

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022916\
 Data File : BM004487.D
 Acq On : 01 Mar 2016 02:00
 Operator : SJ/UM
 Sample : H1509-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1

Quant Time: Mar 01 05:18:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 00:52:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	18400	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	73645	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	39351	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	82344	5.00	ng	0.00
26) Chrysene-d12	21.23	240	70851	5.00	ng	-0.01
35) Perylene-d12	23.45	264	67529	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	13062	3.05	ng	0.00
5) Phenol-d6	6.81	99	9122	1.89	ng	0.00
8) Nitrobenzene-d5	8.77	82	17432	4.65	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	13870	9.17	ng	-0.03
15) 2-Fluorobiphenyl	12.88	172	57972	4.81	ng	0.00
29) Terphenyl-d14	19.67	244	50172	5.50	ng	0.00

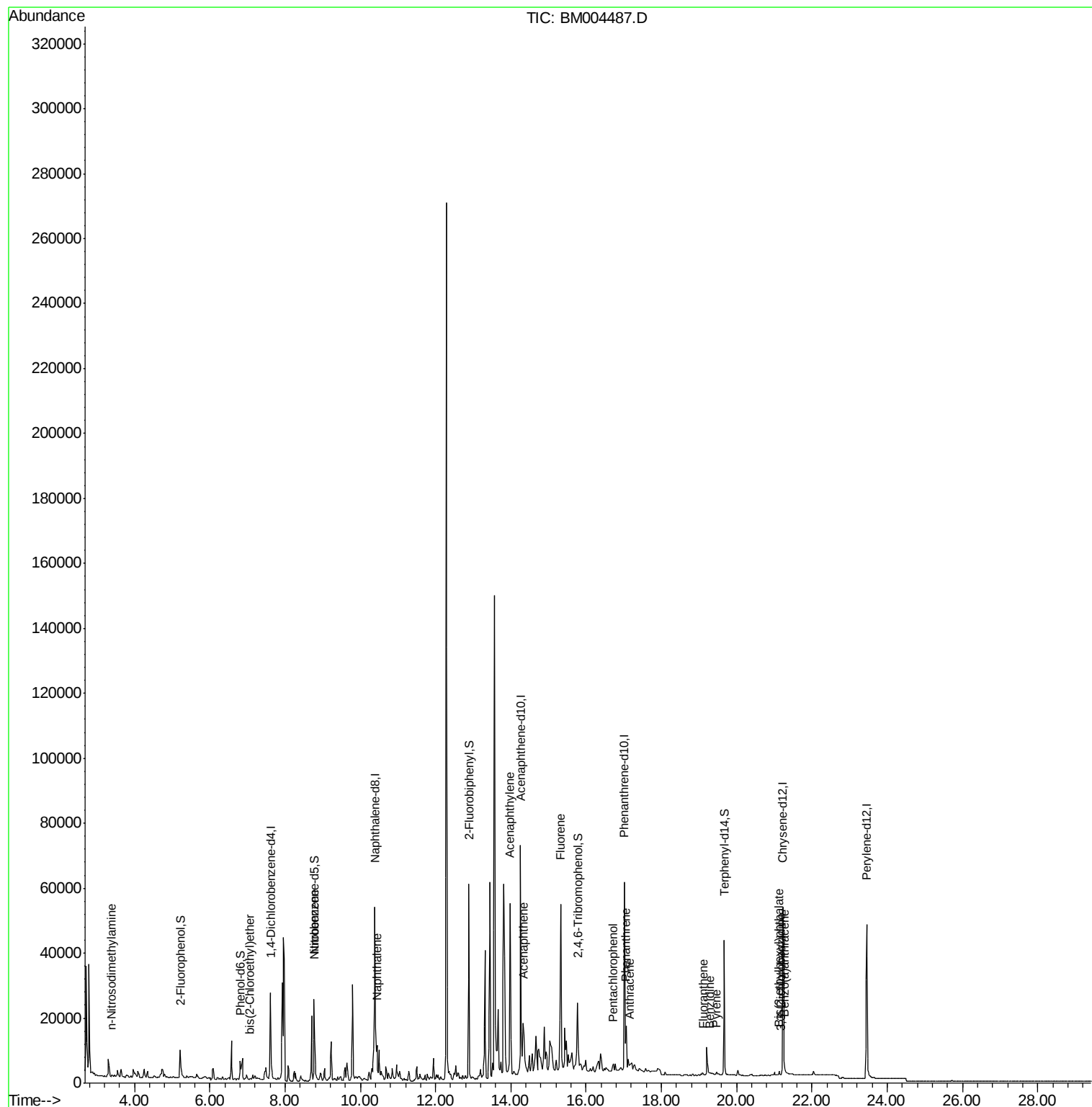
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.40	42	593	0.32	ng	# 1
6) bis(2-Chloroethyl)ether	7.07	93	233	0.05	ng	# 1
9) Nitrobenzene	8.78	77	7894	1.56	ng	# 35
10) Naphthalene	10.44	128	11884	0.55	ng	# 51
16) Acenaphthylene	13.97	152	7778	0.35	ng	# 1
17) Acenaphthene	14.33	154	10597	0.72	ng	# 65
18) Fluorene	15.33	166	36183	2.01	ng	# 97
20) 4-Bromophenyl-phenylether	16.17	248	38	Below Cal		# 1
22) Pentachlorophenol	16.70	266	1659	1.84	ng	# 90
23) Phenanthrene	17.06	178	18187	0.68	ng	# 87
24) Anthracene	17.16	178	2976	0.12	ng	# 73
25) Fluoranthene	19.11	202	718	0.02	ng	# 79
27) Benzidine	19.29	184	310	0.35	ng	# 1
28) Pyrene	19.47	202	860	0.03	ng	# 68
30) Benzo(a)anthracene	21.27	228	3417	0.13	ng	# 83
31) 3,3'-Dichlorobenzidine	21.16	252	73	0.14	ng	# 56
32) Chrysene	21.27	228	3602	Below Cal		# 84
33) Bis(2-ethylhexyl)phthalate	21.12	149	1947	0.10	ng	# 95

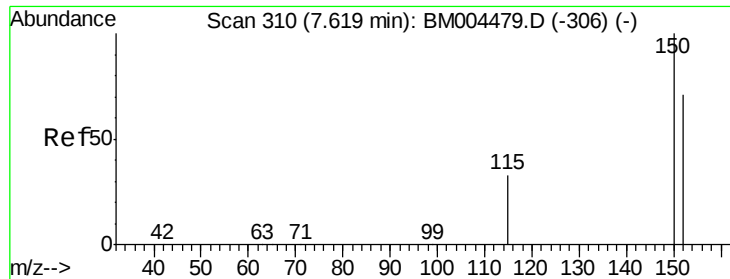
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 310

Delta R.T. -0.00 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

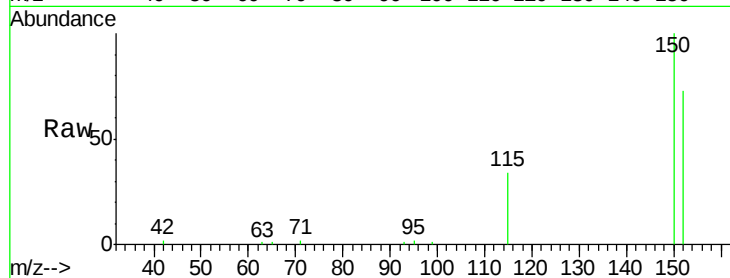
Tgt Ion:152 Resp: 18400

Ion Ratio Lower Upper

152 100

150 136.3 111.9 167.9

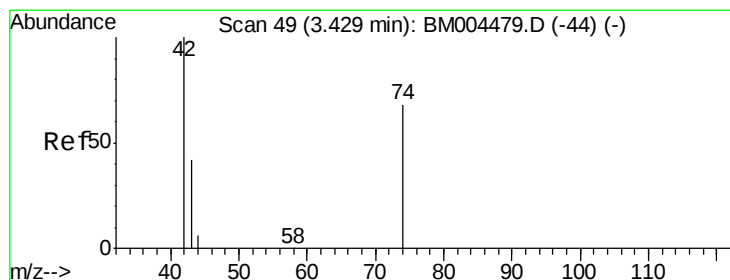
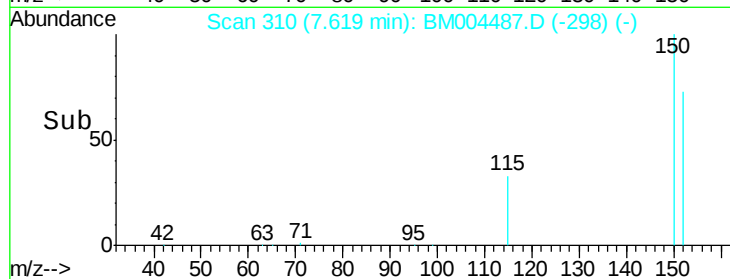
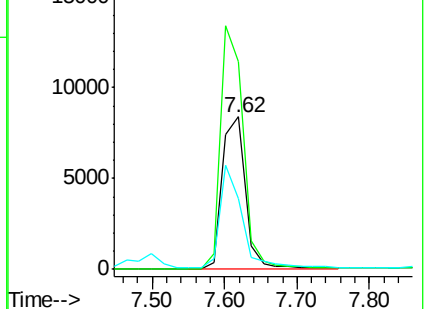
115 46.3 37.7 56.5



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



#3

n-Nitrosodimethylamine

Concen: 0.32 ng

RT: 3.40 min Scan# 47

Delta R.T. -0.03 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

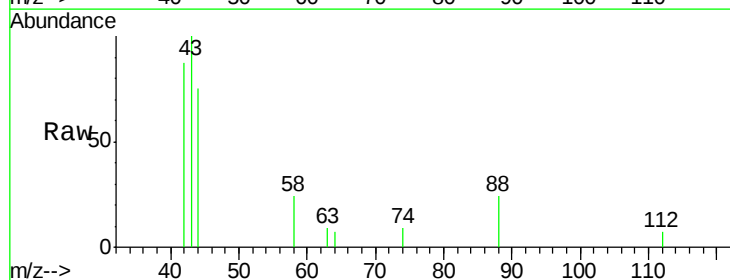
Tgt Ion: 42 Resp: 593

Ion Ratio Lower Upper

42 100

74 1.0 117.8 176.8#

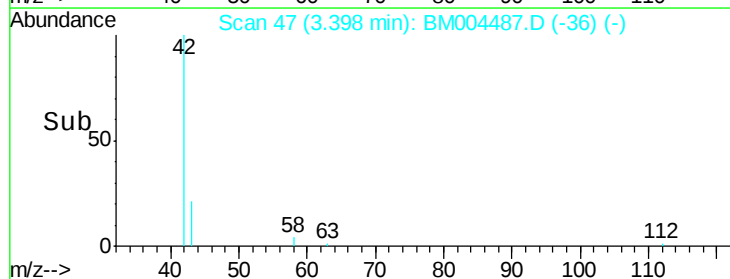
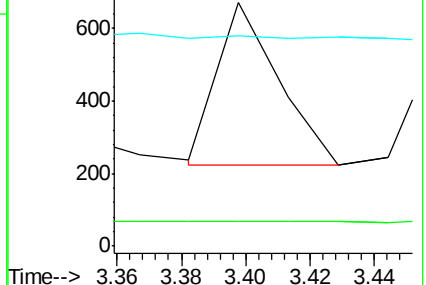
44 0.0 6.1 9.1#

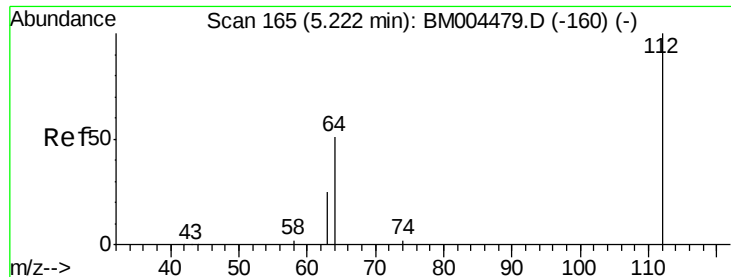


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 3.05 ng

RT: 5.22 min Scan# 165

Delta R.T. -0.00 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

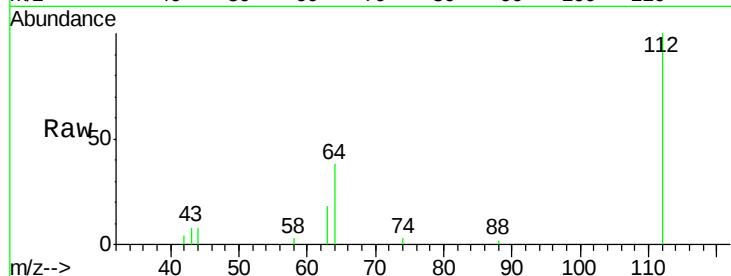
Tgt Ion: 112 Resp: 13062

Ion Ratio Lower Upper

112 100

64 48.5 39.6 59.4

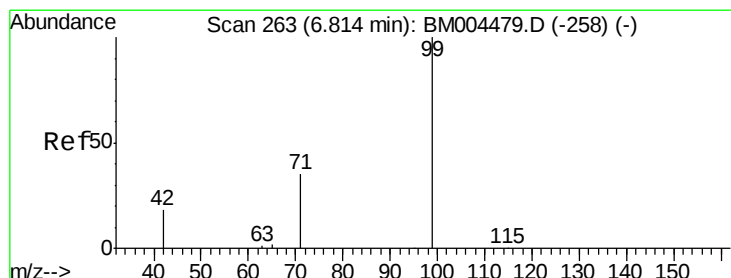
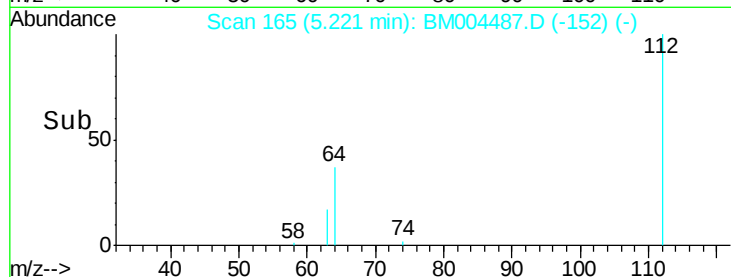
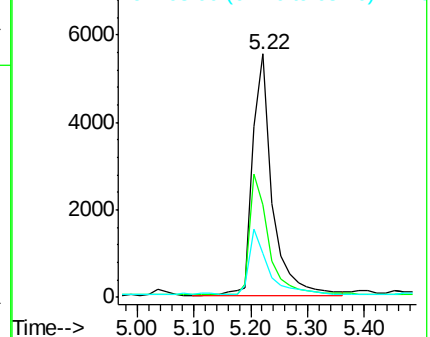
63 26.5 20.0 30.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 1.89 ng

RT: 6.81 min Scan# 263

Delta R.T. -0.00 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

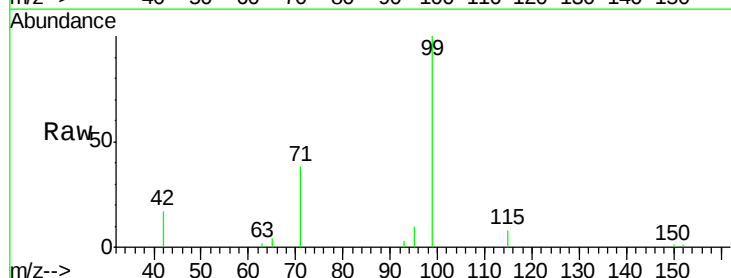
Tgt Ion: 99 Resp: 9122

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

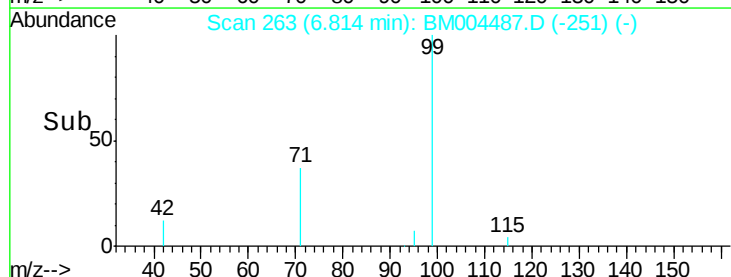
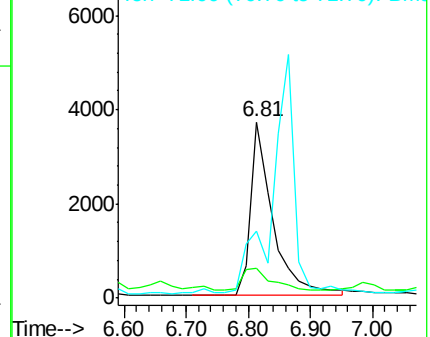
71 0.0 23.4 35.2#

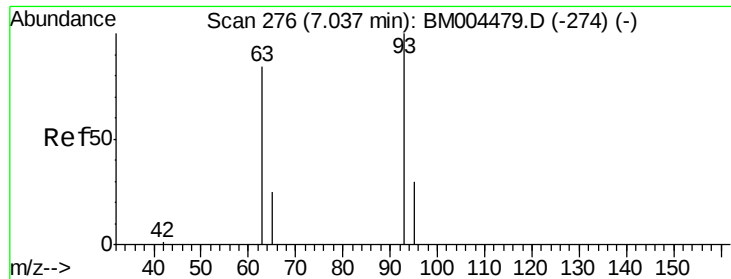


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.07 min Scan# 278

Delta R.T. 0.03 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

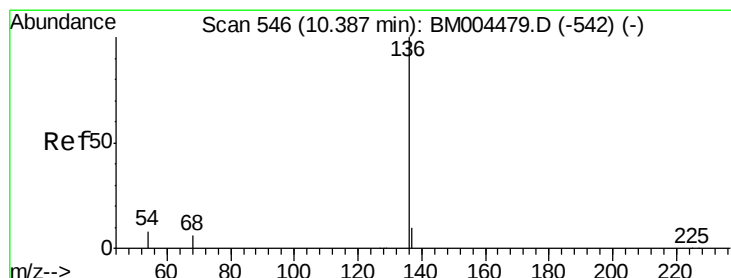
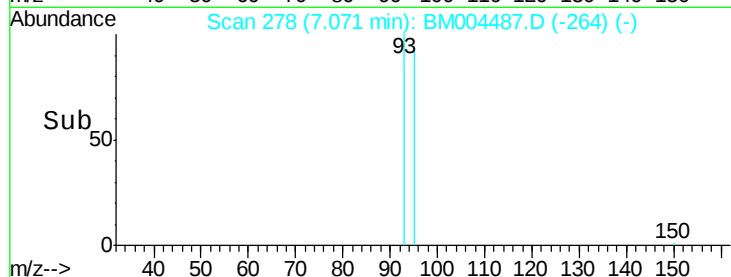
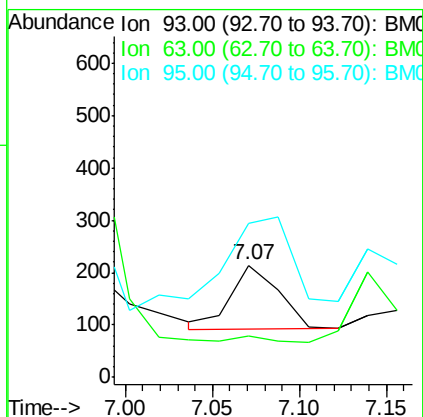
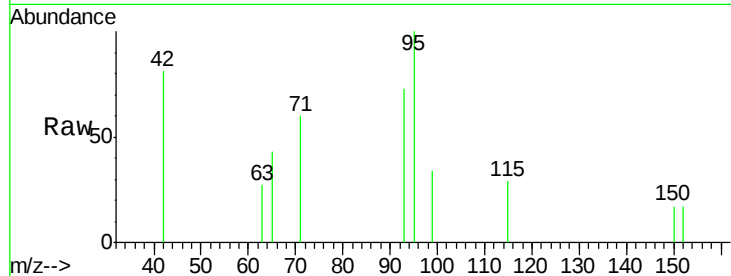
Tgt Ion: 93 Resp: 233

Ion Ratio Lower Upper

93 100

63 0.0 51.7 77.5#

95 161.4 25.4 38.2#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 547

Delta R.T. 0.00 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Tgt Ion: 136 Resp: 73645

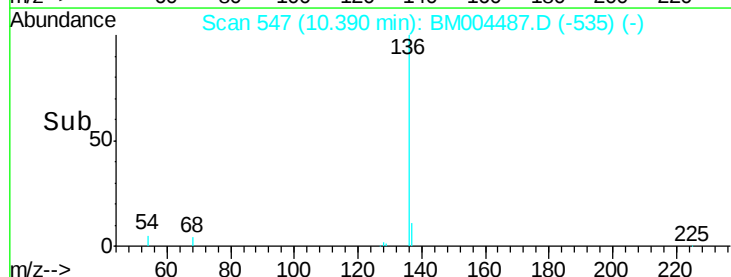
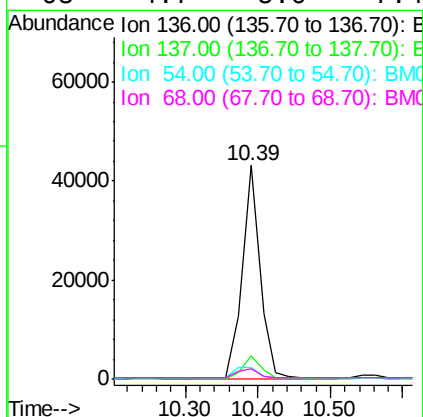
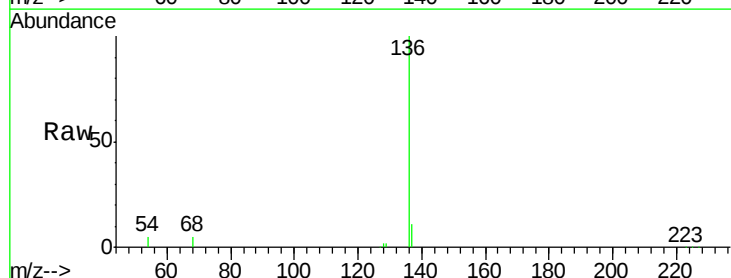
Ion Ratio Lower Upper

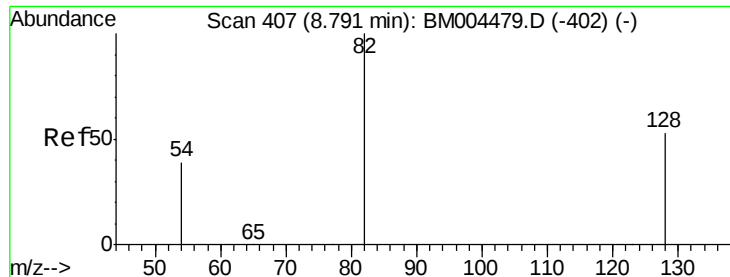
136 100

137 10.9 8.2 12.2

54 5.5 6.4 9.6#

68 4.7 5.0 7.4#





#8

Nitrobenzene-d5

Concen: 4.65 ng

RT: 8.77 min Scan# 406

Delta R.T. -0.02 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

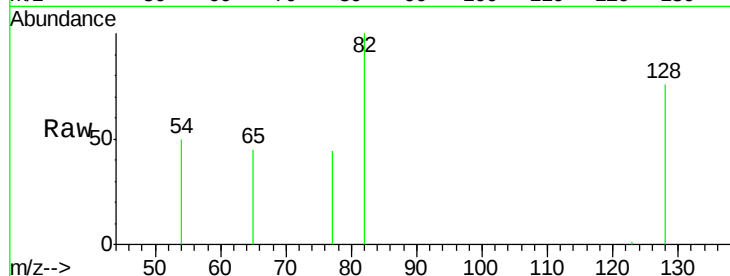
Tgt Ion: 82 Resp: 17432

Ion Ratio Lower Upper

82 100

128 75.8 43.7 65.5#

54 50.1 33.5 50.3

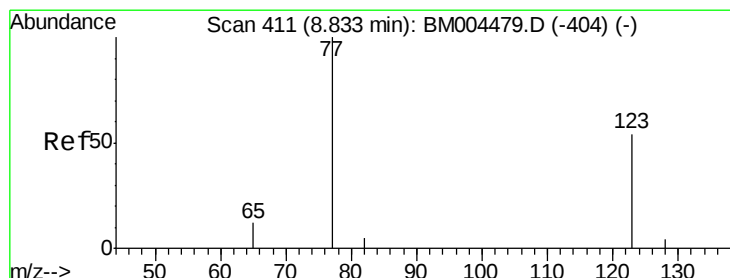
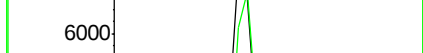
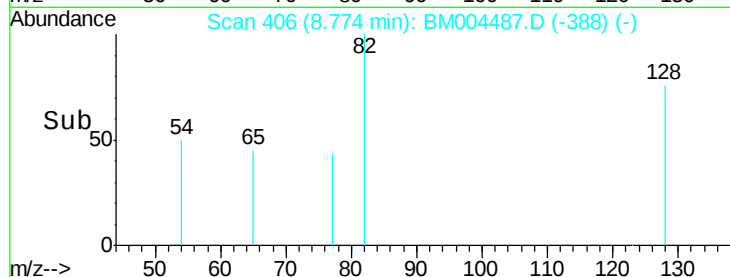


Abundance Ion 82.00 (81.70 to 82.70): BM004479.D (-402) (-)

Ion 128.00 (127.70 to 128.70): BM004479.D (-402) (-)

Ion 54.00 (53.70 to 54.70): BM004479.D (-402) (-)

Time-->



#9

Nitrobenzene

Concen: 1.56 ng

RT: 8.78 min Scan# 407

Delta R.T. -0.05 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

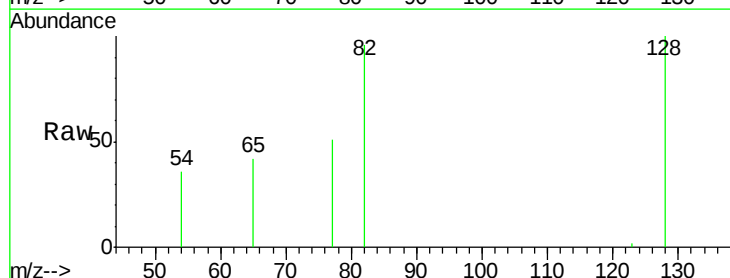
Tgt Ion: 77 Resp: 7894

Ion Ratio Lower Upper

77 100

123 1.5 42.2 63.2#

65 0.0 10.0 15.0#

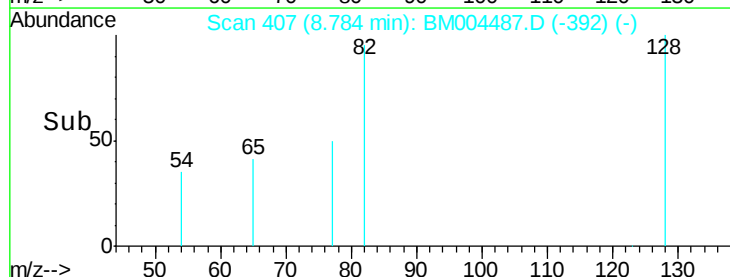


Abundance Ion 77.00 (76.70 to 77.70): BM004479.D (-404) (-)

Ion 123.00 (122.70 to 123.70): BM004479.D (-404) (-)

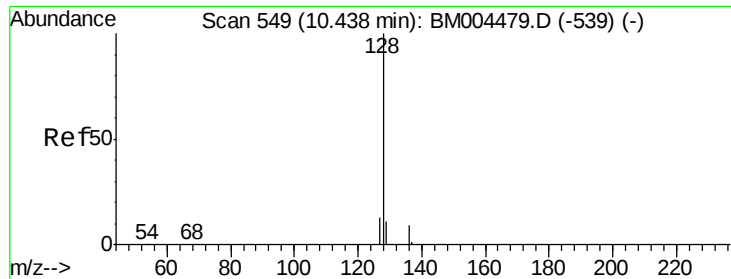
Ion 65.00 (64.70 to 65.70): BM004479.D (-404) (-)

Time-->



Time-->

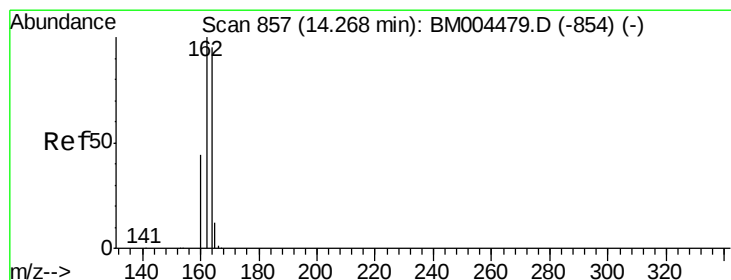
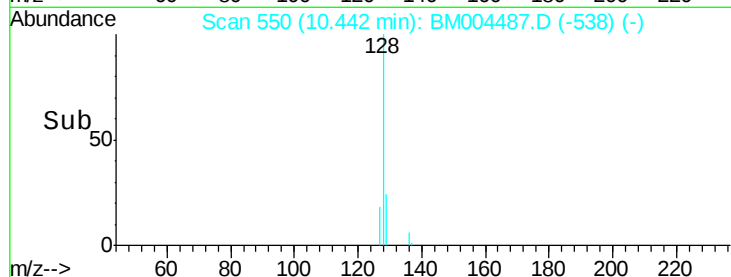
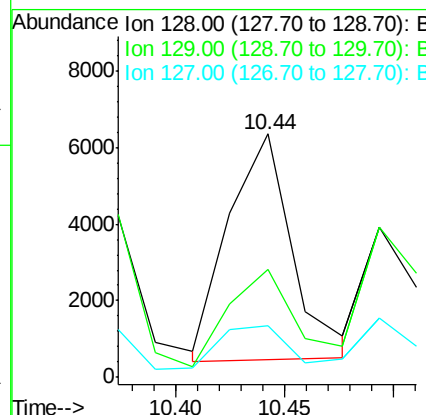
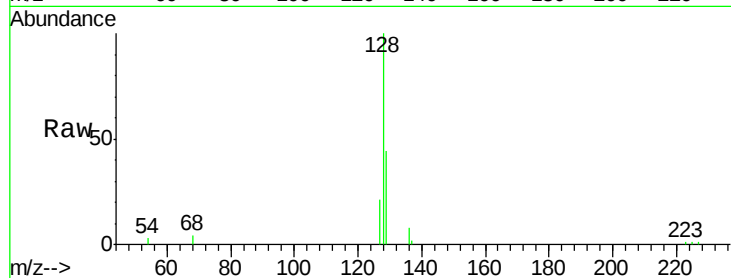




#10
Naphthalene
Concen: 0.55 ng
RT: 10.44 min Scan# 550
Delta R.T. 0.00 min
Lab File: BM004487.D
Acq: 01 Mar 2016 02:00

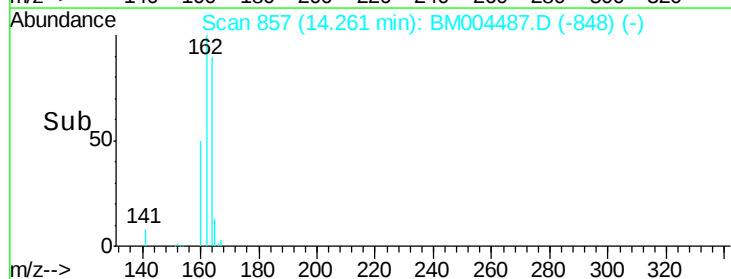
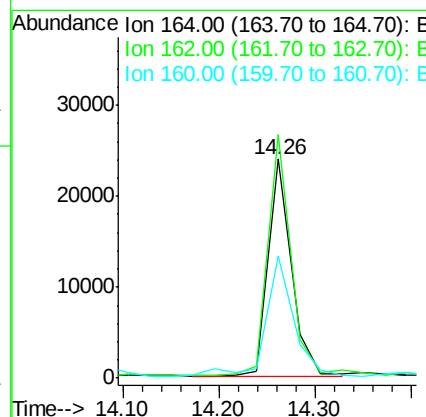
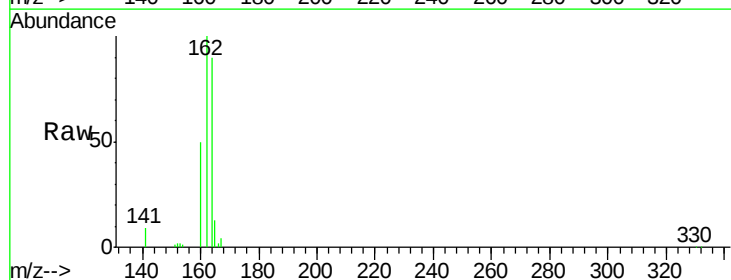
Instrument :
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MW-1

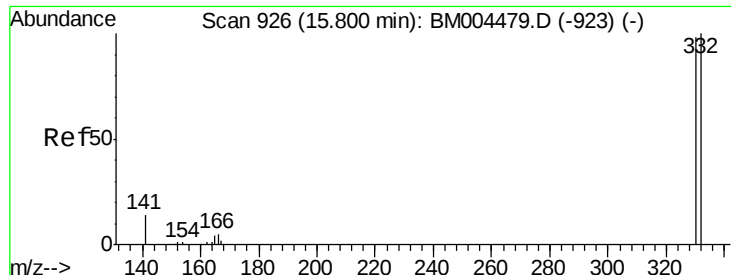
Tgt Ion:128 Resp: 11884
Ion Ratio Lower Upper
128 100
129 44.3 8.9 13.3#
127 21.0 10.9 16.3#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.01 min
Lab File: BM004487.D
Acq: 01 Mar 2016 02:00

Tgt Ion:164 Resp: 39351
Ion Ratio Lower Upper
164 100
162 111.3 84.2 126.4
160 55.8 37.4 56.2

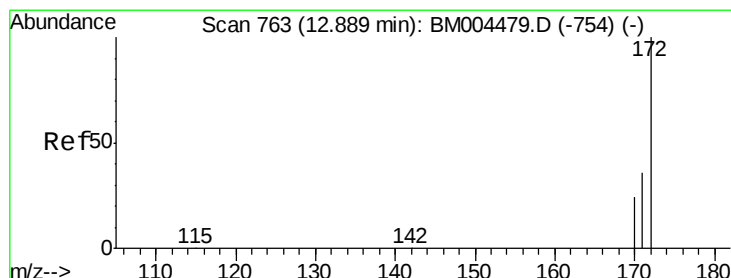
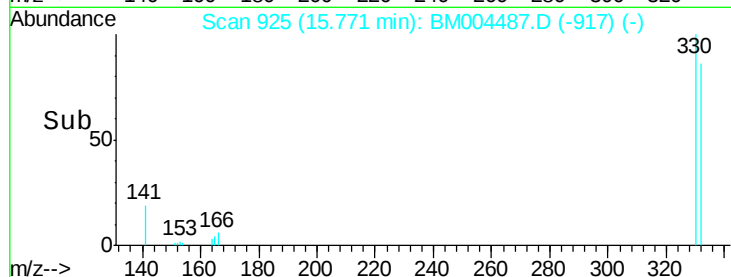
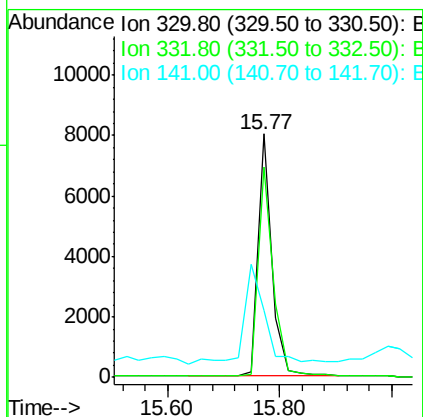
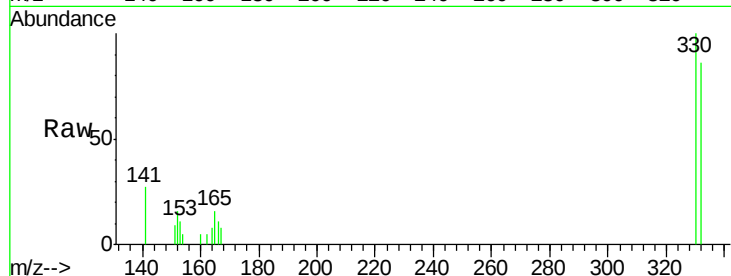




#14
 2,4,6-Tribromophenol
 Concen: 9.17 ng
 RT: 15.77 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BM004487.D
 Acq: 01 Mar 2016 02:00

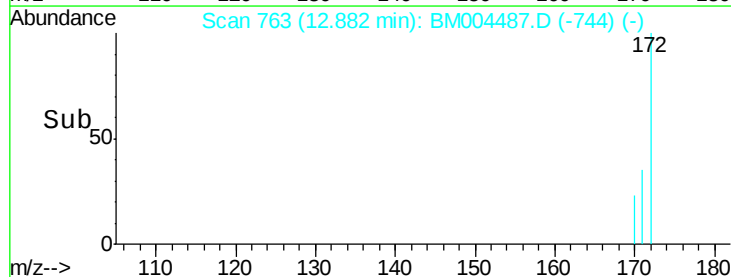
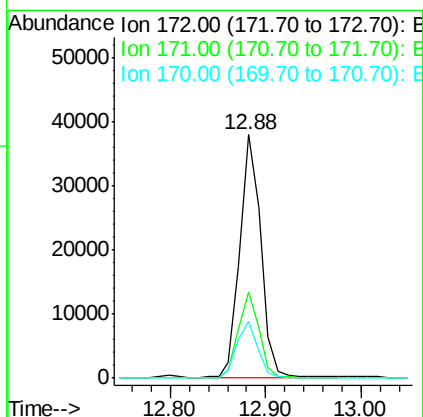
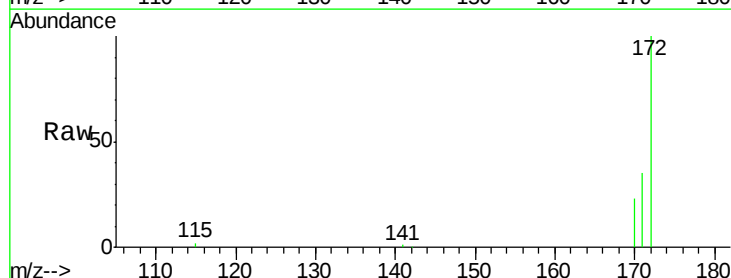
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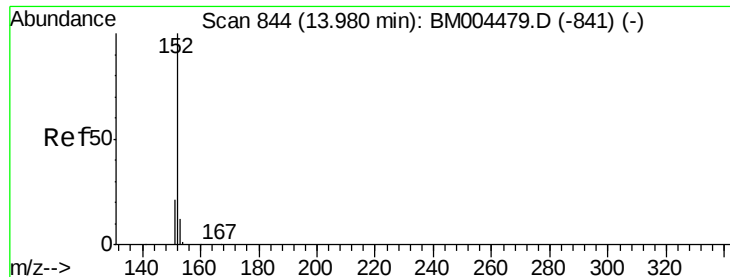
Tgt Ion:330 Resp: 13870
 Ion Ratio Lower Upper
 330 100
 332 93.4 76.1 114.1
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 4.81 ng
 RT: 12.88 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BM004487.D
 Acq: 01 Mar 2016 02:00

Tgt Ion:172 Resp: 57972
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.2 43.8
 170 23.4 19.7 29.5





#16

Acenaphthylene

Concen: 0.35 ng

RT: 13.97 min Scan# 844

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

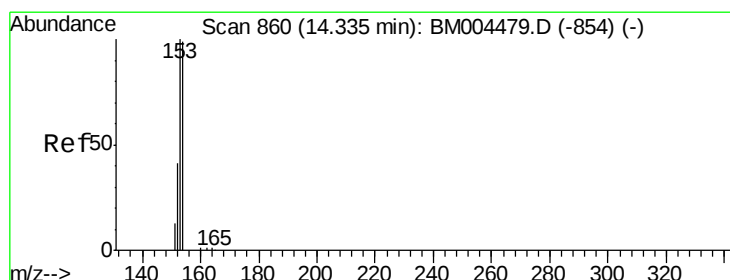
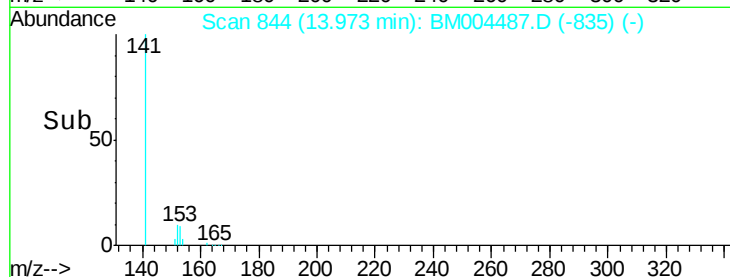
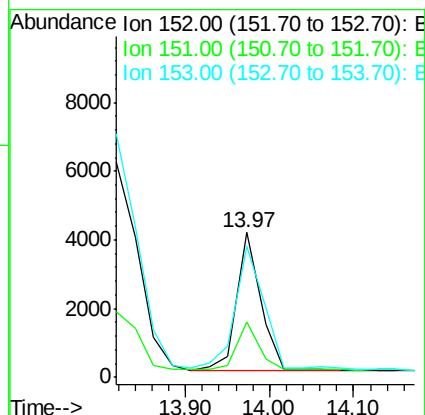
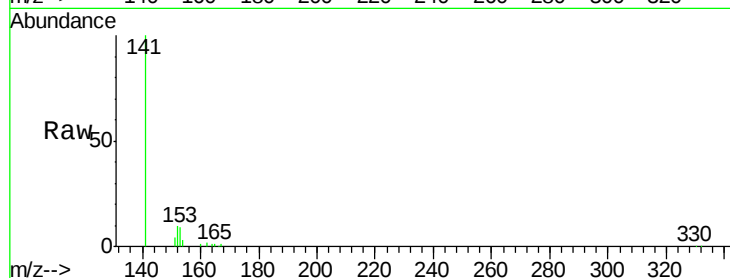
Tgt Ion:152 Resp: 7778

Ion Ratio Lower Upper

152 100

151 33.4 15.8 23.6#

153 104.4 10.2 15.4#



#17

Acenaphthene

Concen: 0.72 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

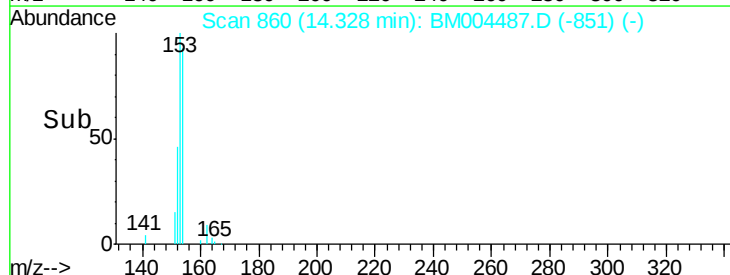
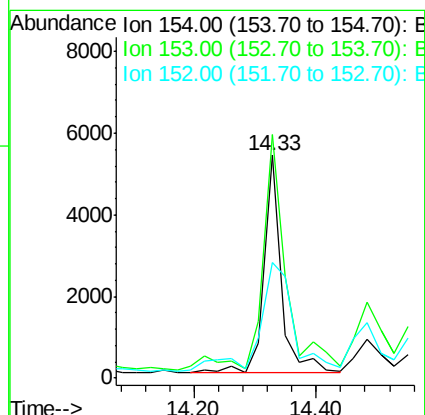
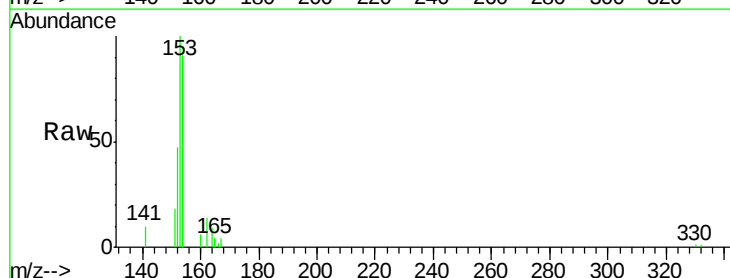
Tgt Ion:154 Resp: 10597

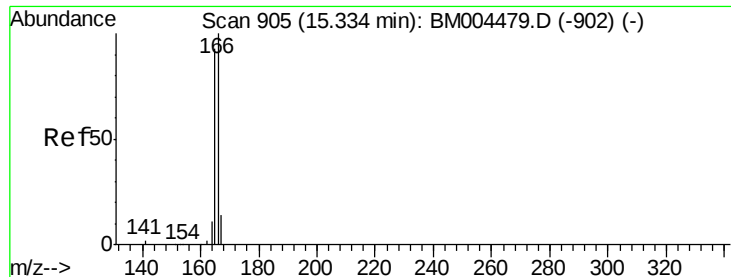
Ion Ratio Lower Upper

154 100

153 132.0 88.0 132.0#

152 96.0 41.1 61.7#

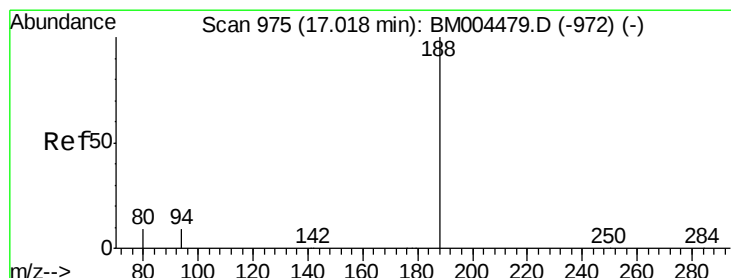
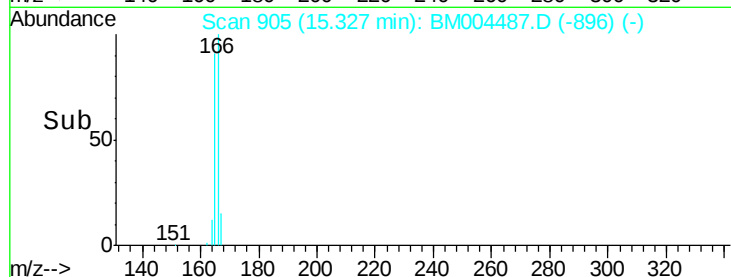
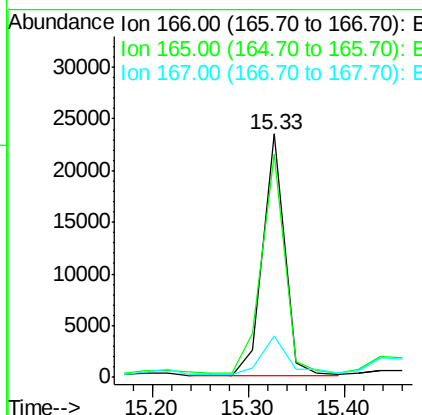
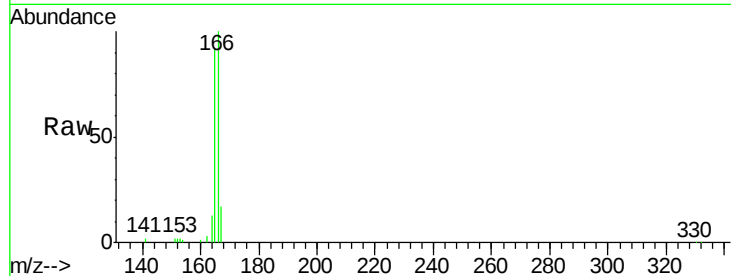




#18
Fluorene
 Concen: 2.01 ng
 RT: 15.33 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BM004487.D
 Acq: 01 Mar 2016 02:00

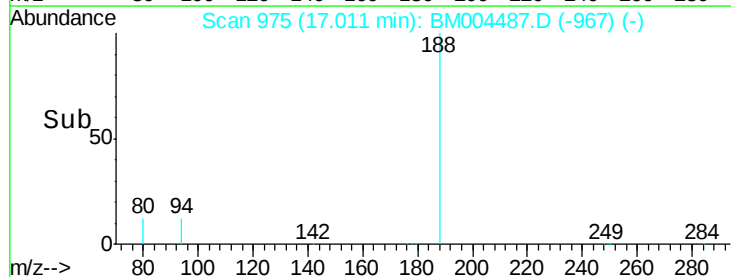
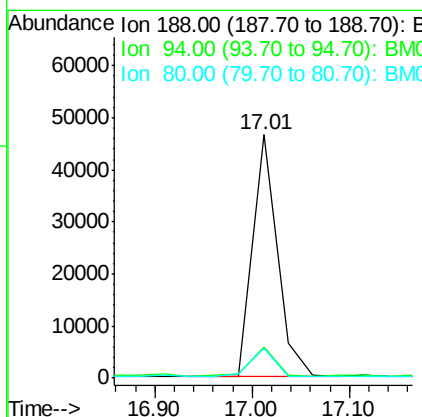
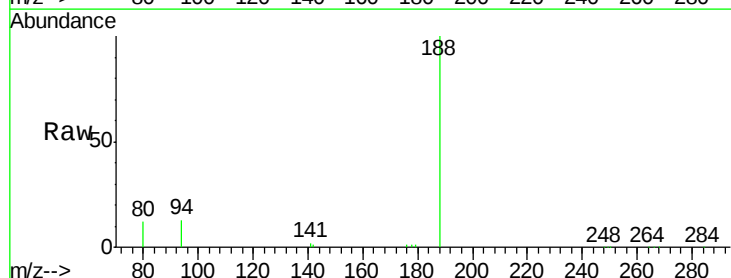
Instrument :
 BNA_M
 ClientSampleId :
 MW-1

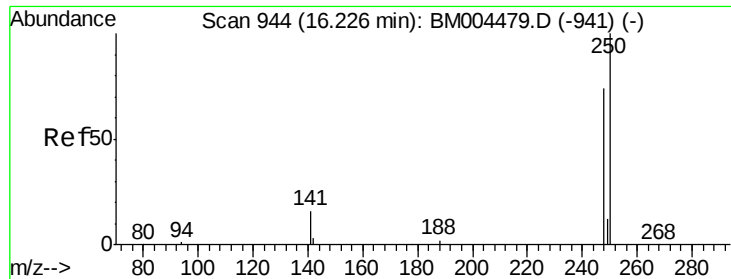
Tgt Ion:166 Resp: 36183
 Ion Ratio Lower Upper
 166 100
 165 98.0 77.2 115.8
 167 19.9 10.9 16.3#



#19
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.01 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BM004487.D
 Acq: 01 Mar 2016 02:00

Tgt Ion:188 Resp: 82344
 Ion Ratio Lower Upper
 188 100
 94 13.0 7.4 11.0#
 80 12.4 6.9 10.3#

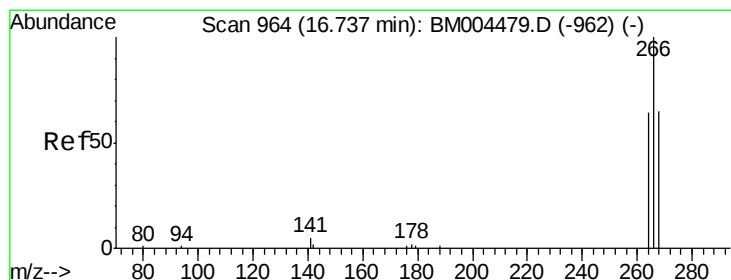
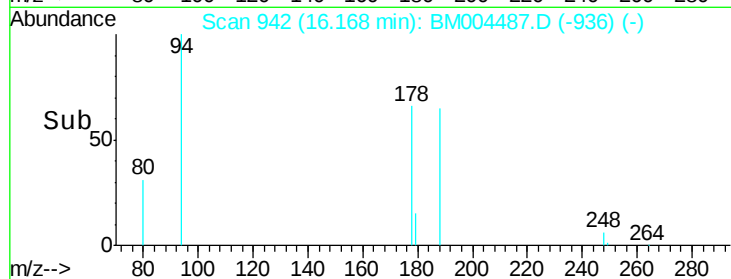
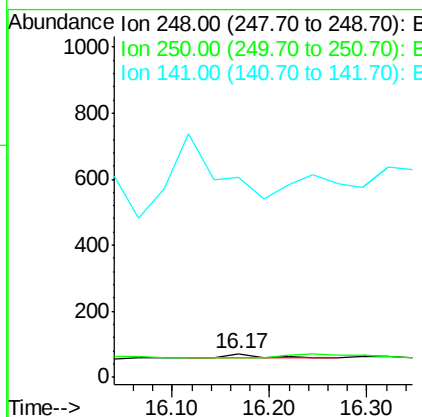
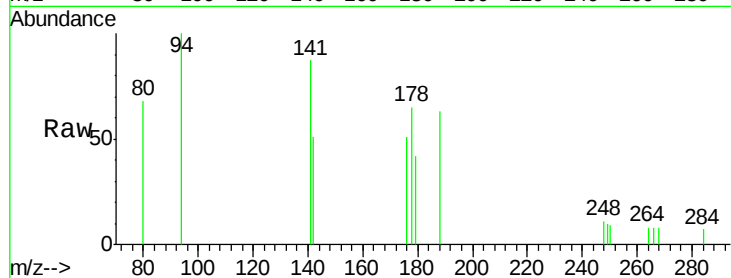




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.17 min Scan# 942
Delta R.T. -0.06 min
Lab File: BM004487.D
Acq: 01 Mar 2016 02:00

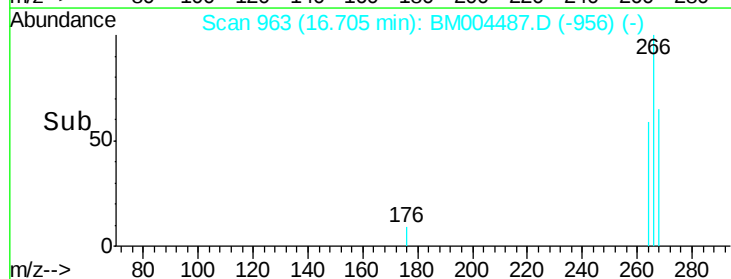
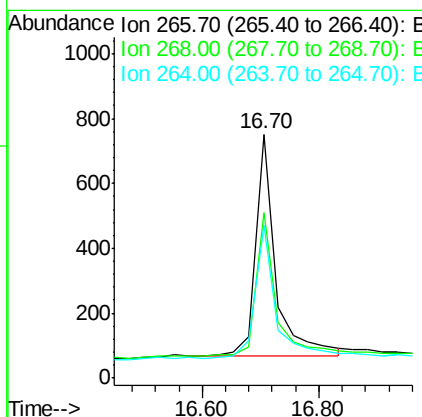
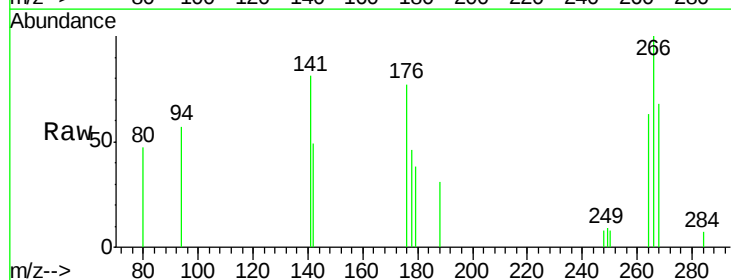
Instrument :
BNA_M
ClientSampleId :
MW-1

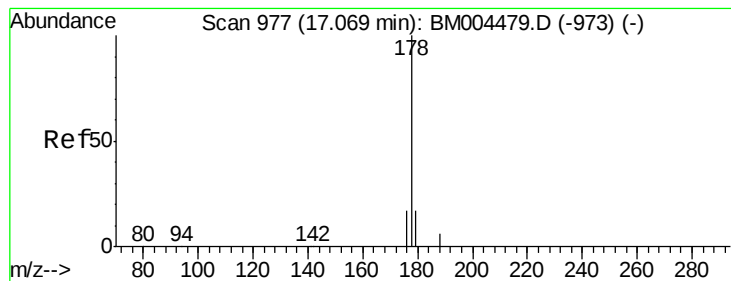
Tgt Ion: 248 Resp: 38
Ion Ratio Lower Upper
248 100
250 0.0 81.5 122.3#
141 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 1.84 ng
RT: 16.70 min Scan# 963
Delta R.T. -0.03 min
Lab File: BM004487.D
Acq: 01 Mar 2016 02:00

Tgt Ion: 266 Resp: 1659
Ion Ratio Lower Upper
266 100
268 68.2 60.7 91.1
264 62.7 57.1 85.7





#23

Phenanthrene

Concen: 0.68 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

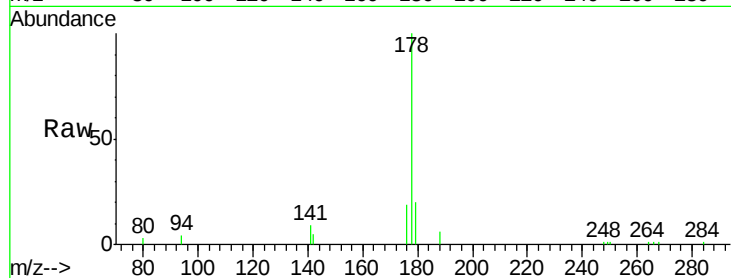
Tgt Ion:178 Resp: 18187

Ion Ratio Lower Upper

178 100

176 20.6 14.7 22.1

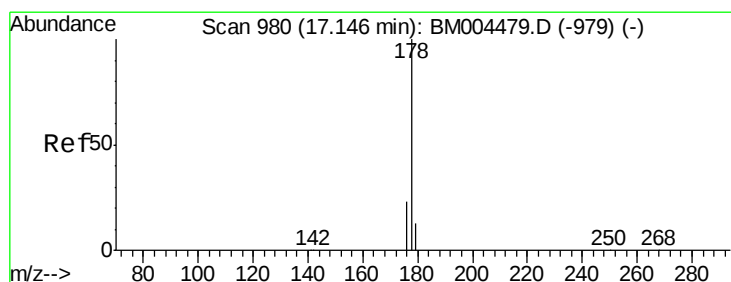
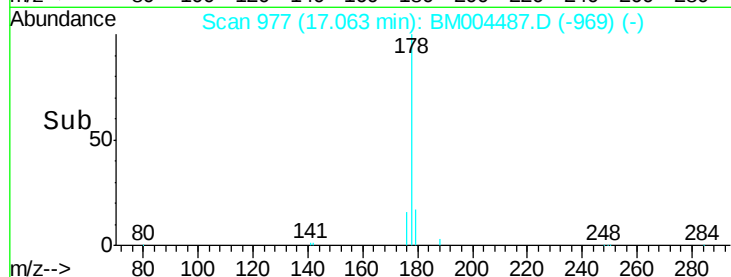
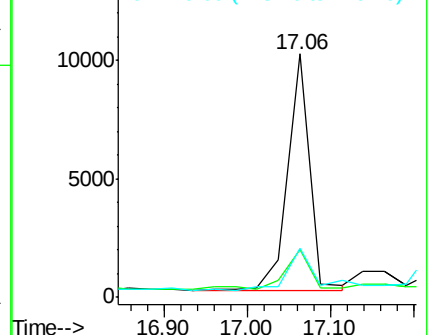
179 25.6 12.9 19.3#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.12 ng

RT: 17.16 min Scan# 981

Delta R.T. 0.02 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

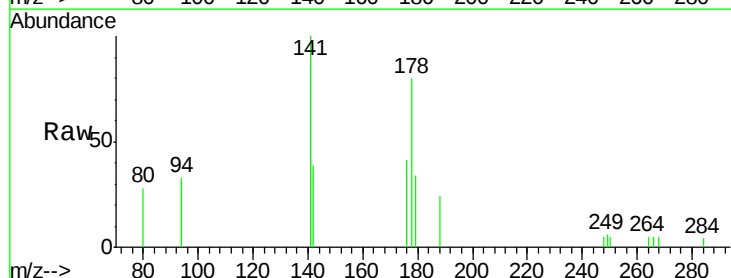
Tgt Ion:178 Resp: 2976

Ion Ratio Lower Upper

178 100

176 26.8 15.6 23.4#

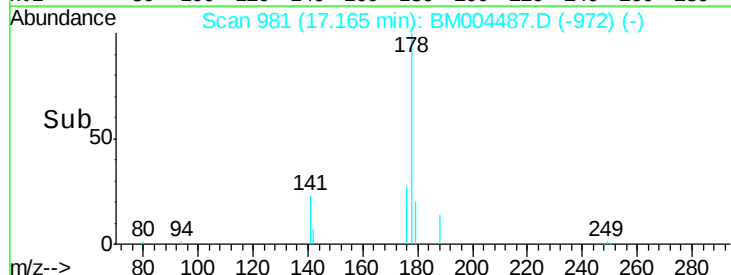
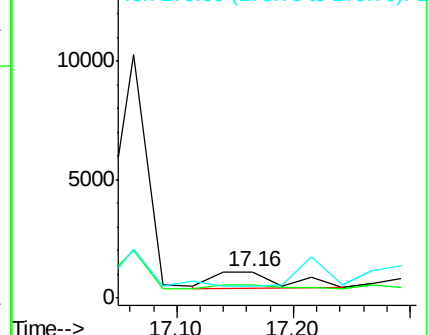
179 0.0 13.6 20.4#

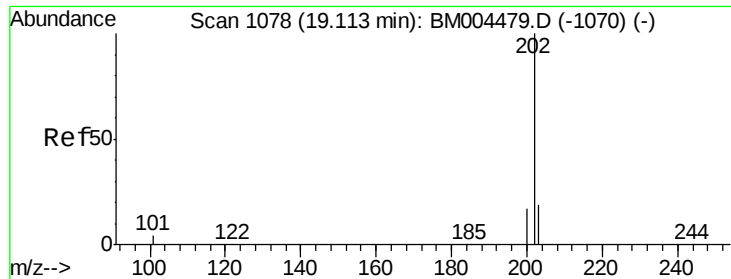


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.02 ng

RT: 19.11 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

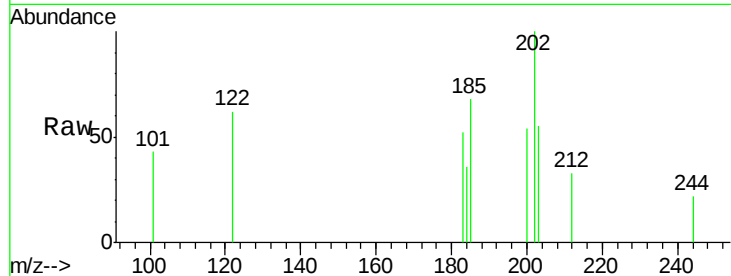
Tgt Ion:202 Resp: 718

Ion Ratio Lower Upper

202 100

101 27.2 9.4 14.2#

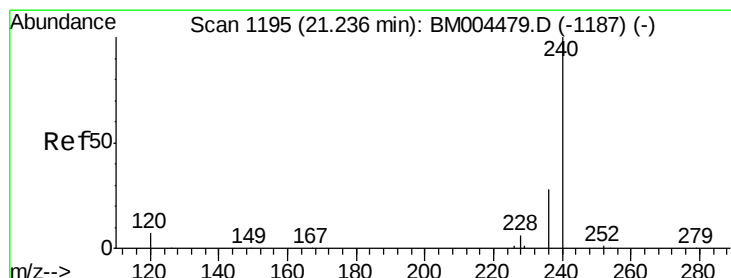
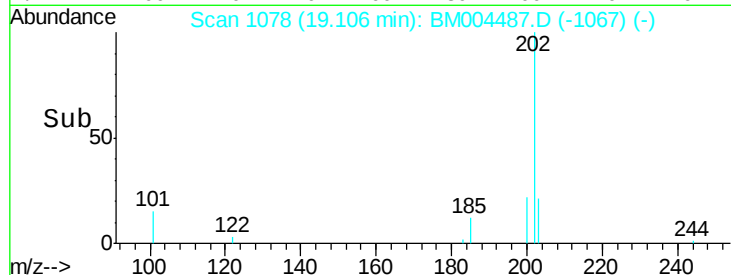
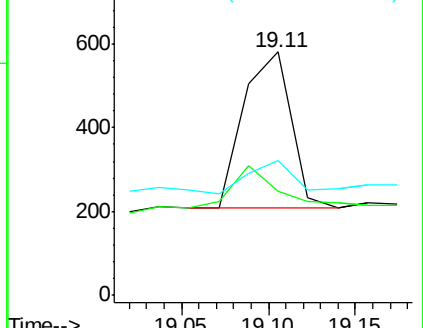
203 13.6 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

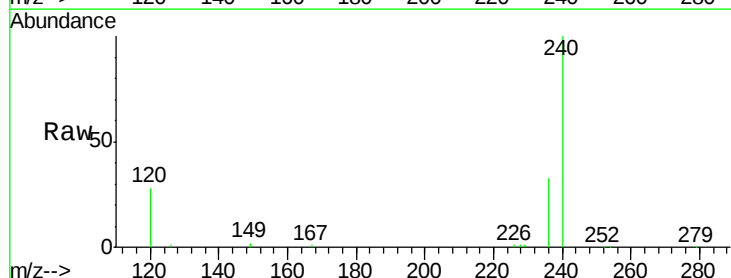
Tgt Ion:240 Resp: 70851

Ion Ratio Lower Upper

240 100

120 28.1 6.1 9.1#

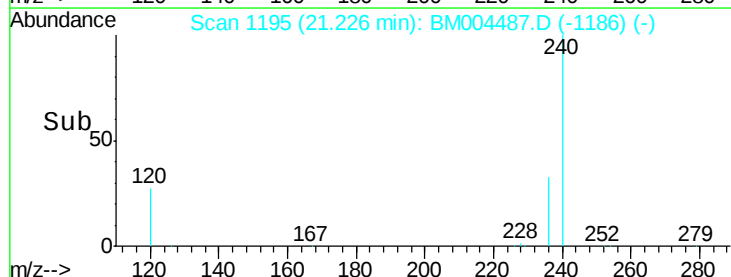
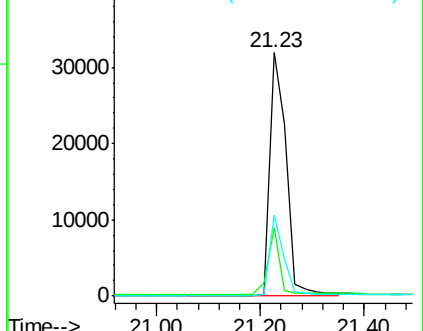
236 33.4 22.6 34.0

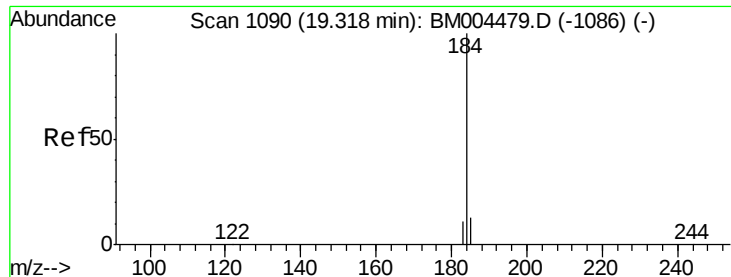


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.35 ng

RT: 19.29 min Scan# 1089

Delta R.T. -0.02 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

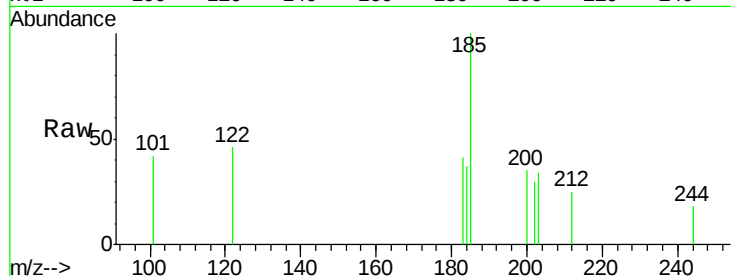
Tgt Ion:184 Resp: 310

Ion Ratio Lower Upper

184 100

185 269.2 16.6 24.8#

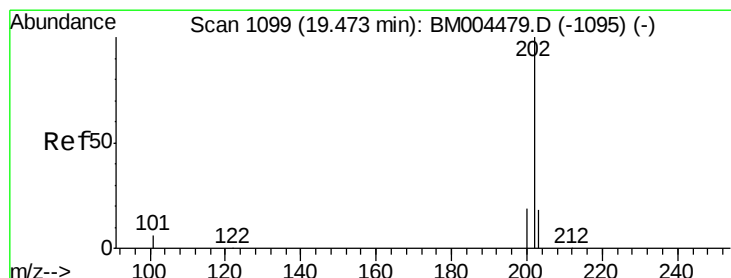
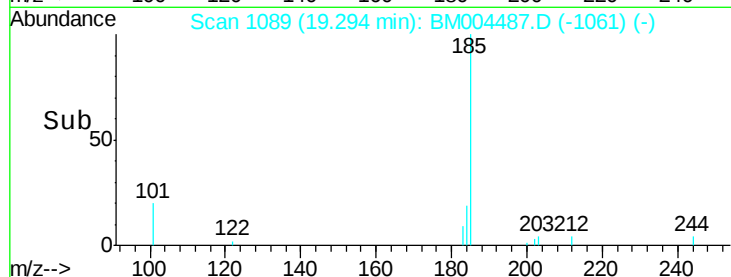
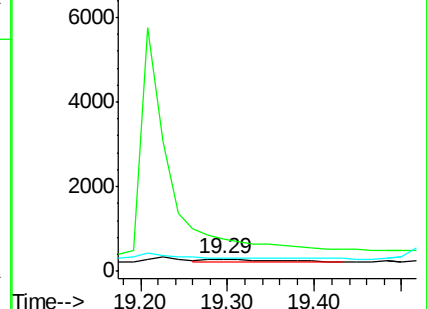
183 111.2 12.3 18.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.03 ng

RT: 19.47 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

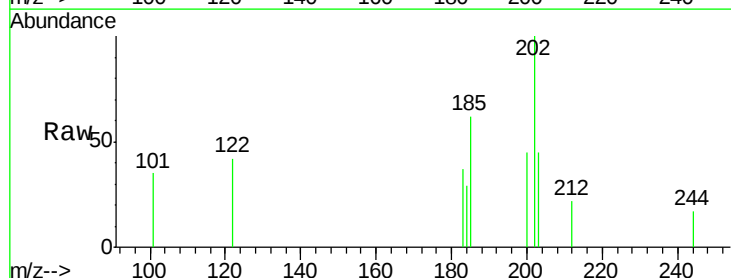
Tgt Ion:202 Resp: 860

Ion Ratio Lower Upper

202 100

200 33.0 16.6 24.8#

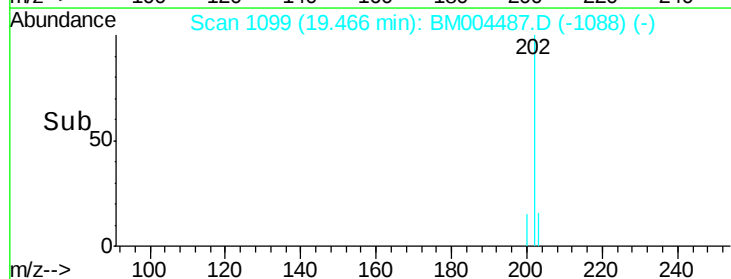
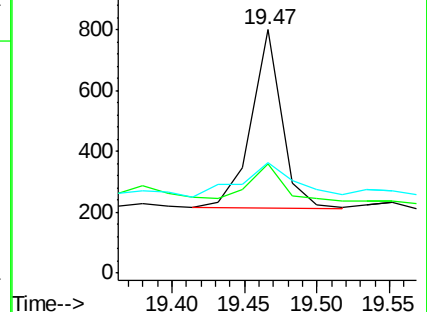
203 34.2 14.1 21.1#

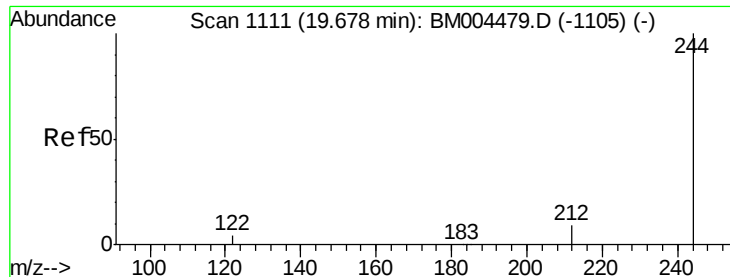


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 5.50 ng

RT: 19.67 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

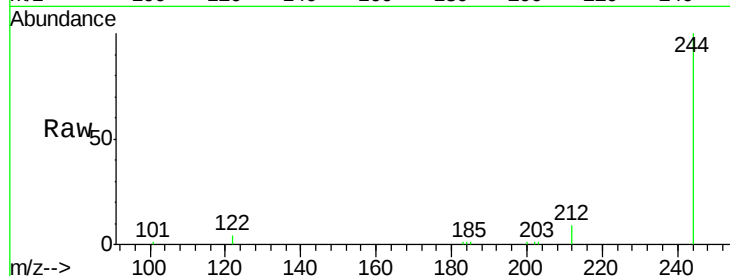
Tgt Ion:244 Resp: 50172

Ion Ratio Lower Upper

244 100

212 9.3 7.5 11.3

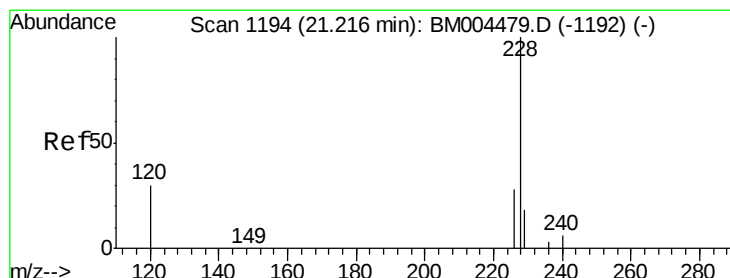
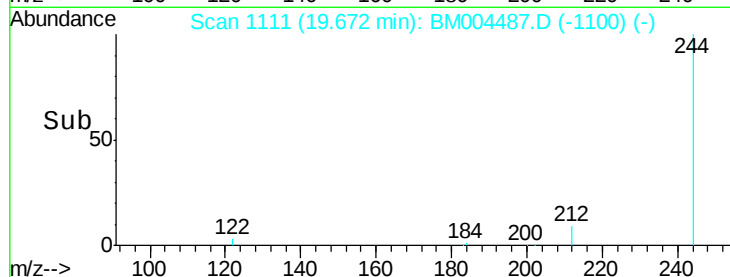
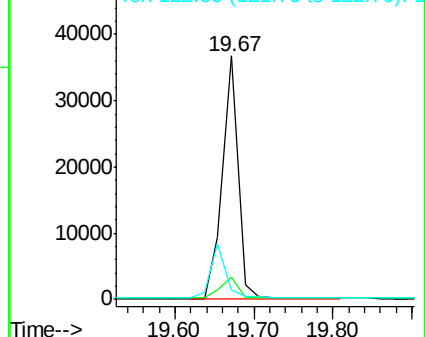
122 3.7 4.2 6.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.13 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.05 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

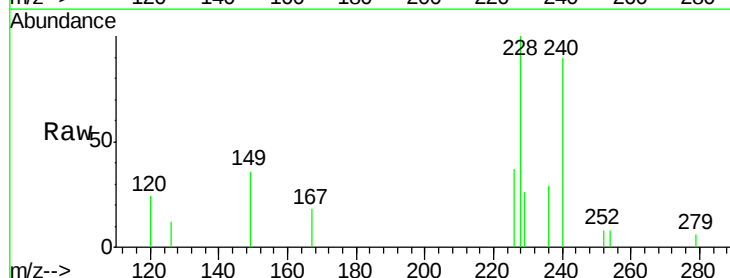
Tgt Ion:228 Resp: 3417

Ion Ratio Lower Upper

228 100

226 36.8 22.8 34.2#

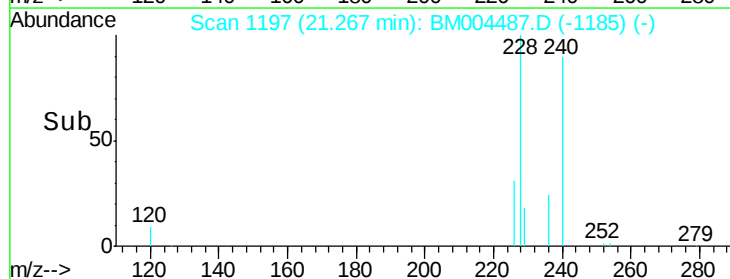
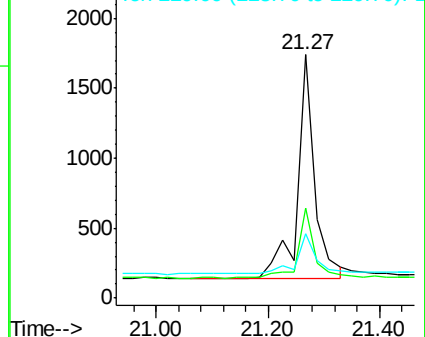
229 26.5 14.6 22.0#

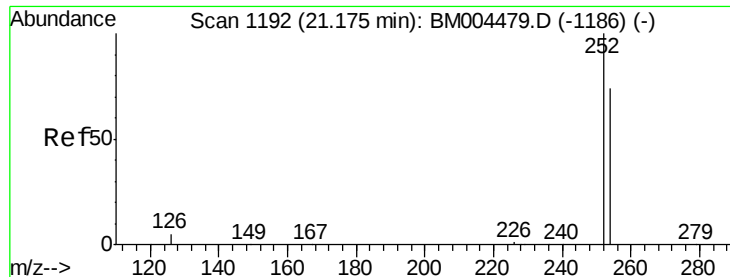


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

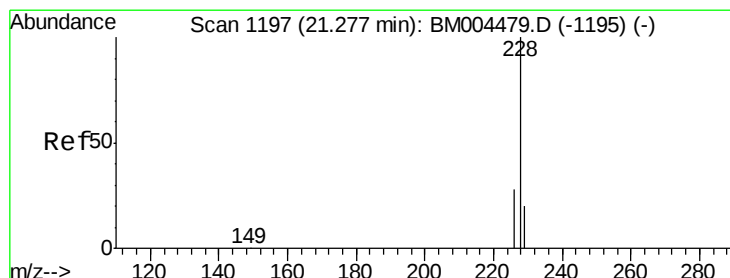
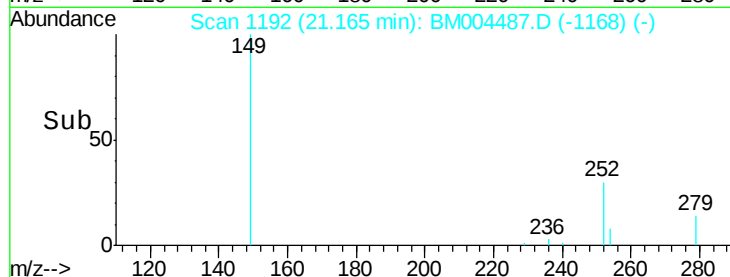
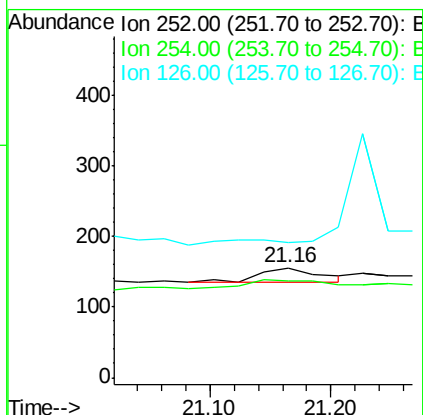
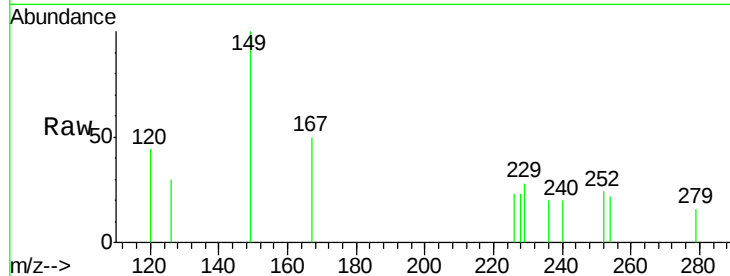




#31
 3,3'-Dichlorobenzidine
 Concen: 0.14 ng
 RT: 21.16 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BM004487.D
 Acq: 01 Mar 2016 02:00

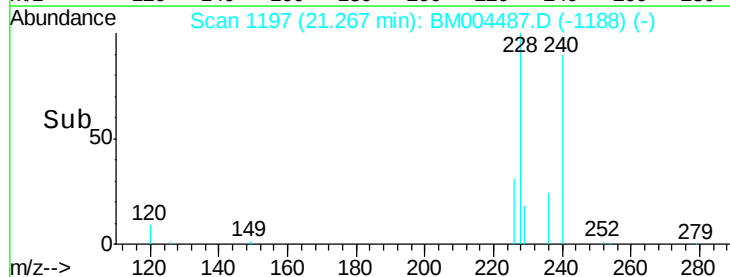
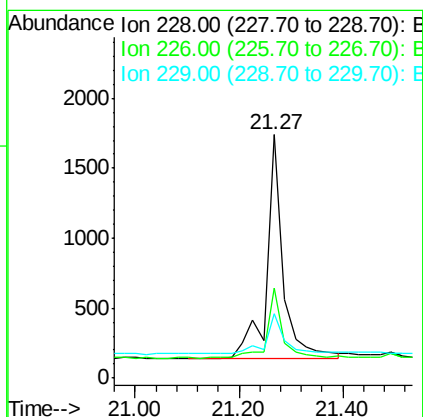
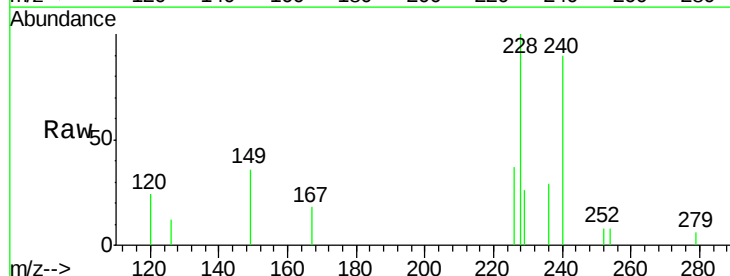
Instrument :
 BNA_M
 ClientSampleId :
 MW-1

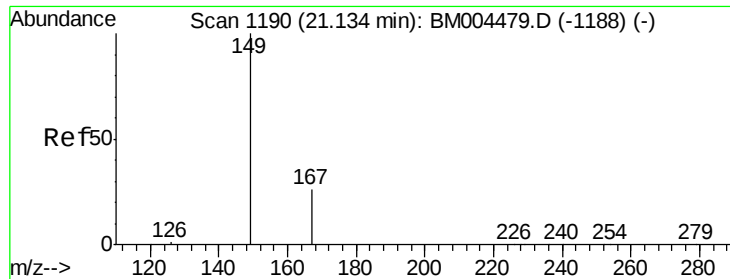
Tgt Ion: 252 Resp: 73
 Ion Ratio Lower Upper
 252 100
 254 88.4 59.4 89.0
 126 123.9 5.5 8.3#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BM004487.D
 Acq: 01 Mar 2016 02:00

Tgt Ion: 228 Resp: 3602
 Ion Ratio Lower Upper
 228 100
 226 36.8 21.4 32.2#
 229 26.5 17.1 25.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng

RT: 21.12 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

Instrument :

BNA_M

ClientSampleId :

MW-1

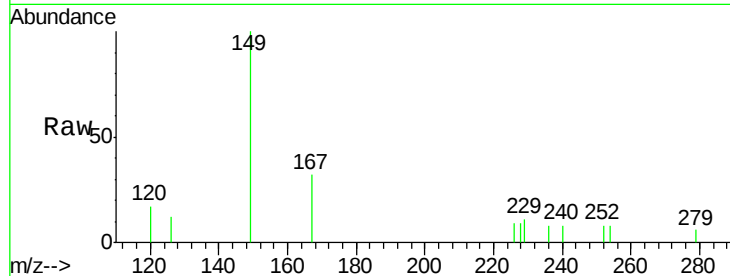
Tgt Ion:149 Resp: 1947

Ion Ratio Lower Upper

149 100

167 23.9 21.2 31.8

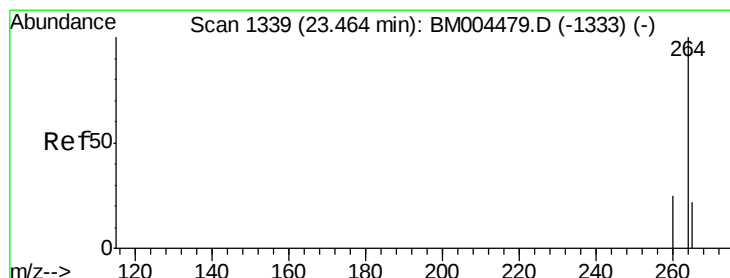
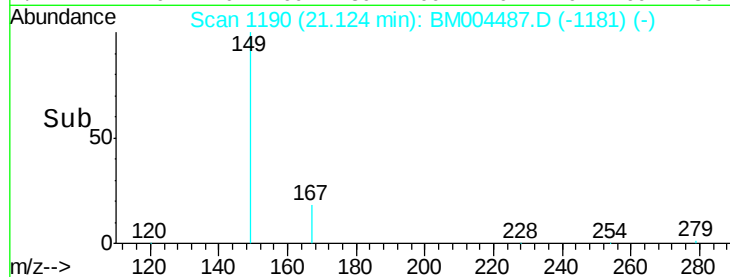
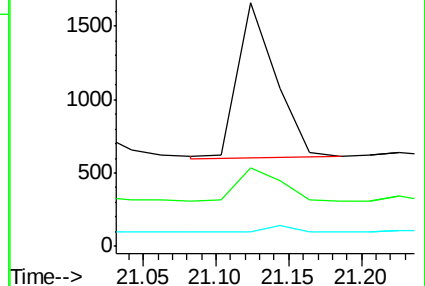
279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.45 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM004487.D

Acq: 01 Mar 2016 02:00

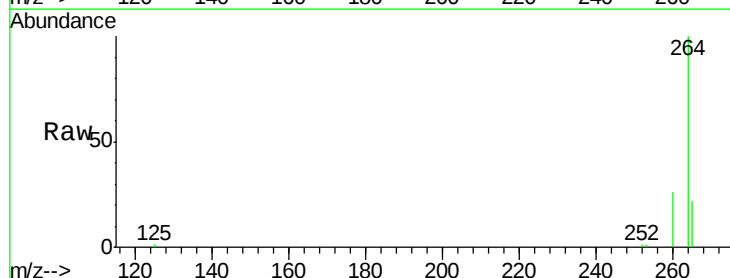
Tgt Ion:264 Resp: 67529

Ion Ratio Lower Upper

264 100

260 25.7 19.8 29.6

265 22.1 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

