

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
 Data File : BM005254.D
 Acq On : 06 May 2016 02:58
 Operator : UM/SJ
 Sample : H2813-11
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7T1

Quant Time: May 06 05:54:42 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 06 04:17:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	107508	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	509355	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	326970	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	771333	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	883364	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	867141	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	2229	0.97	ng/uL	0.00
5) Phenol-d5	6.95	99	49788	5.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	139913	25.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	149193	20.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.48	113	103800	12.88	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	101237	27.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	115928	28.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	192833	25.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	6823	0.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	698525	26.65	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	836372	27.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	24217	5.06	ng/ul	0.00
57) Fluorene-d10	15.41	176	615349	27.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	118936	27.41	ng/ul	0.00
70) Anthracene-d10	17.26	188	959657	28.15	ng/ul	0.00
76) Pyrene-d10	19.56	212	1093804	26.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	1091089	28.43	ng/ul	0.00

Target Compounds

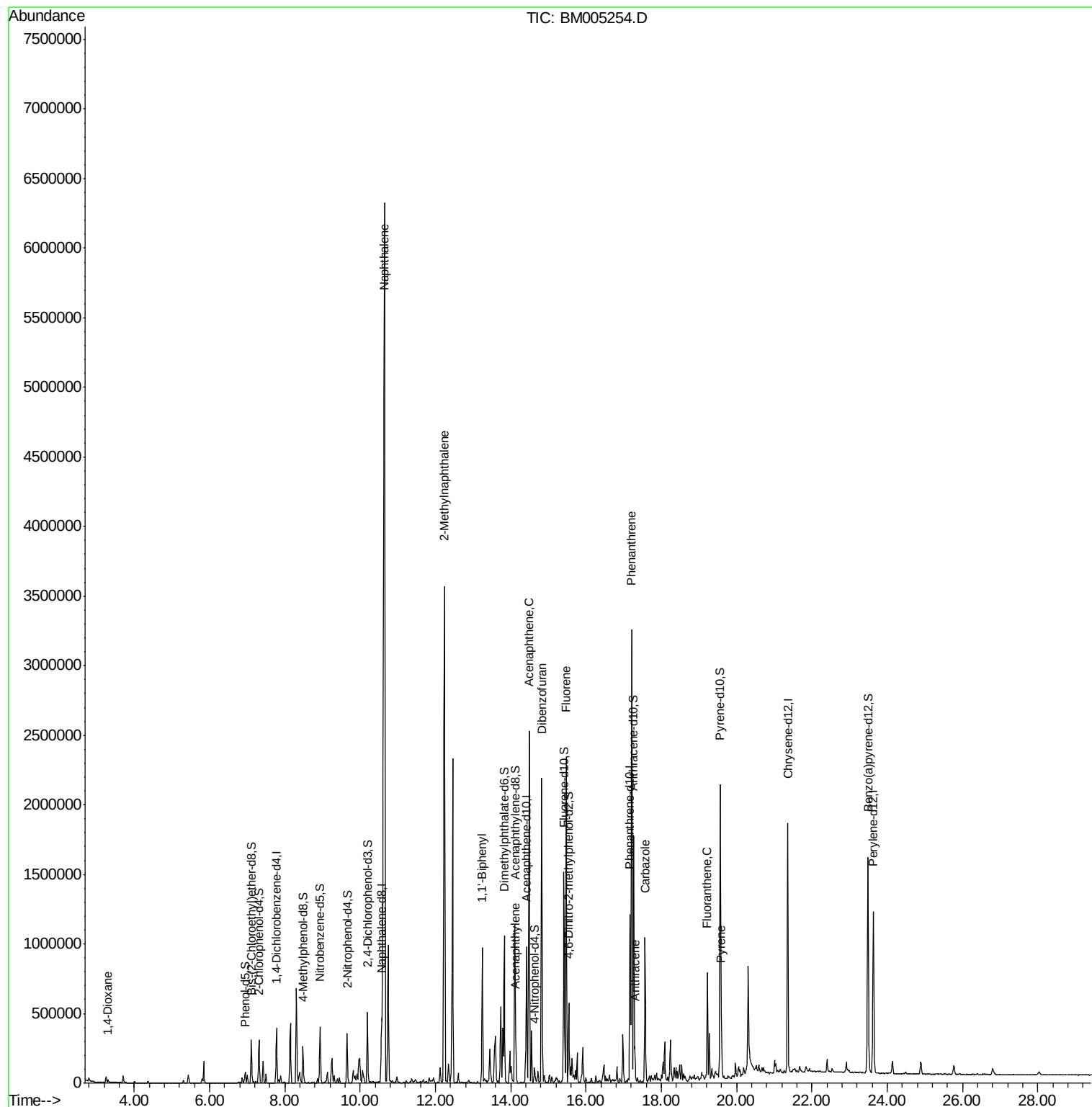
						Qvalue
2) 1,4-Dioxane	3.30	88	10975	2.63	ng/uL	98
28) Naphthalene	10.65	128	8711594	339.93	ng/ul	98
34) 2-Methylnaphthalene	12.23	142	1946167	101.53	ng/ul	100
40) 1,1'-Biphenyl	13.24	154	514972	19.88	ng/ul	99
47) Acenaphthylene	14.13	152	116670	3.59	ng/ul#	95
49) Acenaphthene	14.49	153	1124410	52.46	ng/ul	99
53) Dibenzofuran	14.82	168	1435055	46.15	ng/ul	97
58) Fluorene	15.47	166	1086097	44.67	ng/ul	99
69) Phenanthrene	17.21	178	2112611	52.09	ng/ul	99
71) Anthracene	17.30	178	158229	3.91	ng/ul	99
72) Carbazole	17.57	167	667718	18.77	ng/ul	99
74) Fluoranthene	19.22	202	443151	9.86	ng/ul	99
77) Pyrene	19.59	202	271024	5.29	ng/ul	97

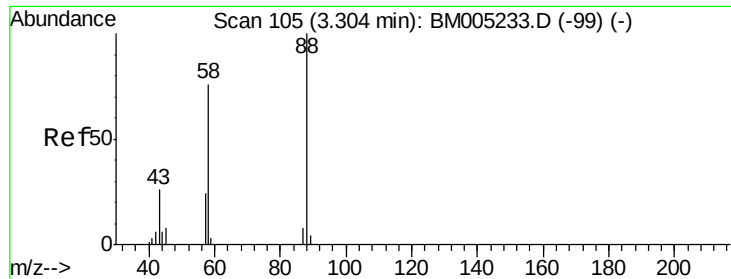
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.63 ng/uL

RT: 3.30 min Scan# 105

Delta R.T. 0.00 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

Instrument :

BNA_M

ClientSampleId :

BC7T1

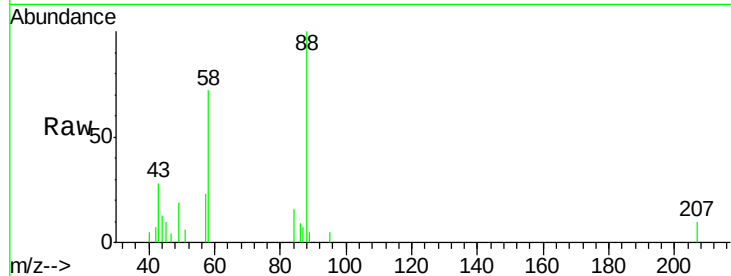
Tgt Ion: 88 Resp: 10975

Ion Ratio Lower Upper

88 100

43 24.8 19.3 28.9

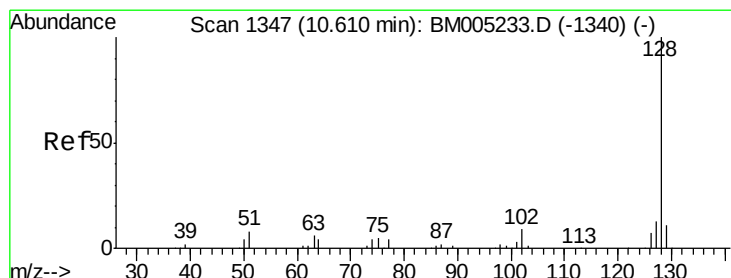
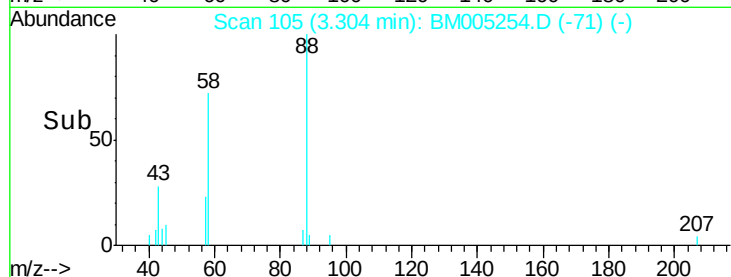
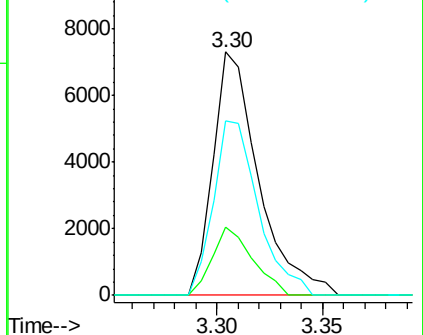
58 70.3 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): BM005233.D (-99) (-)

Ion 43.00 (42.70 to 43.70): BM005233.D (-99) (-)

Ion 58.00 (57.70 to 58.70): BM005233.D (-99) (-)



#28

Naphthalene

Concen: 339.93 ng/uL

RT: 10.65 min Scan# 1353

Delta R.T. 0.04 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

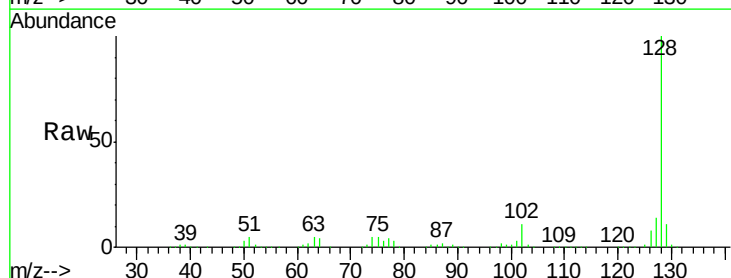
Tgt Ion: 128 Resp: 8711594

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

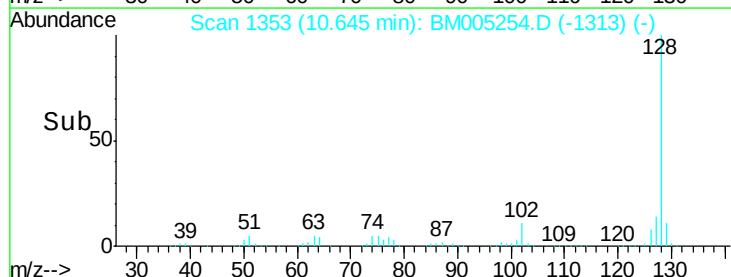
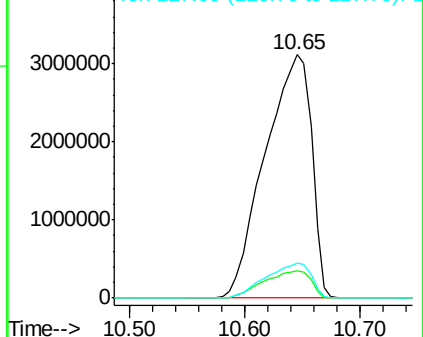
127 14.3 10.8 16.2

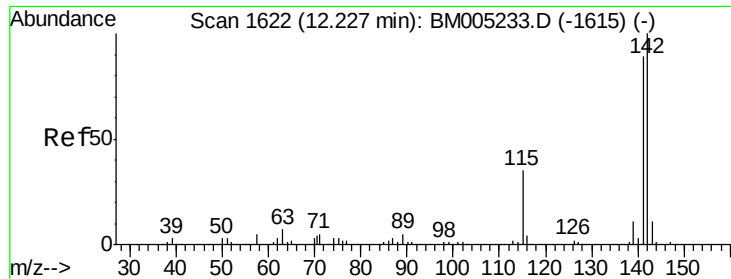


Abundance Ion 128.00 (127.70 to 128.70): BM005233.D (-1340) (-)

Ion 129.00 (128.70 to 129.70): BM005233.D (-1340) (-)

Ion 127.00 (126.70 to 127.70): BM005233.D (-1340) (-)

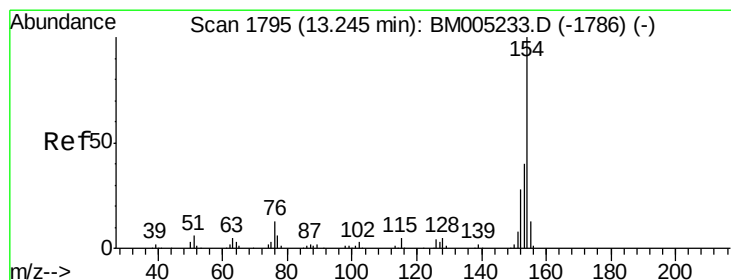
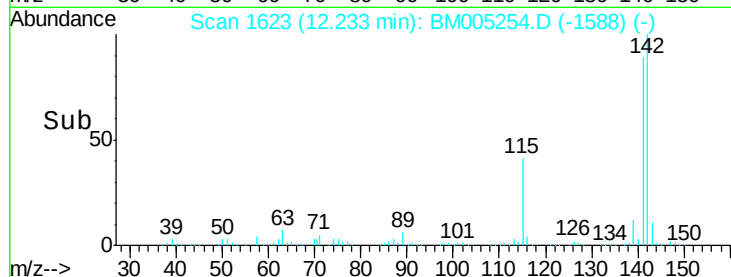
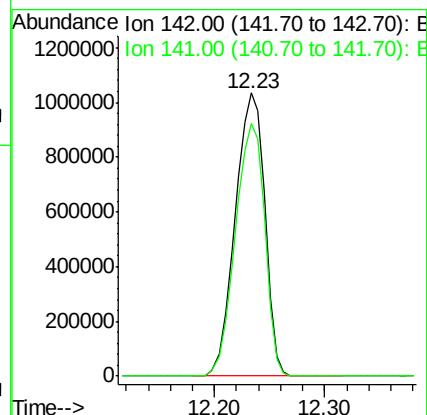
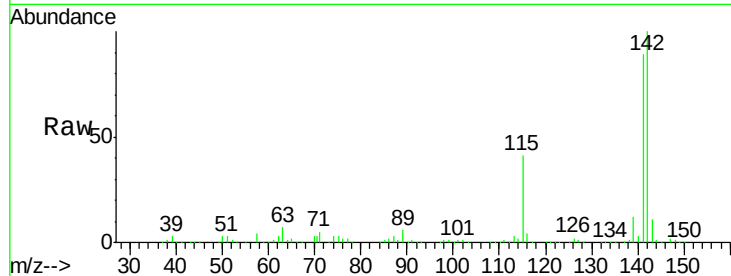




#34
 2-Methylnaphthalene
 Concen: 101.53 ng/ul
 RT: 12.23 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BM005254.D
 Acq: 06 May 2016 02:58

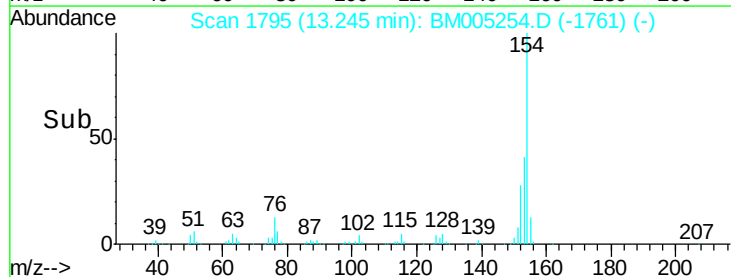
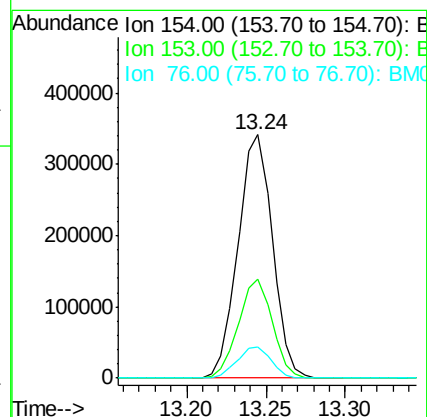
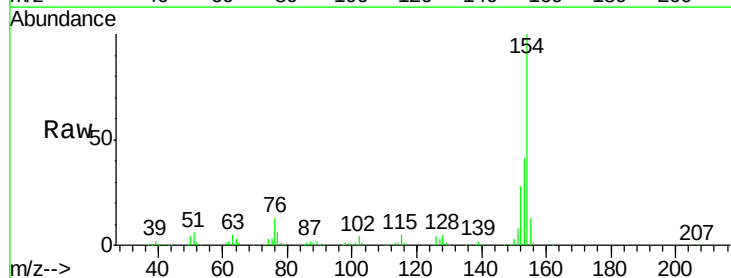
Instrument :
 BNA_M
 ClientSampleId :
 BC7T1

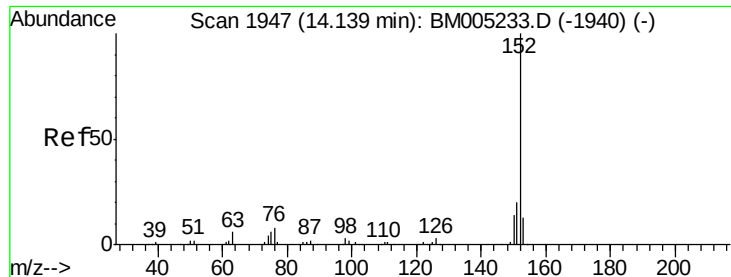
Tgt Ion:142 Resp: 1946167
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.3 106.9



#40
 1,1'-Biphenyl
 Concen: 19.88 ng/ul
 RT: 13.24 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: BM005254.D
 Acq: 06 May 2016 02:58

Tgt Ion:154 Resp: 514972
 Ion Ratio Lower Upper
 154 100
 153 40.9 32.1 48.1
 76 12.7 10.6 15.8





#47

Acenaphthylene

Concen: 3.59 ng/ul

RT: 14.13 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

Instrument :

BNA_M

ClientSampleId :

BC7T1

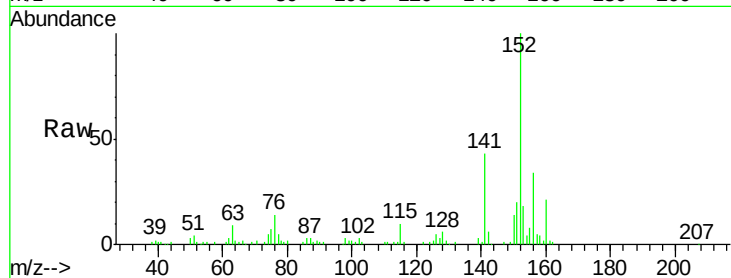
Tgt Ion:152 Resp: 116670

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

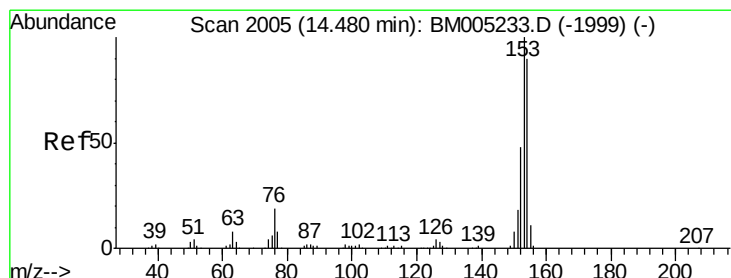
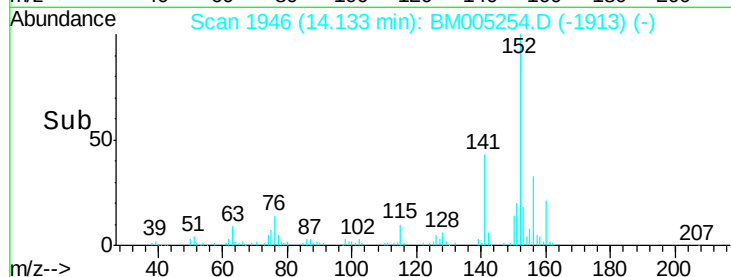
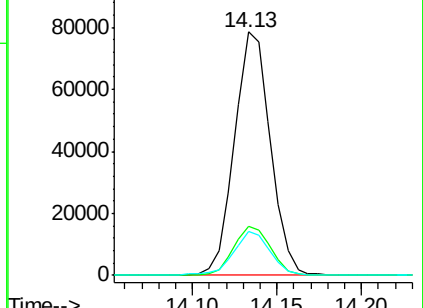
153 18.1 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 52.46 ng/ul

RT: 14.49 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

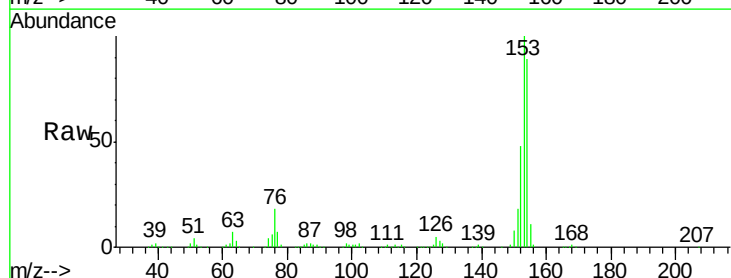
Tgt Ion:153 Resp: 1124410

Ion Ratio Lower Upper

153 100

152 47.9 38.9 58.3

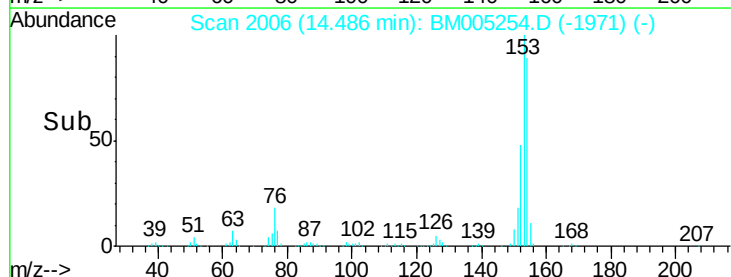
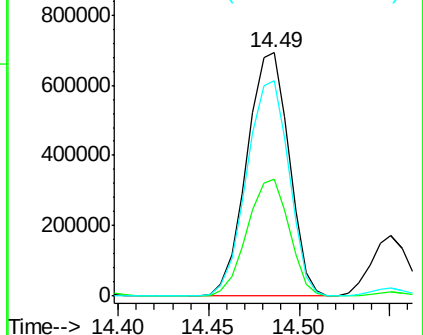
154 88.6 70.3 105.5

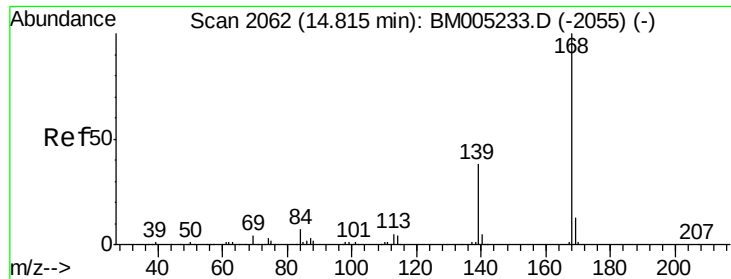


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 46.15 ng/ul

RT: 14.82 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

Instrument :

BNA_M

ClientSampleId :

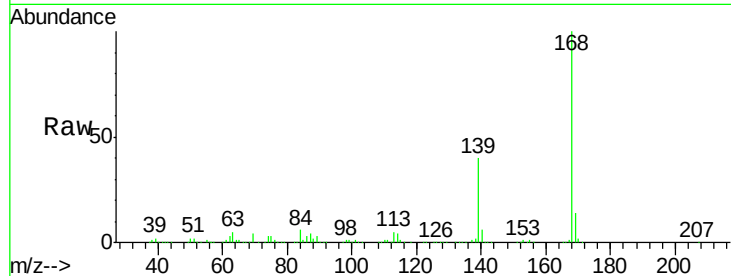
BC7T1

Tgt Ion:168 Resp: 1435055

Ion Ratio Lower Upper

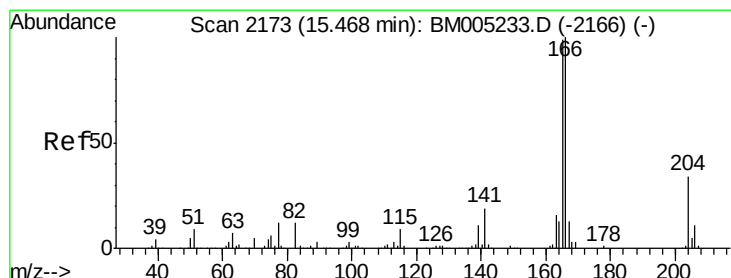
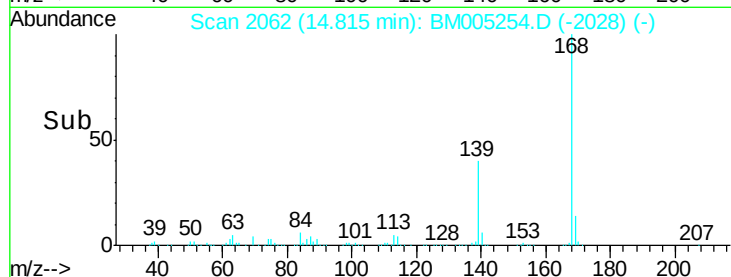
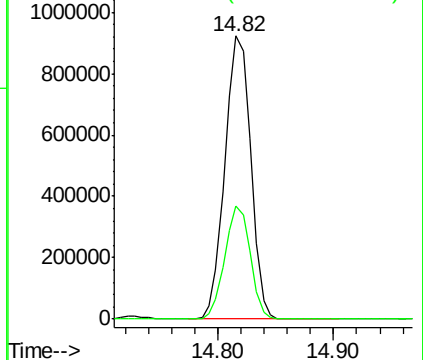
168 100

139 40.0 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 44.67 ng/ul

RT: 15.47 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

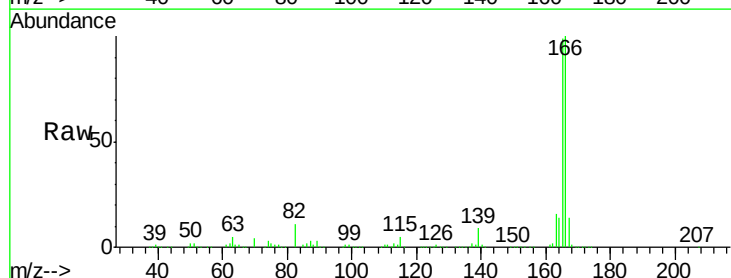
Tgt Ion:166 Resp: 1086097

Ion Ratio Lower Upper

166 100

165 98.7 77.9 116.9

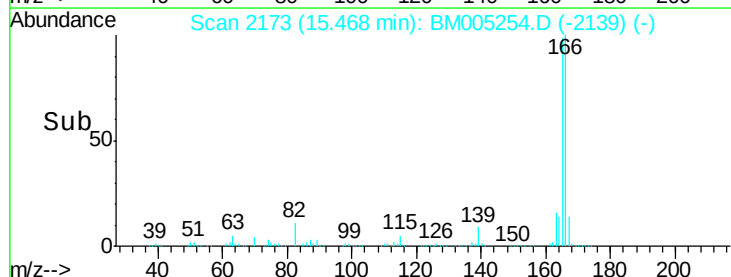
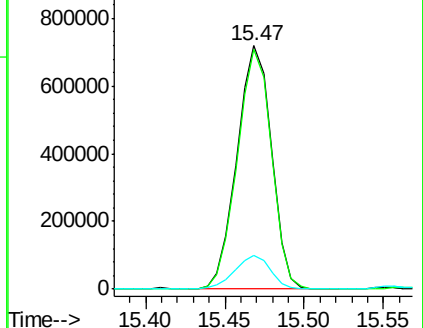
167 13.6 10.6 16.0

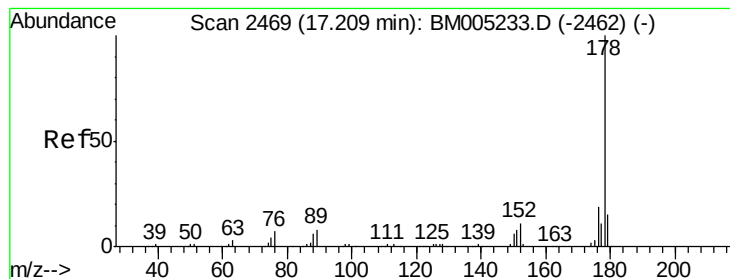


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 52.09 ng/ul

RT: 17.21 min Scan# 2469

Delta R.T. 0.00 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

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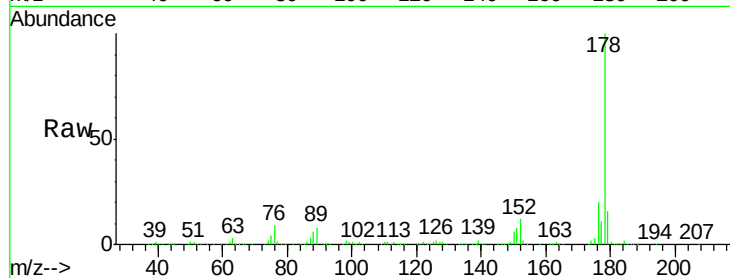
Tgt Ion:178 Resp: 2112611

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

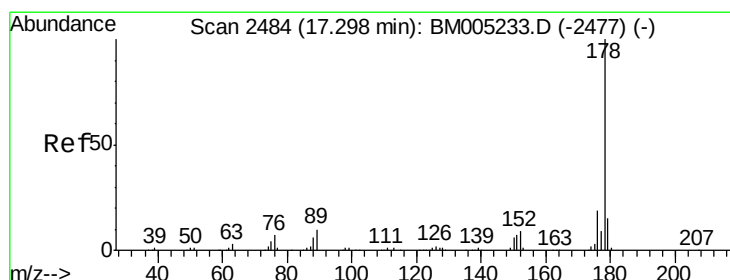
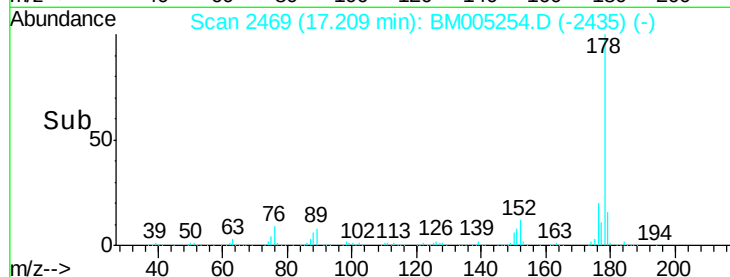
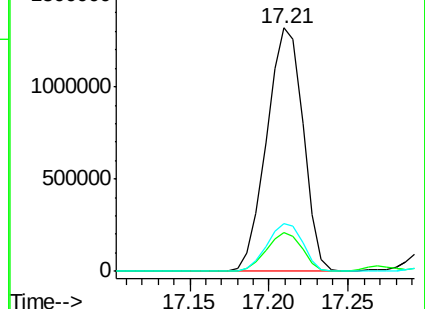
176 19.6 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.91 ng/ul

RT: 17.30 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

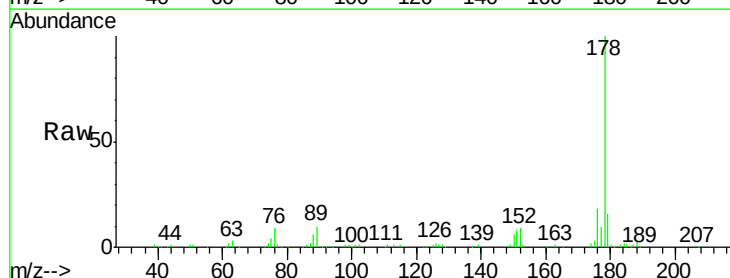
Tgt Ion:178 Resp: 158229

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

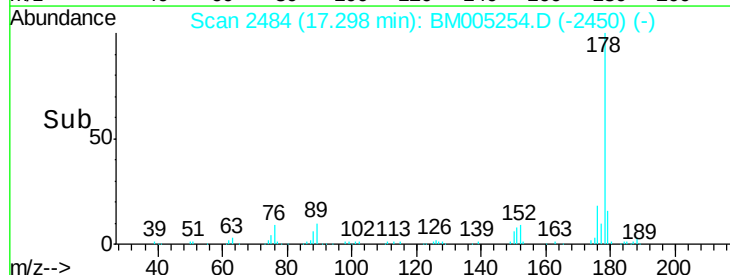
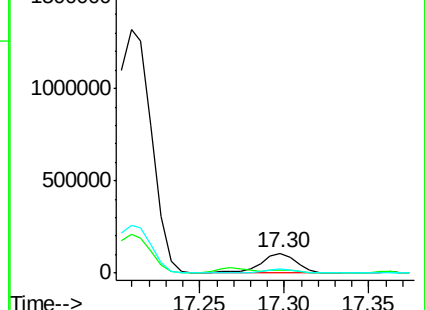
176 18.2 15.1 22.7

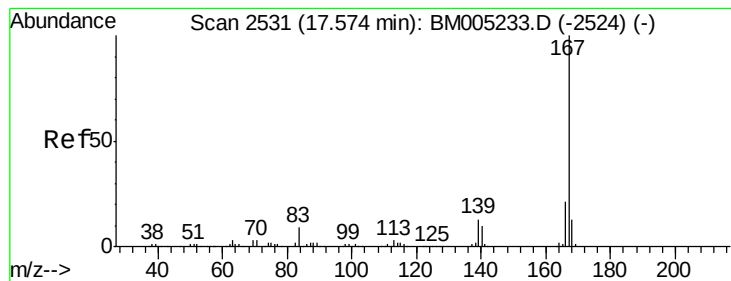


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 18.77 ng/ul

RT: 17.57 min Scan# 2530

Delta R.T. -0.01 min

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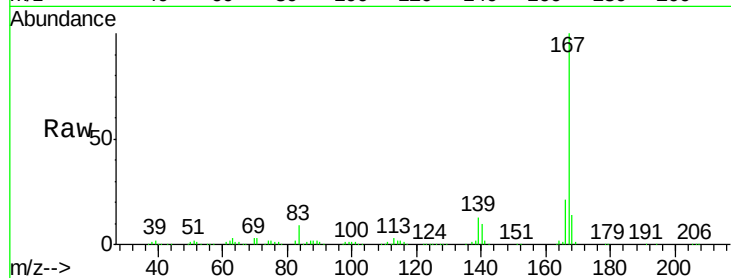
Tgt Ion:167 Resp: 667718

Ion Ratio Lower Upper

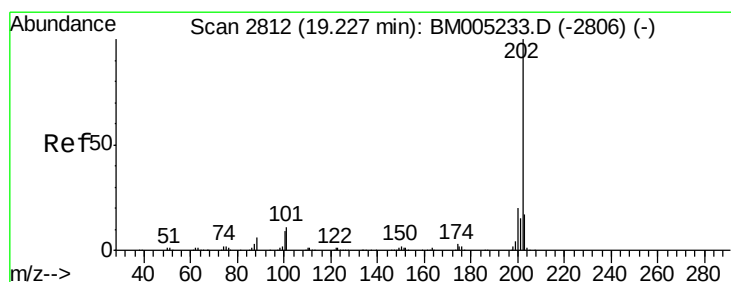
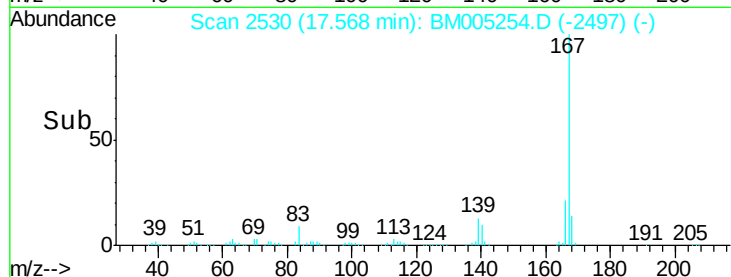
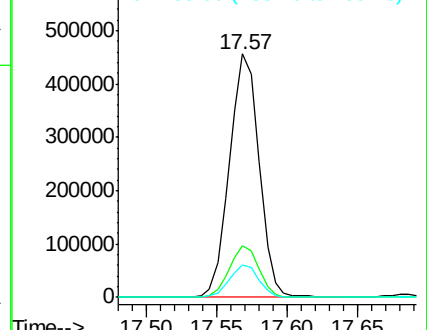
167 100

166 21.2 17.1 25.7

139 13.2 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 9.86 ng/ul

RT: 19.22 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

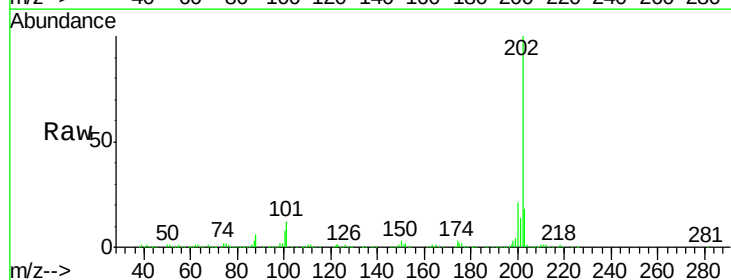
Tgt Ion:202 Resp: 443151

Ion Ratio Lower Upper

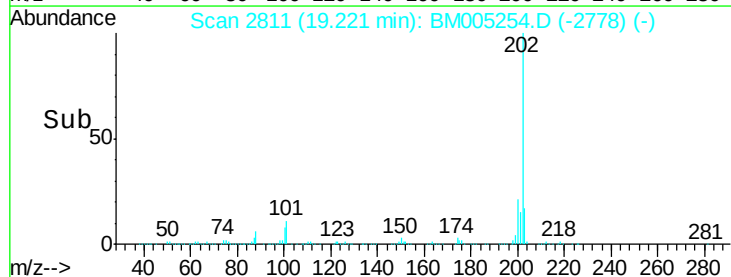
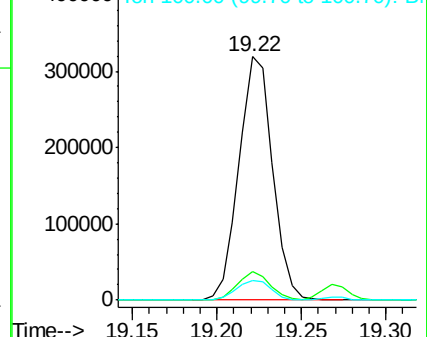
202 100

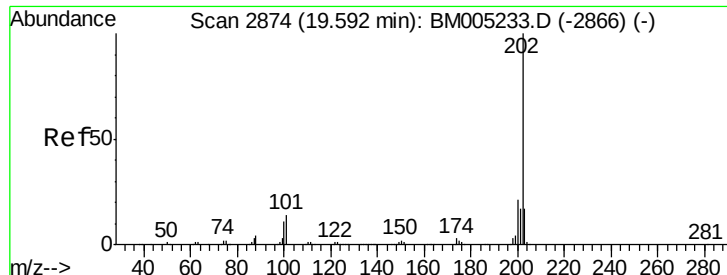
101 11.6 9.2 13.8

100 8.3 7.1 10.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 5.29 ng/ul

RT: 19.59 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BM005254.D

Acq: 06 May 2016 02:58

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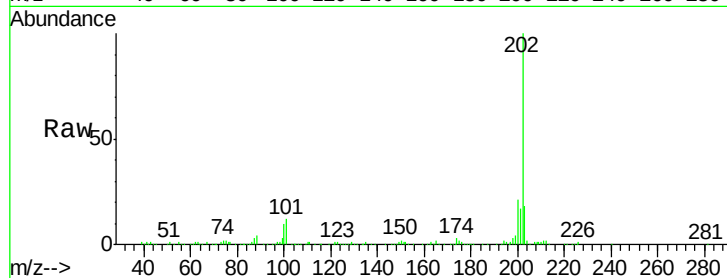
Tgt Ion:202 Resp: 271024

Ion Ratio Lower Upper

202 100

101 12.1 10.8 16.2

100 9.8 8.4 12.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

