

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031616\
 Data File : BM004651.D
 Acq On : 17 Mar 2016 00:45
 Operator : UM/SJ
 Sample : H1783-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 17 02:06:10 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM031516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 17 01:59:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	43399	20.00	ng/ul	0.02
18) Naphthalene-d8	10.67	136	324490	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.47	164	178760	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	410085	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	452443	20.00	ng/ul	0.00
86) Perylene-d12	23.70	264	376021	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.34	96	2309	1.84	ng/uL	0.00
5) Phenol-d5	7.00	99	46425	13.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	136732	67.65	ng/ul	0.02
9) 2-Chlorophenol-d4	7.39	132	147975	51.54	ng/ul	0.01
13) 4-Methylphenol-d8	8.55	113	92158	32.06	ng/ul	0.01
19) Nitrobenzene-d5	9.01	128	91465	40.53	ng/ul	0.01
22) 2-Nitrophenol-d4	9.73	143	96856	39.74	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.26	165	166011	34.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	780	0.14	ng/ul	0.02
44) Dimethylphthalate-d6	13.89	166	564375	40.39	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	700552	40.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	15574	5.77	ng/ul	0.00
58) Fluorene-d10	15.47	176	497457	40.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	65609	30.44	ng/ul	0.00
71) Anthracene-d10	17.32	188	794409	42.08	ng/ul	0.00
79) Pyrene-d10	19.61	212	924297	44.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.55	264	800177	47.64	ng/ul	0.00

Target Compounds

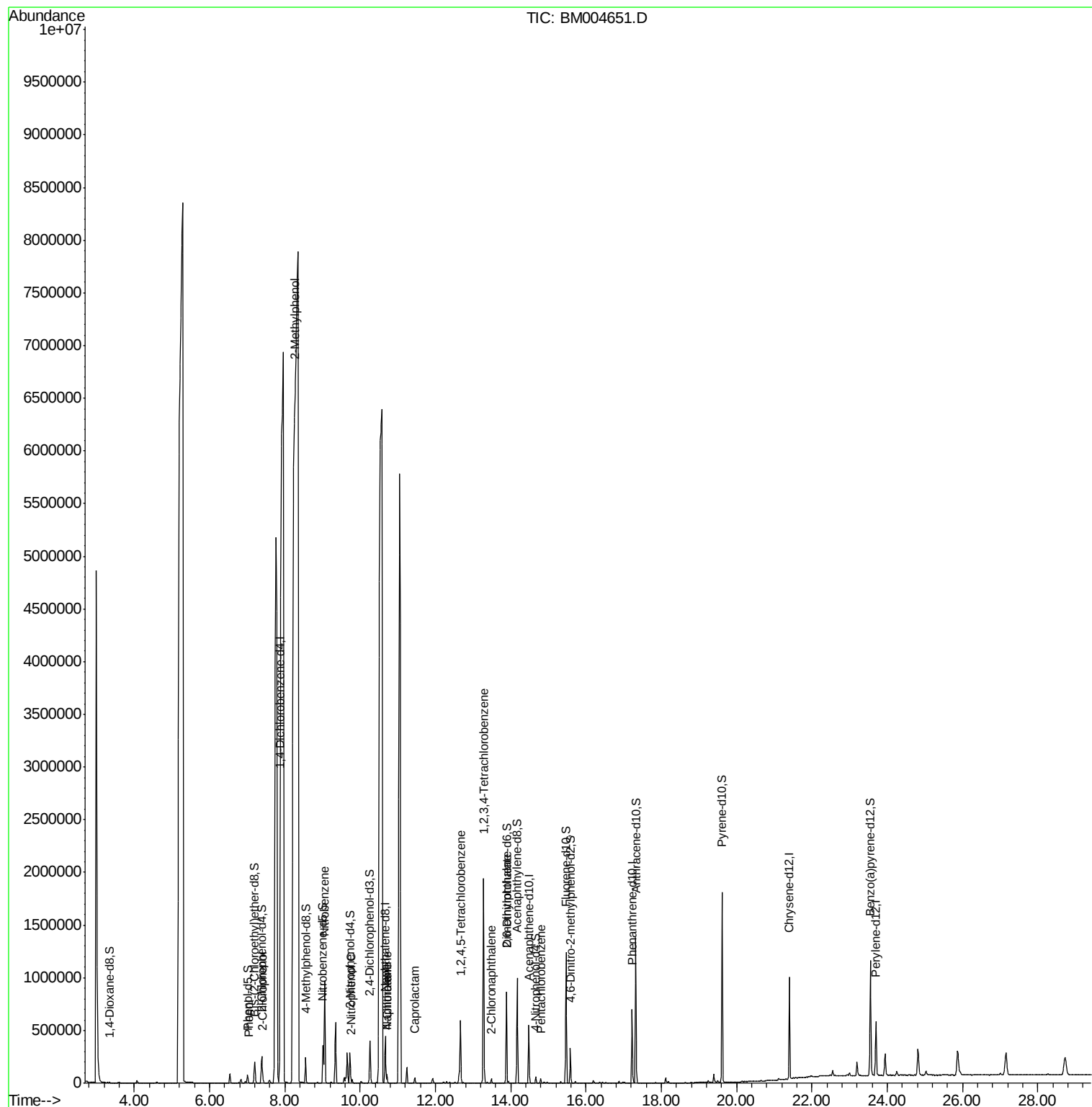
						Ovalue
6) Phenol	7.03	94	5631	1.50	ng/ul	97
10) 2-Chlorophenol	7.42	128	17406	5.74	ng/ul#	89
11) 2-Methylphenol	8.26	108	53881	18.68	ng/ul	91
20) Nitrobenzene	9.06	77	544790	97.83	ng/ul	97
23) 2-Nitrophenol	9.76	139	3245	1.20	ng/ul#	86
28) Naphthalene	10.71	128	65649	3.88	ng/ul	100
30) 4-Chloroaniline	10.71	127	8411	1.40	ng/ul#	9
32) Caprolactam	11.45	113	3564	2.16	ng/ul#	1
37) 1,2,4,5-Tetrachlorobenzene	12.66	216	184712	32.34	ng/ul	99
42) 2-Chloronaphthalene	13.48	162	13152	1.17	ng/ul#	35
46) 2,6-Dinitrotoluene	13.89	165	3999	1.58	ng/ul#	36
73) 1,2,3,4-Tetrachlorobenzene	13.27	216	613787	108.79	ng/uL	99
74) Pentachlorobenzene	14.79	250	11909	2.19	ng/uL	98

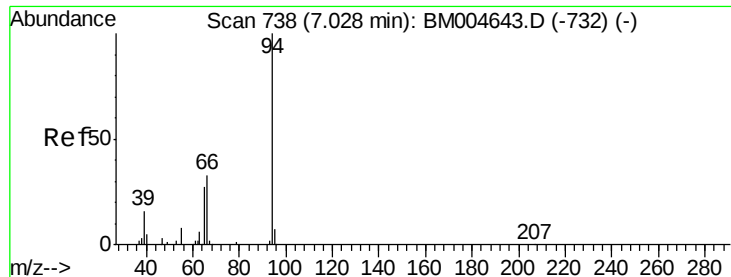
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.50 ng/ul

RT: 7.03 min Scan# 739

Delta R.T. 0.01 min

Lab File: BM004651.D

Acq: 17 Mar 2016 00:45

Instrument :

BNA_M

ClientSampleId :

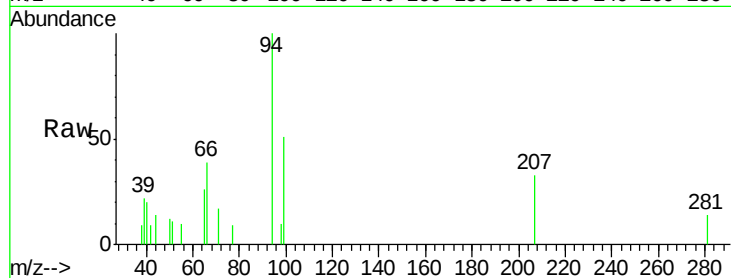
Tot Ion: 94 Resp: 5631

Ion Ratio Lower Upper

94 100

65 26.3 21.0 31.6

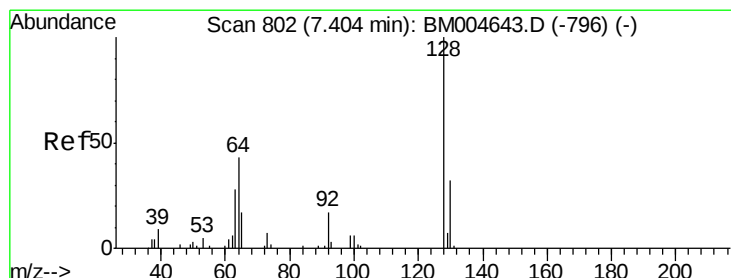
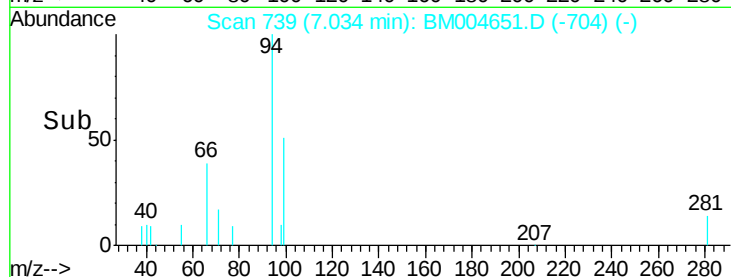
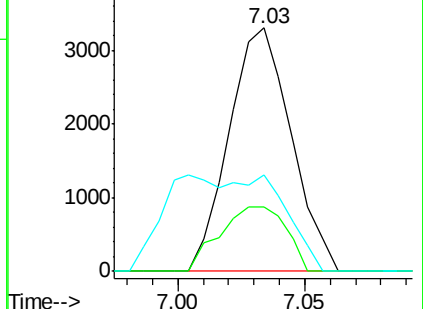
66 39.3 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004643.D (-732) (-)

Ion 65.00 (64.70 to 65.70): BM004643.D (-732) (-)

Ion 66.00 (65.70 to 66.70): BM004643.D (-732) (-)



#10

2-Chlorophenol

Concen: 5.74 ng/ul

RT: 7.42 min Scan# 804

Delta R.T. 0.01 min

Lab File: BM004651.D

Acq: 17 Mar 2016 00:45

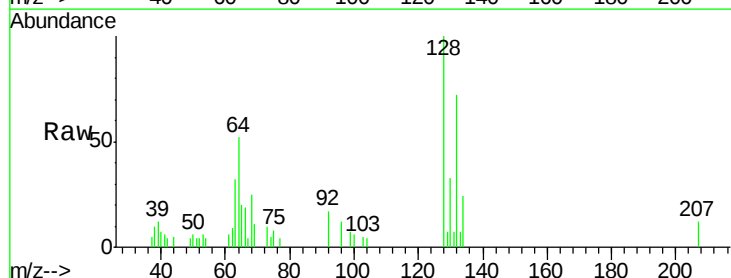
Tgt Ion: 128 Resp: 17406

Ion Ratio Lower Upper

128 100

64 51.7 31.9 47.9#

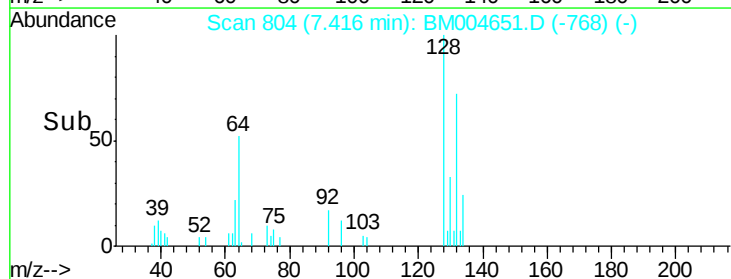
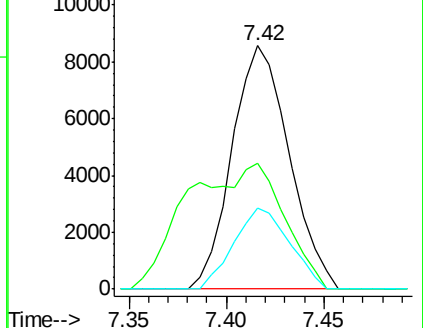
130 33.1 25.6 38.4

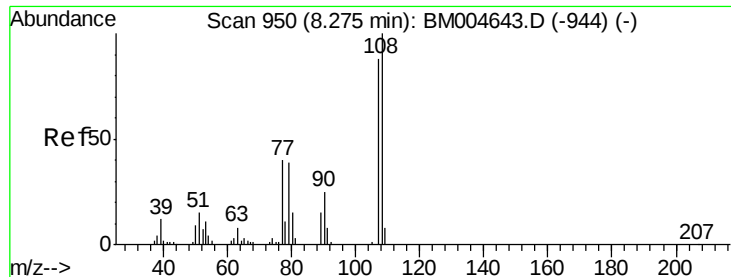


Abundance Ion 128.00 (127.70 to 128.70): BM004643.D (-796) (-)

Ion 64.00 (63.70 to 64.70): BM004643.D (-796) (-)

Ion 130.00 (129.70 to 130.70): BM004643.D (-796) (-)

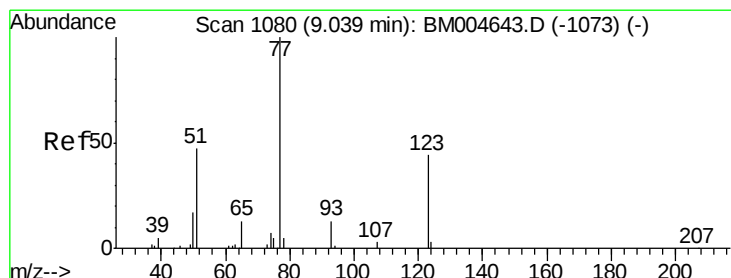
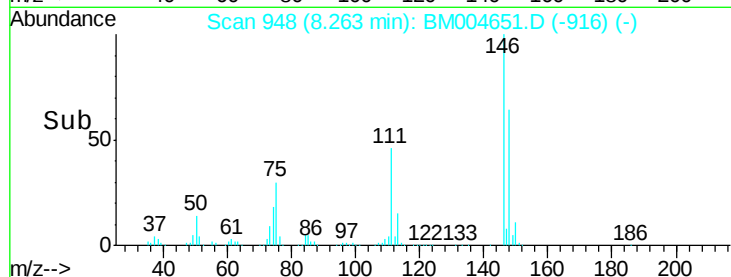
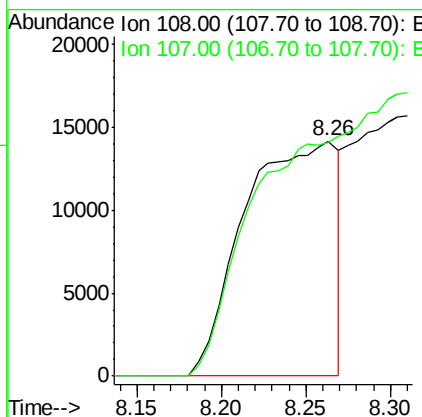
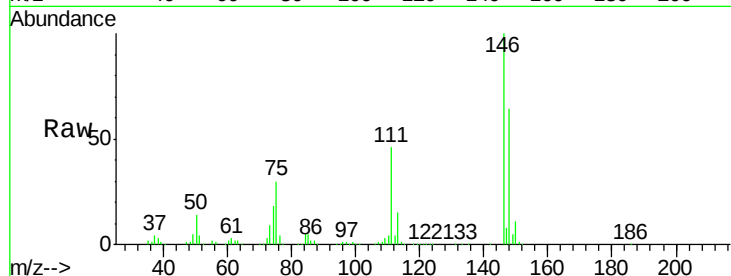




#11
2-Methylphenol
Concen: 18.68 ng/ul
RT: 8.26 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM004651.D
Acq: 17 Mar 2016 00:45

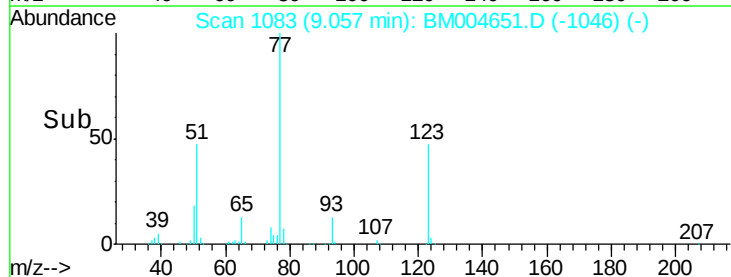
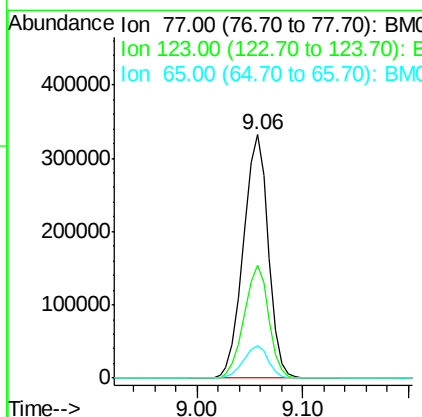
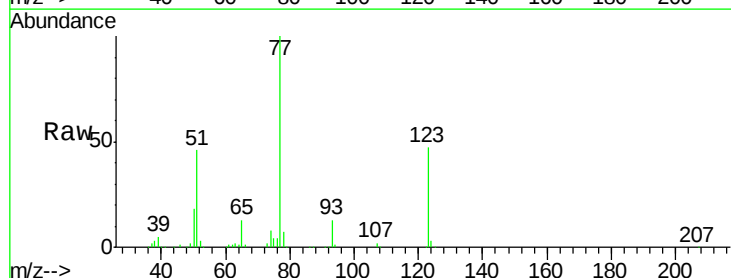
Instrument :
BNA_M
ClientSampleId :

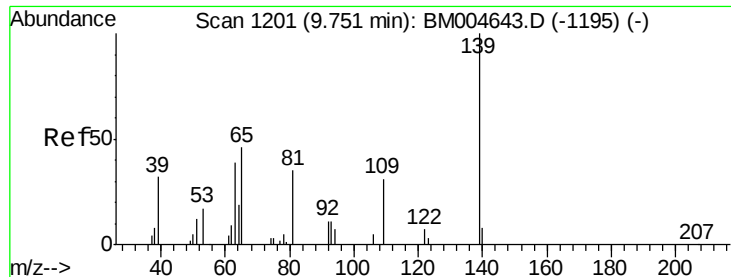
Tot Ion:108 Resp: 53881
Ion Ratio Lower Upper
108 100
107 99.3 72.4 108.6



#20
Nitrobenzene
Concen: 97.83 ng/ul
RT: 9.06 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BM004651.D
Acq: 17 Mar 2016 00:45

Tgt Ion: 77 Resp: 544790
Ion Ratio Lower Upper
77 100
123 46.5 39.0 58.4
65 13.2 10.4 15.6





#23

2-Nitrophenol

Concen: 1.20 ng/ul

RT: 9.76 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BM004651.D

Acq: 17 Mar 2016 00:45

Instrument :

BNA_M

ClientSampleId :

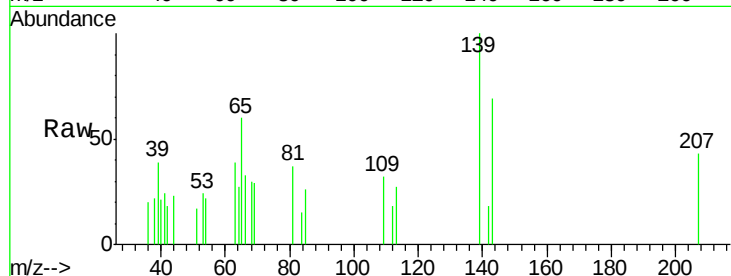
Tot Ion:139 Resp: 3245

Ion Ratio Lower Upper

139 100

65 60.5 36.3 54.5#

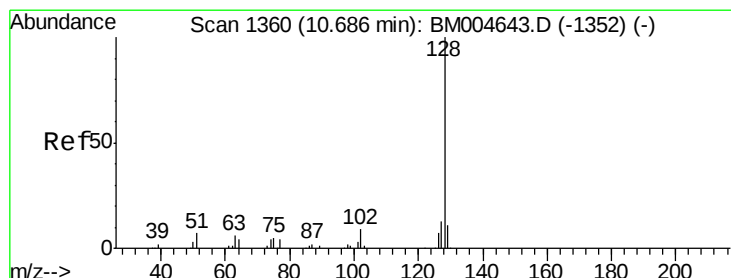
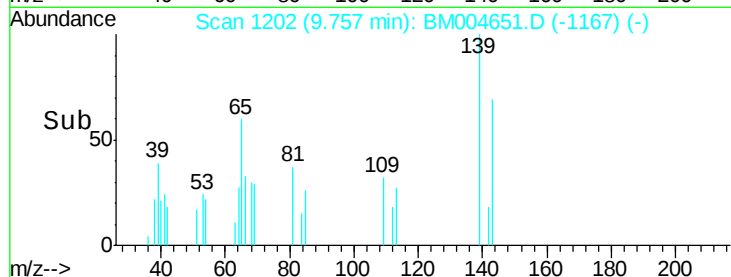
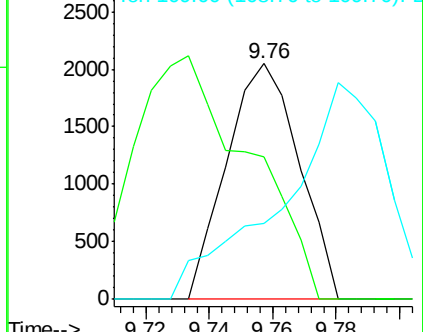
109 32.4 26.4 39.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM0

Ion 109.00 (108.70 to 109.70): E



#28

Naphthalene

Concen: 3.88 ng/ul

RT: 10.71 min Scan# 1364

Delta R.T. 0.02 min

Lab File: BM004651.D

Acq: 17 Mar 2016 00:45

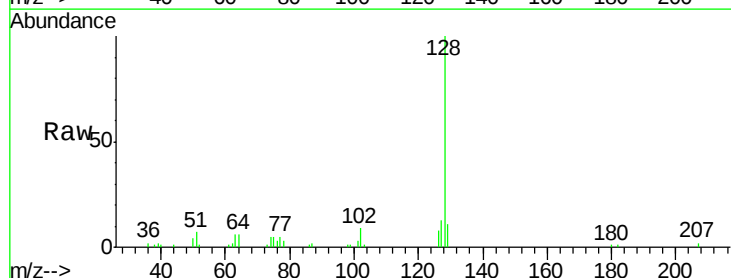
Tgt Ion:128 Resp: 65649

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

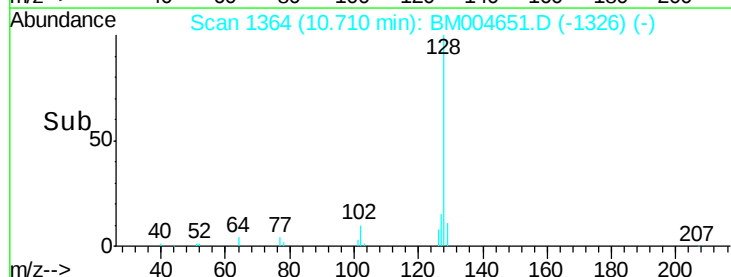
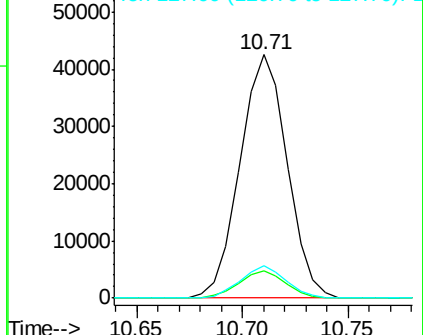
127 13.4 10.5 15.7

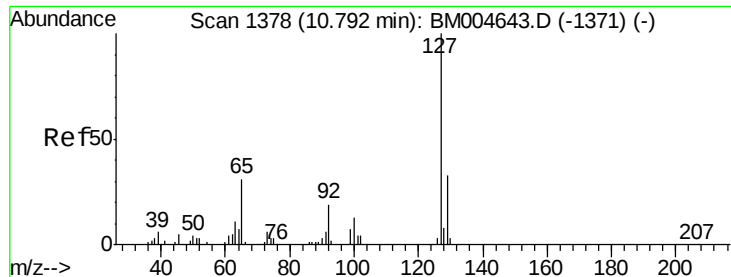


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

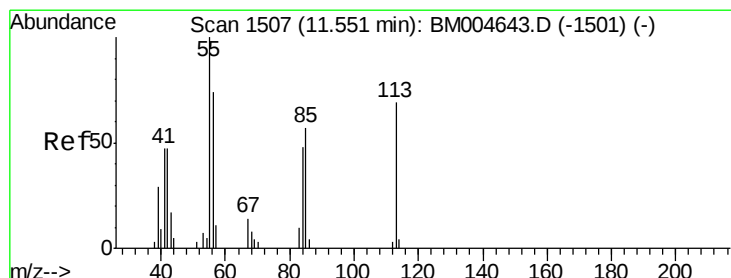
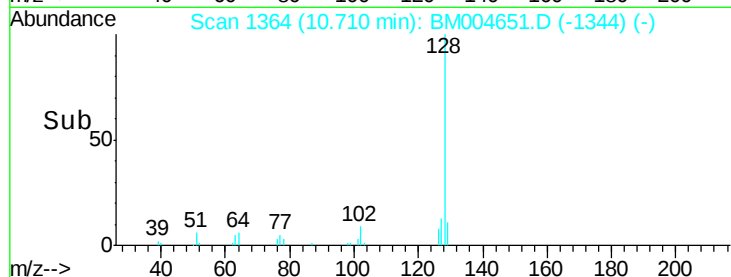
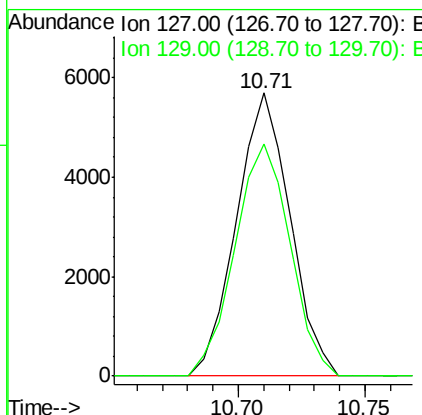
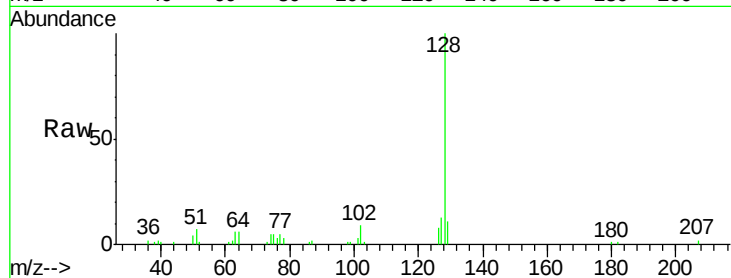




#30
4-Chloroaniline
Concen: 1.40 ng/ul
RT: 10.71 min Scan# 1364
Delta R.T. -0.08 min
Lab File: BM004651.D
Acq: 17 Mar 2016 00:45

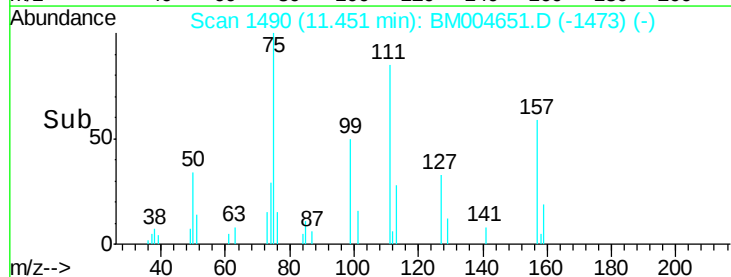
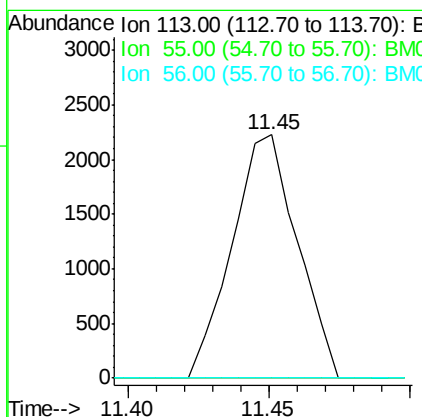
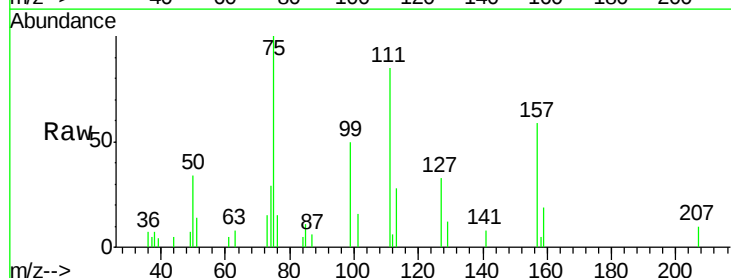
Instrument :
BNA_M
ClientSampleId :

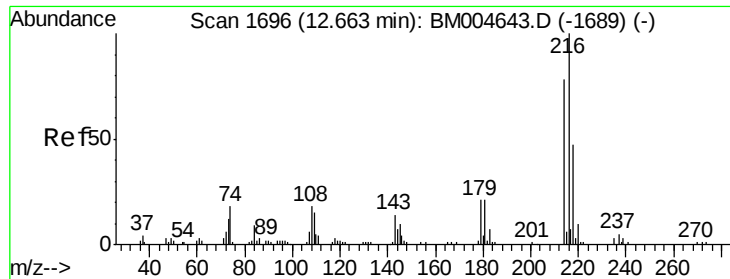
Tot Ion:127 Resp: 8411
Ion Ratio Lower Upper
127 100
129 82.2 25.4 38.2#



#32
Caprolactam
Concen: 2.16 ng/ul
RT: 11.45 min Scan# 1490
Delta R.T. -0.10 min
Lab File: BM004651.D
Acq: 17 Mar 2016 00:45

Tgt Ion:113 Resp: 3564
Ion Ratio Lower Upper
113 100
55 0.0 101.9 152.9#
56 0.0 81.2 121.8#

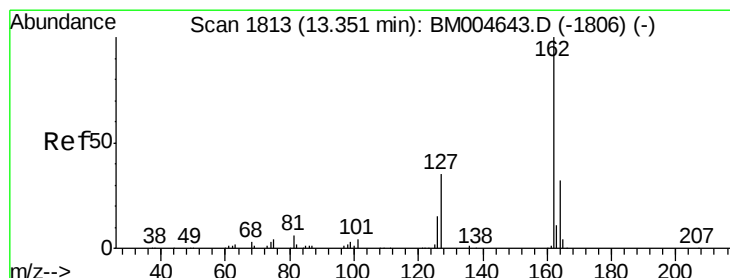
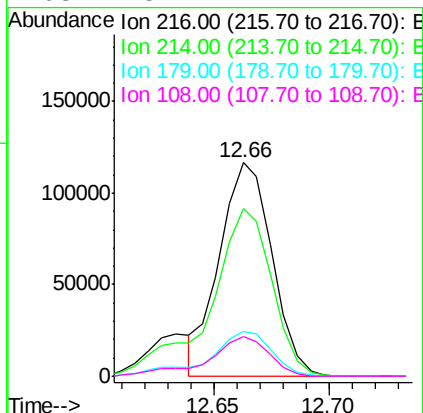
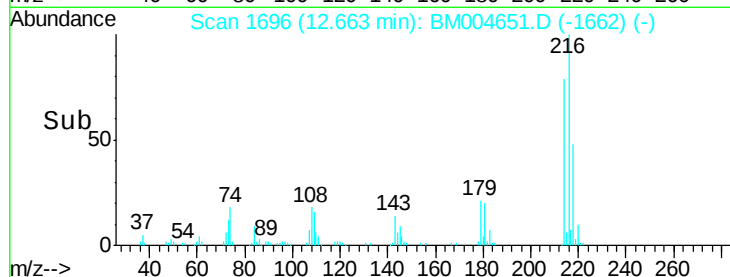
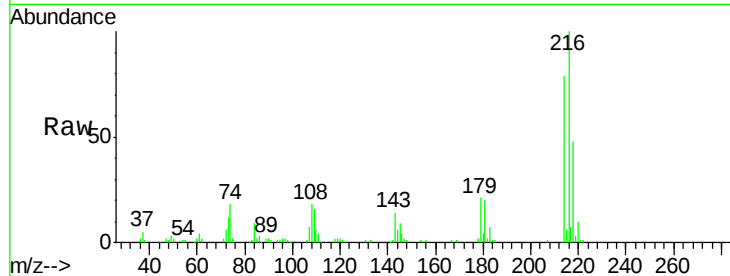




#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 32.34 ng/ul
 RT: 12.66 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: BM004651.D
 Acq: 17 Mar 2016 00:45

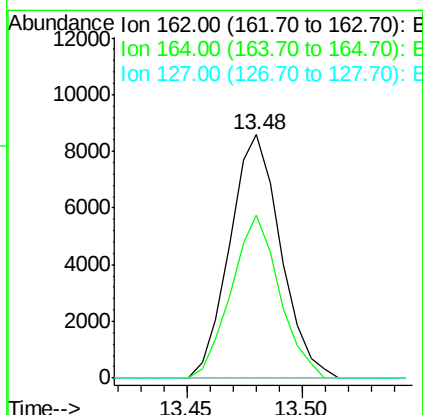
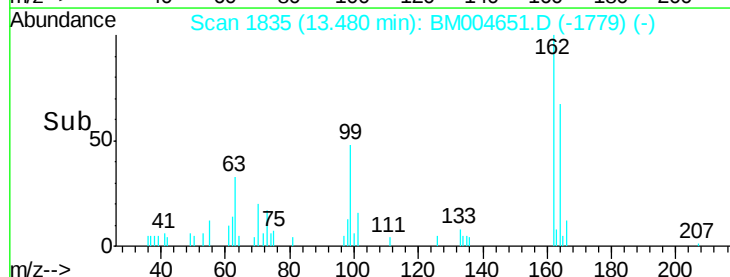
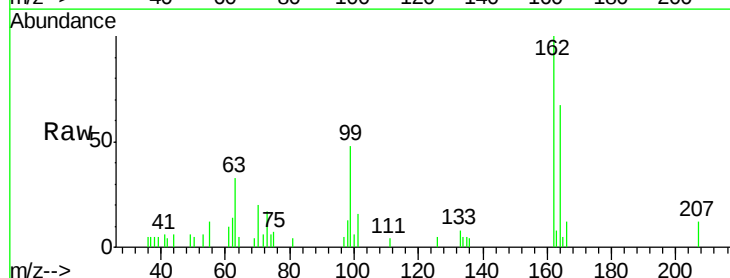
Instrument :
 BNA_M
 ClientSampleId :

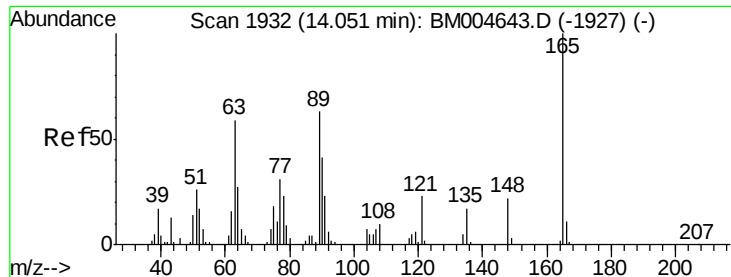
Tot Ion:216	Resp:	184712
Ion Ratio	Lower	Upper
216	100	
214	78.6	62.5 93.7
179	20.8	18.2 27.2
108	18.4	14.2 21.2



#42
 2-Chloronaphthalene
 Concen: 1.17 ng/ul
 RT: 13.48 min Scan# 1835
 Delta R.T. 0.13 min
 Lab File: BM004651.D
 Acq: 17 Mar 2016 00:45

Tgt Ion:162	Resp:	13152
Ion Ratio	Lower	Upper
162	100	
164	66.9	25.9 38.9#
127	0.0	34.1 51.1#

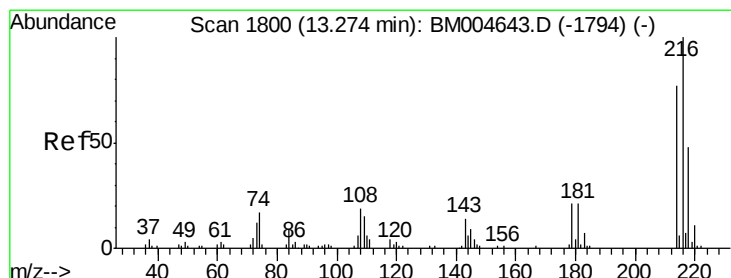
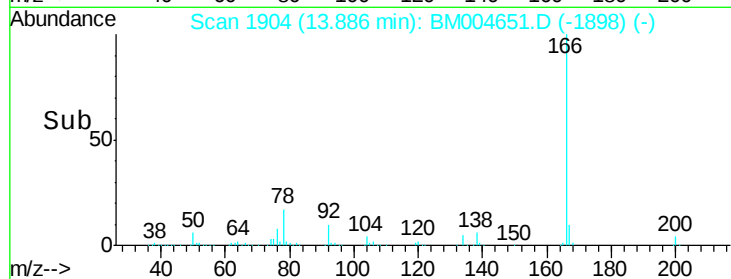
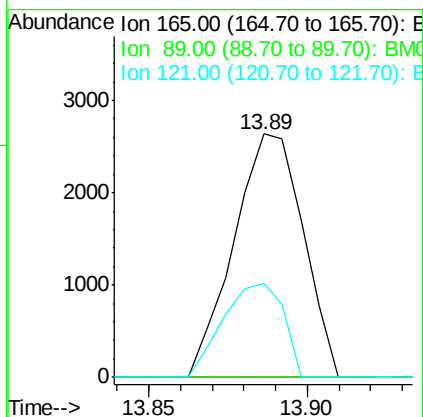
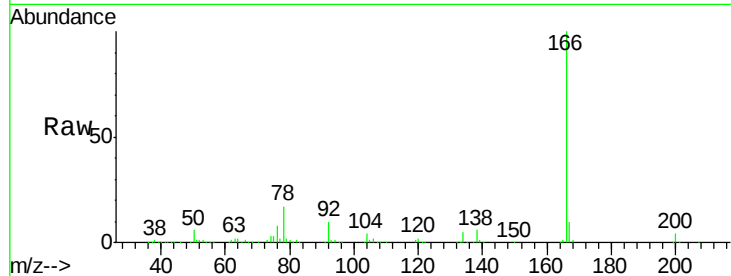




#46
 2,6-Dinitrotoluene
 Concen: 1.58 ng/ul
 RT: 13.89 min Scan# 1904
 Delta R.T. -0.16 min
 Lab File: BM004651.D
 Acq: 17 Mar 2016 00:45

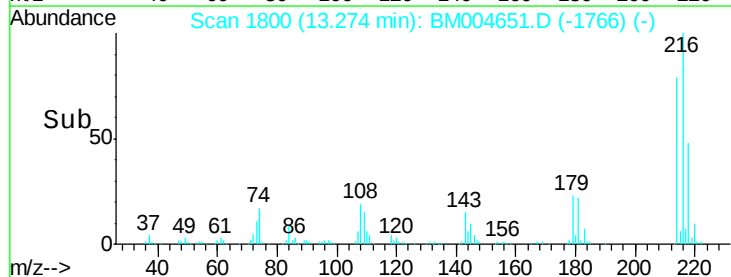
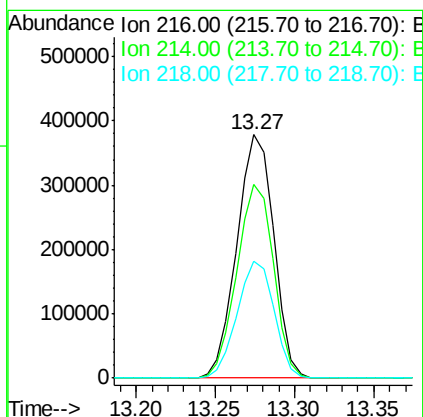
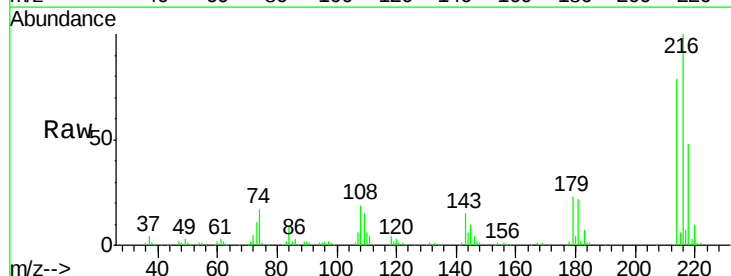
Instrument :
 BNA_M
 ClientSampleId :

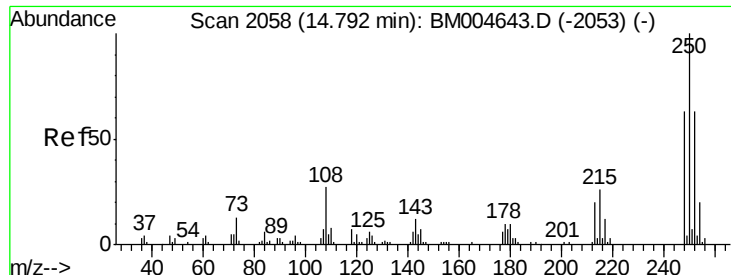
Tot Ion:165 Resp: 3999
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.4 63.6#
 121 38.5 16.6 24.8#



#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 108.79 ng/uL
 RT: 13.27 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BM004651.D
 Acq: 17 Mar 2016 00:45

Tgt Ion:216 Resp: 613787
 Ion Ratio Lower Upper
 216 100
 214 79.5 62.5 93.7
 218 48.0 38.4 57.6





#74

Pentachlorobenzene

Concen: 2.19 ng/uL

RT: 14.79 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM004651.D

Acq: 17 Mar 2016 00:45

Instrument :

BNA_M

ClientSampleId :

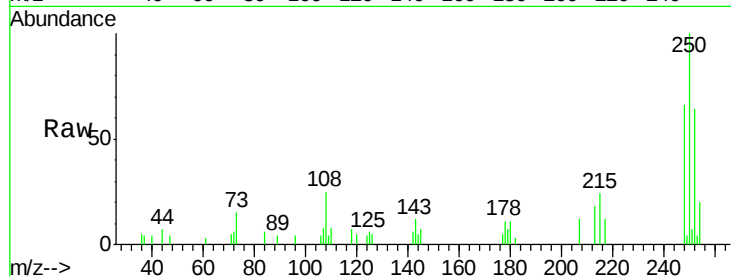
Tot Ion:250 Resp: 11909

Ion Ratio Lower Upper

250 100

248 65.6 50.6 75.8

252 63.9 51.4 77.0



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

