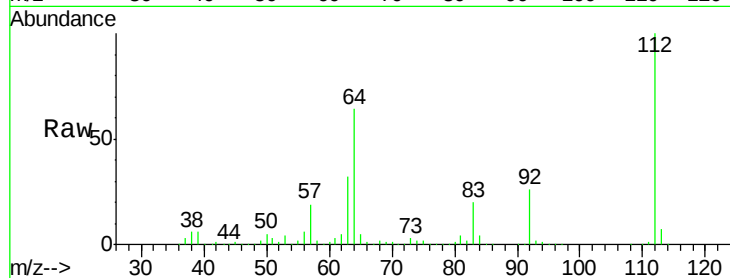
Tgt Ion: 112 Resp: 1385942

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

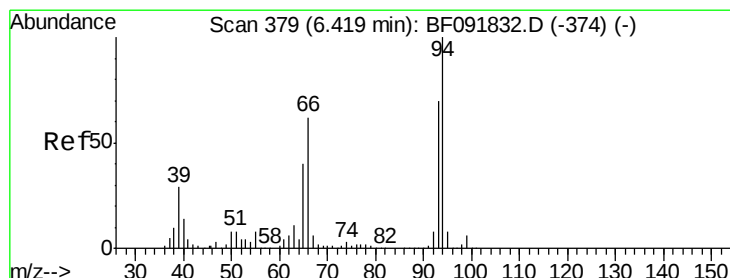
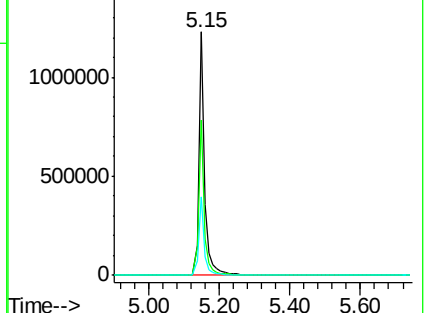
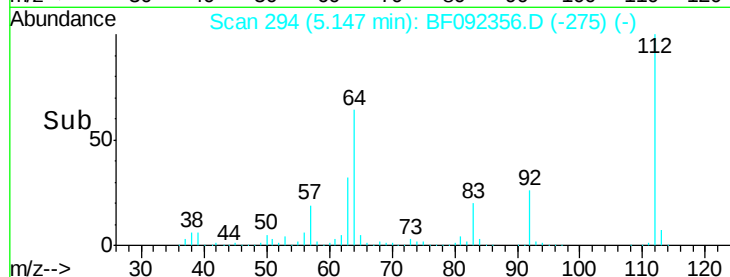
63 32.3 23.8 35.6



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: 8.77 ng

RT: 6.29 min Scan# 394

Delta R.T. -0.02 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

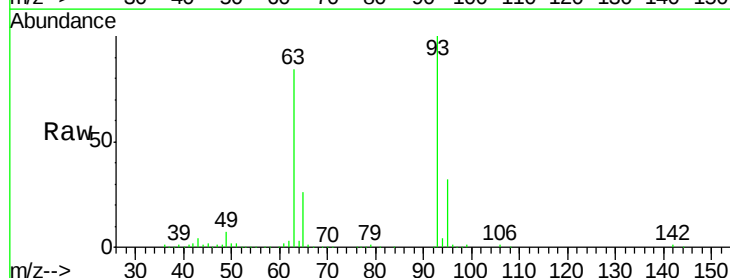
Tgt Ion: 93 Resp: 500163

Ion Ratio Lower Upper

93 100

66 1.1 76.2 114.2#

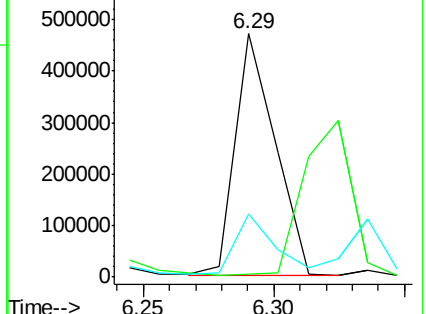
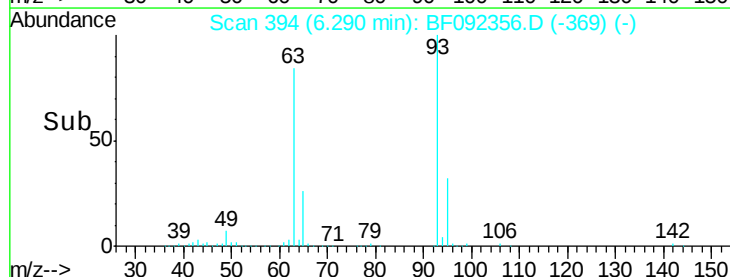
65 25.9 49.3 73.9#



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: 35.79 ng

RT: 6.22 min Scan# 388

Delta R.T. -0.09 min

Lab File: BF092356.D

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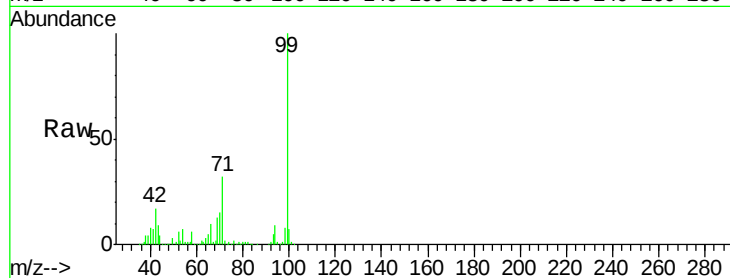
Tgt Ion: 99 Resp: 1570991

Ion Ratio Lower Upper

99 100

42 17.4 15.6 23.4

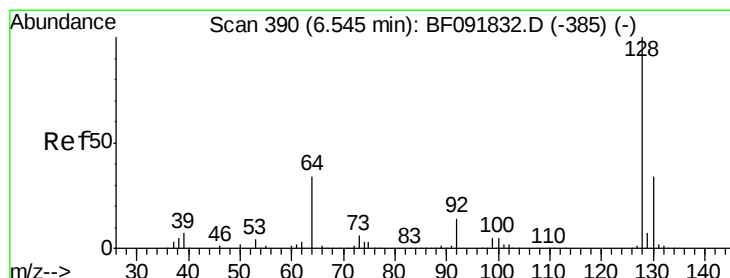
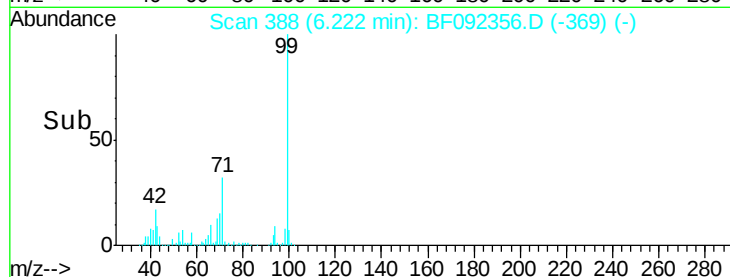
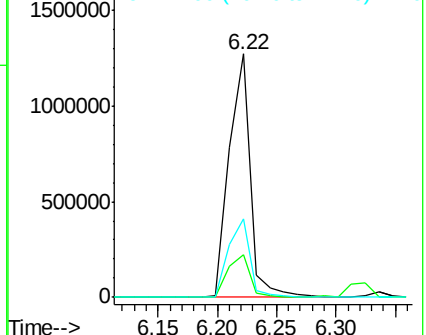
71 32.5 27.5 41.3



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: 12.35 ng

RT: 6.34 min Scan# 398

Delta R.T. -0.10 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

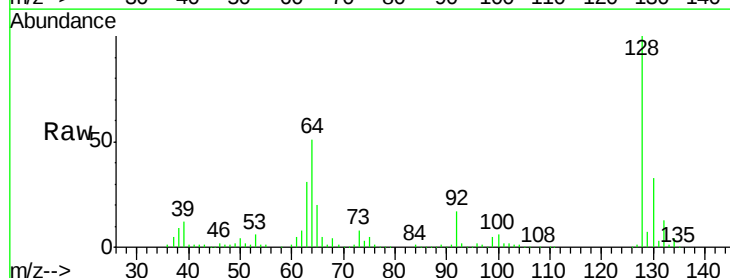
Tgt Ion: 128 Resp: 505186

Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

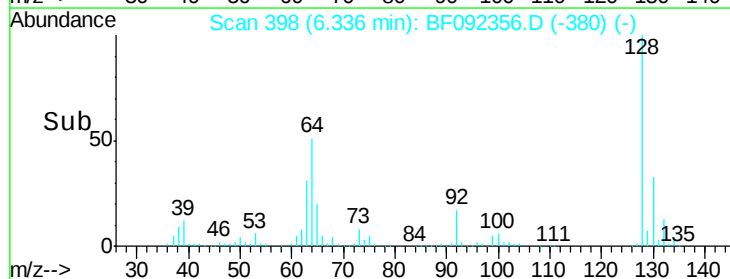
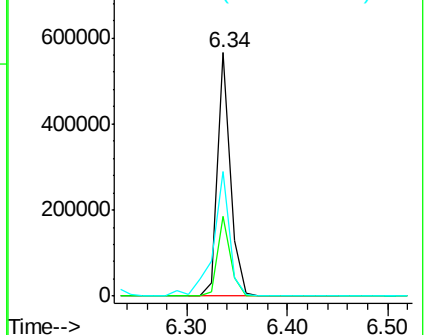
64 51.4 32.2 72.2

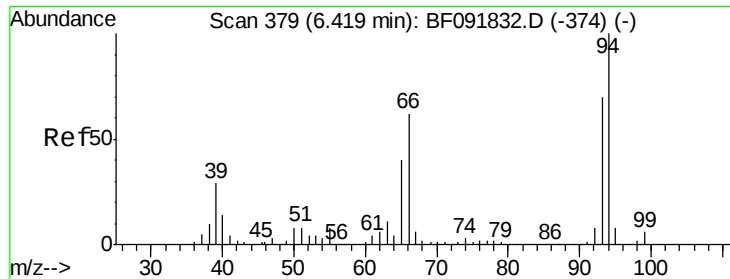


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 11.79 ng

RT: 6.23 min Scan# 389

Delta R.T. -0.09 min

Lab File: BF092356.D

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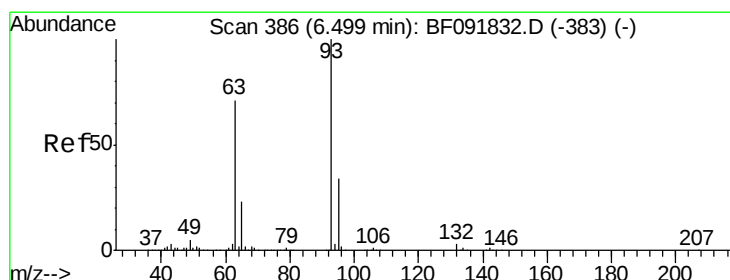
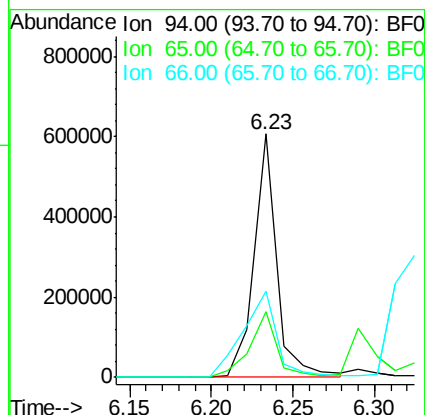
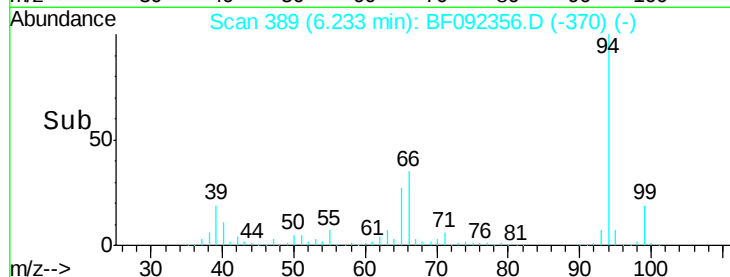
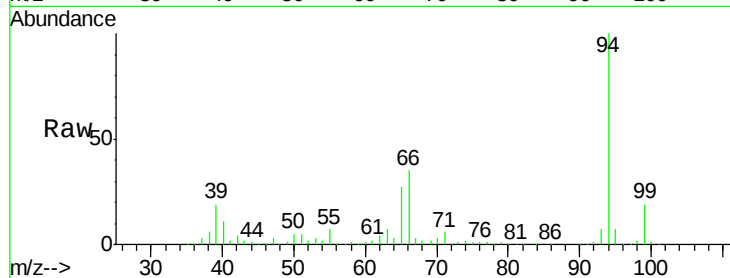
Tgt Ion: 94 Resp: 589873

Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

66 35.2 44.0 84.0#



#11

bis(2-Chloroethyl)ether

Concen: 12.57 ng

RT: 6.29 min Scan# 394

Delta R.T. -0.10 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

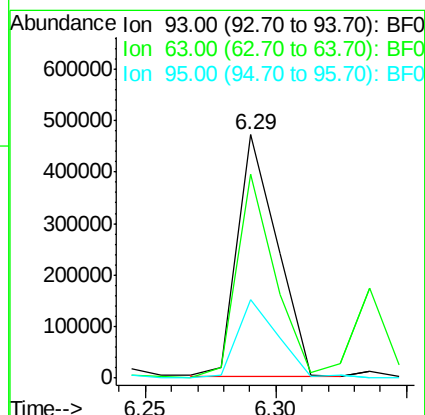
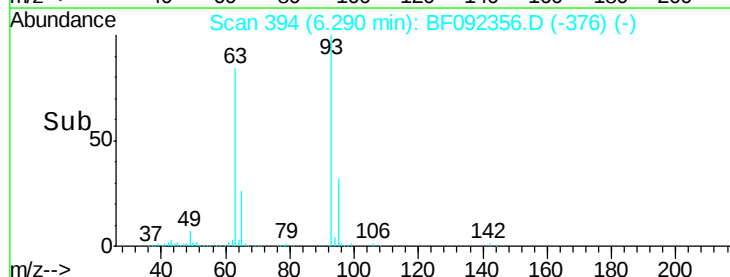
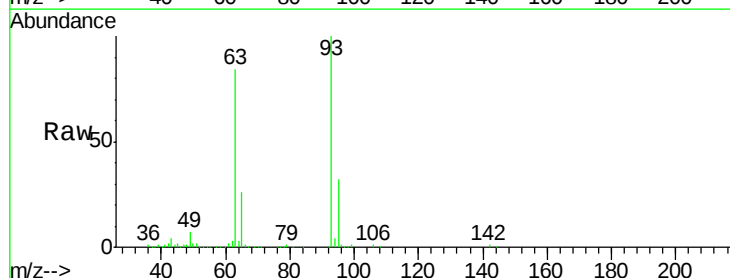
Tgt Ion: 93 Resp: 500163

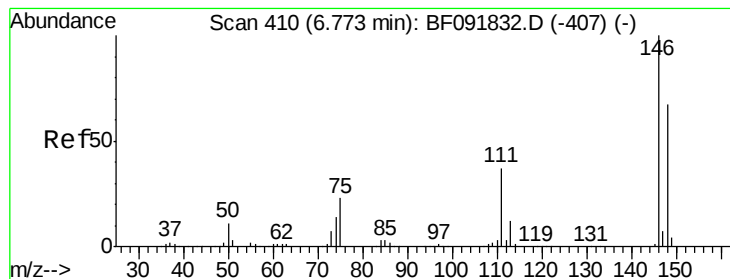
Ion Ratio Lower Upper

93 100

63 83.8 60.4 100.4

95 32.1 12.8 52.8





#12

1,3-Dichlorobenzene

Concen: 12.22 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

Instrument :

BNA_F

ClientSampleId :

MH-0-12FT-COMPMS

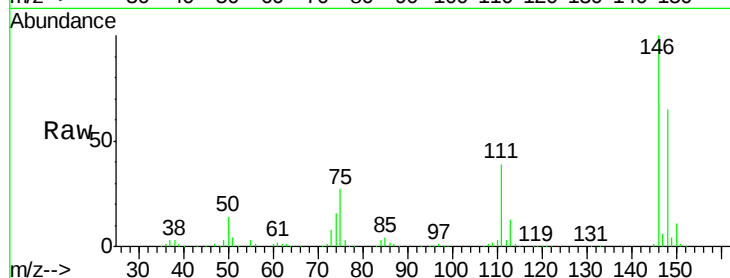
Tgt Ion:146 Resp: 533569

Ion Ratio Lower Upper

146 100

148 65.1 53.4 80.0

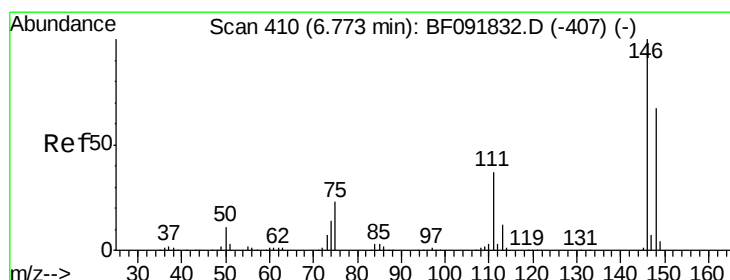
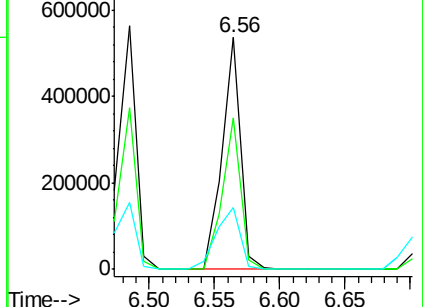
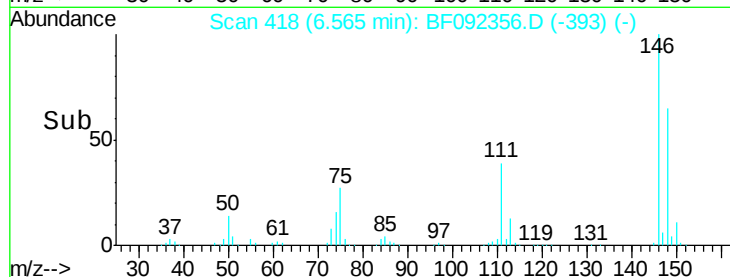
75 26.9 18.5 27.7



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: 10.65 ng

RT: 6.71 min Scan# 431

Delta R.T. 0.05 min

Lab File: BF092356.D

Acq: 18 Jan 2017 17:35

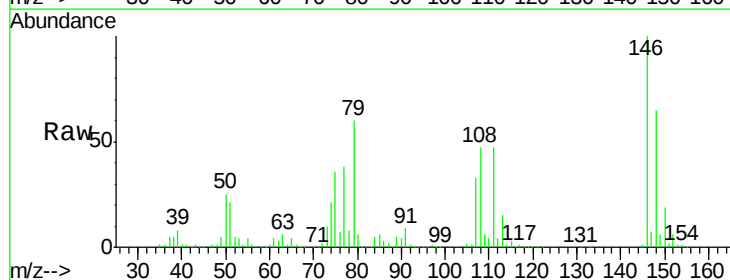
Tgt Ion:146 Resp: 473114

Ion Ratio Lower Upper

146 100

148 64.8 50.6 76.0

111 46.8 36.2 54.4



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

