

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022916\
 Data File : BM004488.D
 Acq On : 01 Mar 2016 02:35
 Operator : SJ/UM
 Sample : H1509-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1-FD

Quant Time: Mar 01 05:18:20 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	17103	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	70048	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	39094	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	85664	5.00	ng	0.00
26) Chrysene-d12	21.23	240	69698	5.00	ng	-0.01
35) Perylene-d12	23.45	264	65376	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	10389	2.61	ng	0.00
5) Phenol-d6	6.81	99	7771	1.73	ng	0.00
8) Nitrobenzene-d5	8.77	82	15428	4.33	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	14148	9.42	ng	-0.03
15) 2-Fluorobiphenyl	12.88	172	54438	4.55	ng	0.00
29) Terphenyl-d14	19.67	244	49556	5.52	ng	0.00

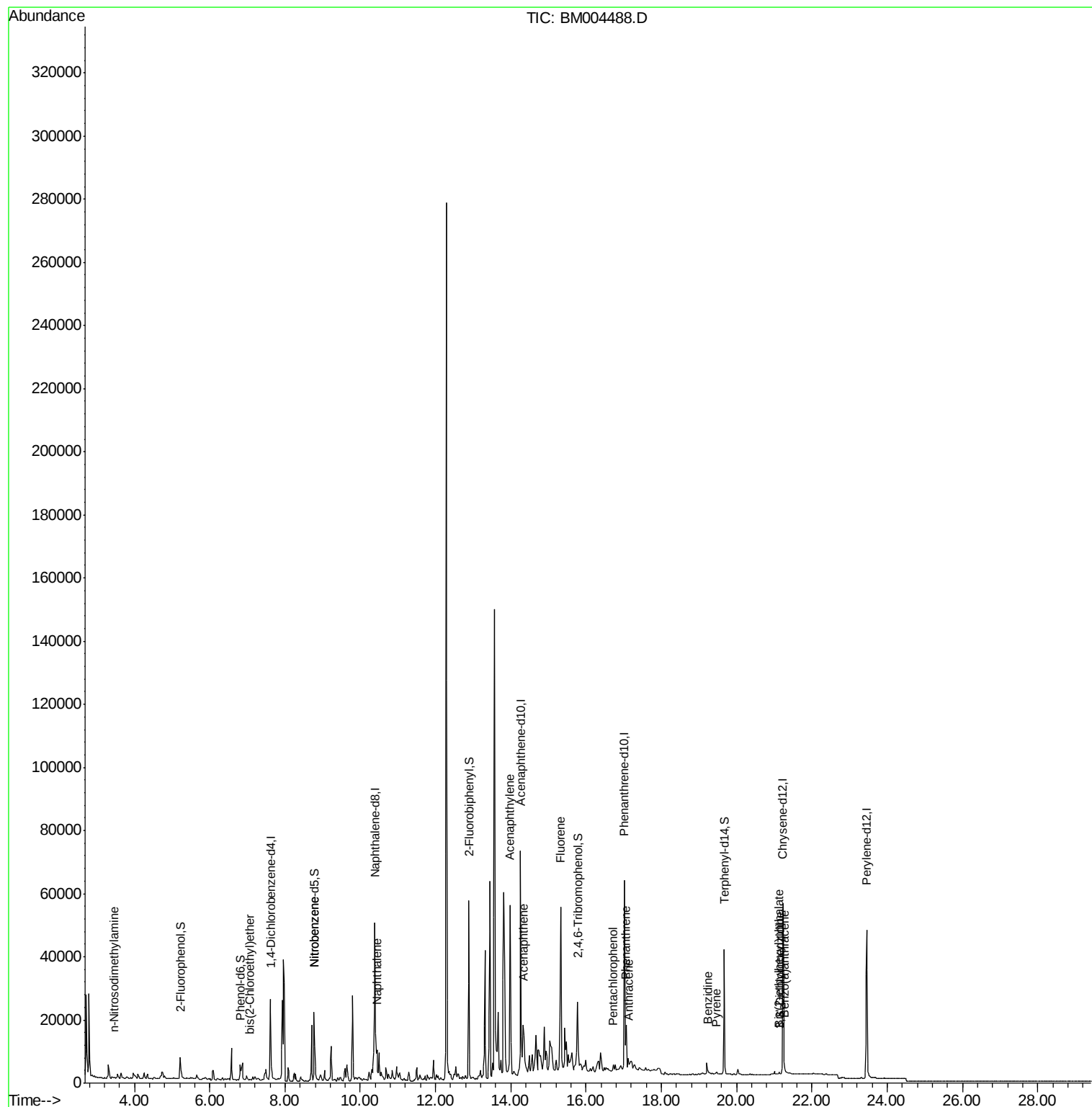
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.46	42	479	0.28	ng	# 1
6) bis(2-Chloroethyl)ether	7.07	93	184	0.04	ng	# 1
9) Nitrobenzene	8.77	77	6985	1.45	ng	# 3
10) Naphthalene	10.44	128	10914	0.53	ng	# 51
16) Acenaphthylene	13.97	152	7898	0.35	ng	# 1
17) Acenaphthene	14.33	154	10760	0.74	ng	# 66
18) Fluorene	15.33	166	37015	2.07	ng	# 95
20) 4-Bromophenyl-phenylether	16.17	248	32	Below Cal		# 1
22) Pentachlorophenol	16.70	266	347	0.35	ng	# 99
23) Phenanthrene	17.06	178	19015	0.68	ng	# 87
24) Anthracene	17.14	178	2987	0.12	ng	# 59
27) Benzidine	19.23	184	488	0.37	ng	# 1
28) Pyrene	19.47	202	756	0.03	ng	# 55
30) Benzo(a)anthracene	21.27	228	3021	0.12	ng	# 80
31) 3,3'-Dichlorobenzidine	21.14	252	39	0.14	ng	# 46
32) Chrysene	21.27	228	3189	Below Cal		# 81
33) Bis(2-ethylhexyl)phthalate	21.12	149	962	0.05	ng	# 97

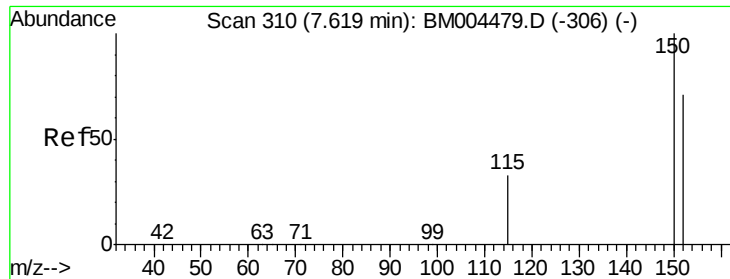
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022916\
Data File : BM004488.D
Acq On : 01 Mar 2016 02:35
Operator : SJ/UM
Sample : H1509-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MW-1-FD

Quant Time: Mar 01 05:18:20 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



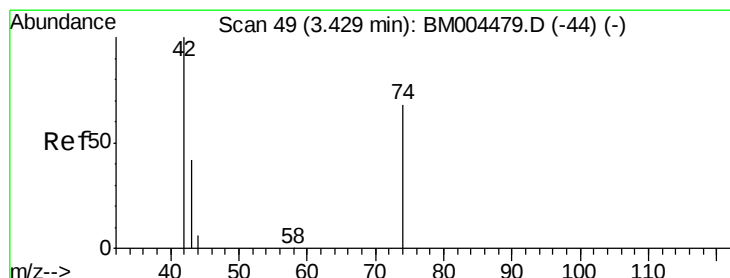
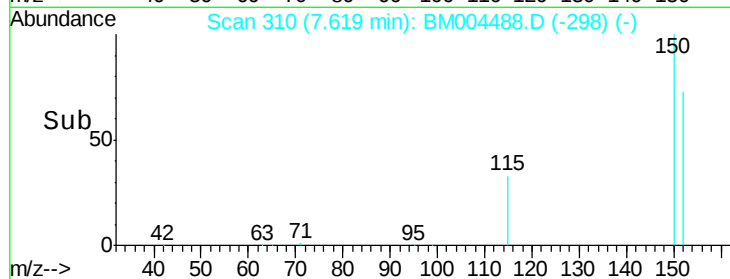
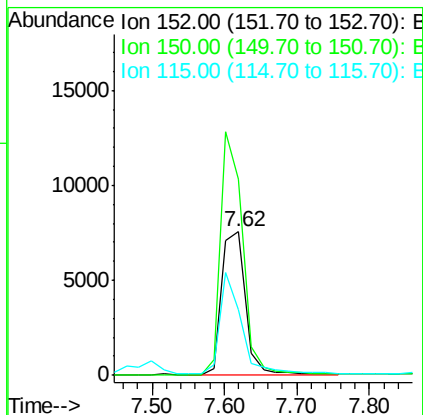
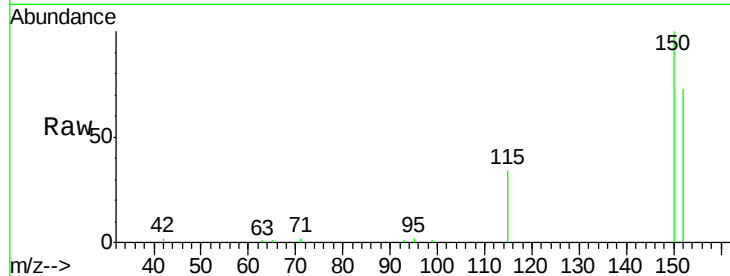


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 310
Delta R.T. -0.00 min
Lab File: BM004488.D
Acq: 01 Mar 2016 02:35

Instrument :
BNA_M
ClientSampleId :
MW-1-FD

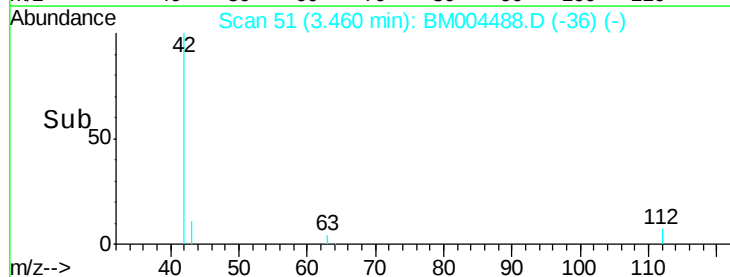
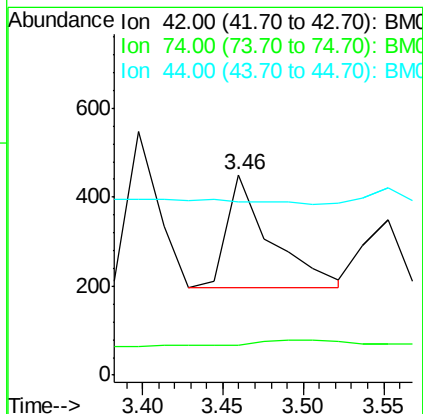
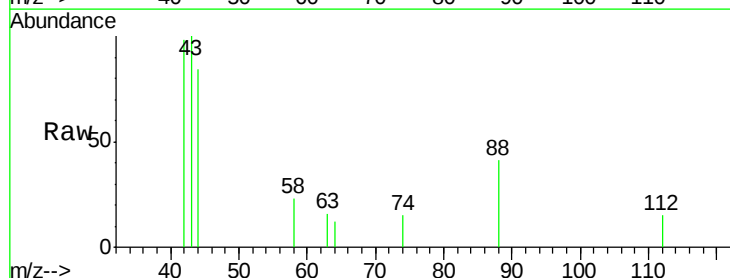
Tgt Ion: 152 Resp: 17103
Ion Ratio Lower Upper
152 100
150 136.7 111.9 167.9
115 46.2 37.7 56.5

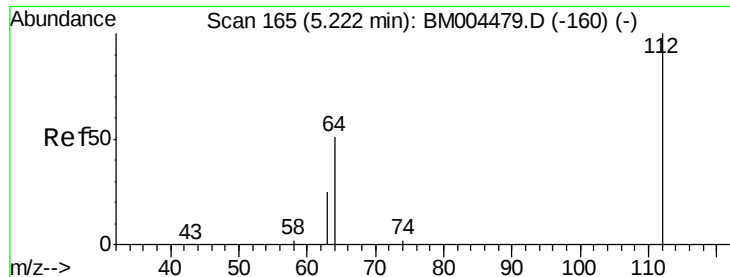


#3

n-Nitrosodimethylamine
Concen: 0.28 ng
RT: 3.46 min Scan# 51
Delta R.T. 0.03 min
Lab File: BM004488.D
Acq: 01 Mar 2016 02:35

Tgt Ion: 42 Resp: 479
Ion Ratio Lower Upper
42 100
74 0.0 117.8 176.8#
44 0.0 6.1 9.1#





#4

2-Fluorophenol

Concen: 2.61 ng

RT: 5.22 min Scan# 165

Delta R.T. -0.00 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

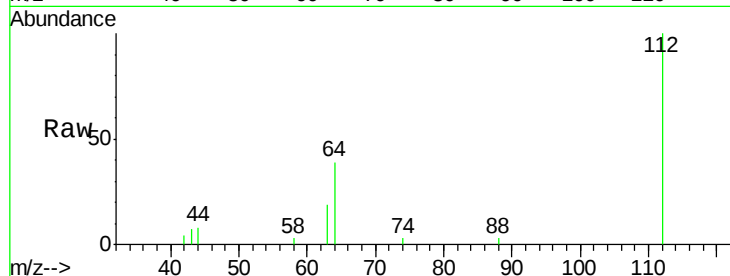
Tgt Ion: 112 Resp: 10389

Ion Ratio Lower Upper

112 100

64 48.5 39.6 59.4

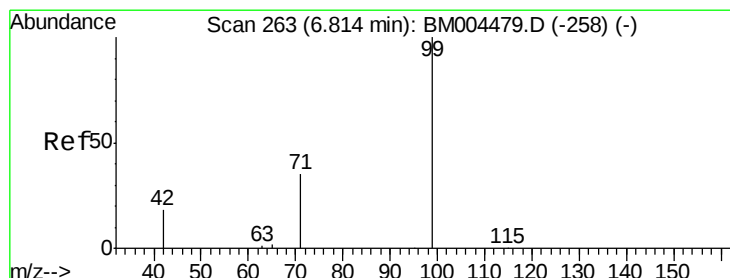
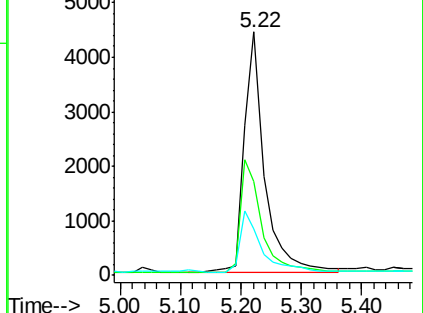
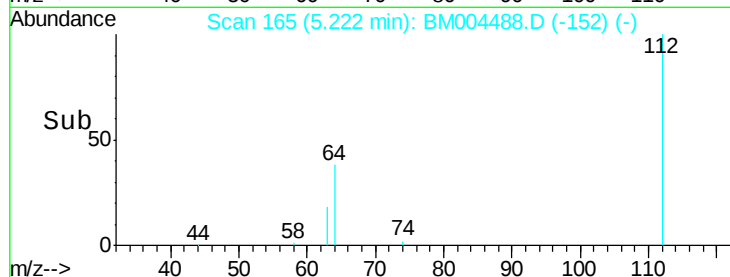
63 26.7 20.0 30.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#5

Phenol-d6

Concen: 1.73 ng

RT: 6.81 min Scan# 263

Delta R.T. -0.00 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

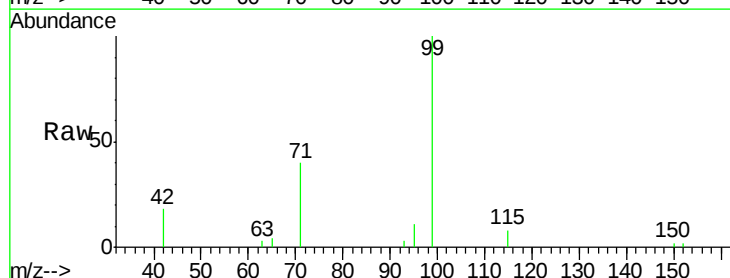
Tgt Ion: 99 Resp: 7771

Ion Ratio Lower Upper

99 100

42 14.7 12.2 18.2

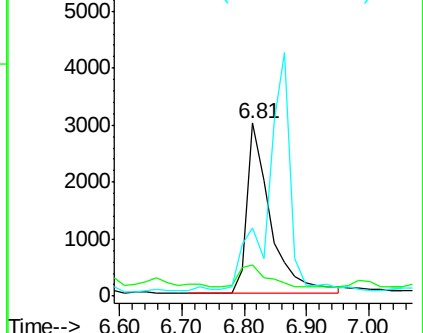
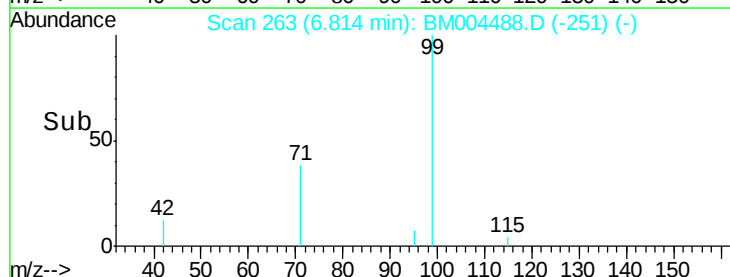
71 0.0 23.4 35.2#

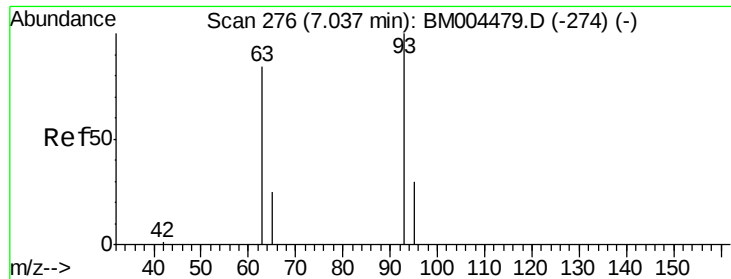


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.07 min Scan# 278

Delta R.T. 0.03 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

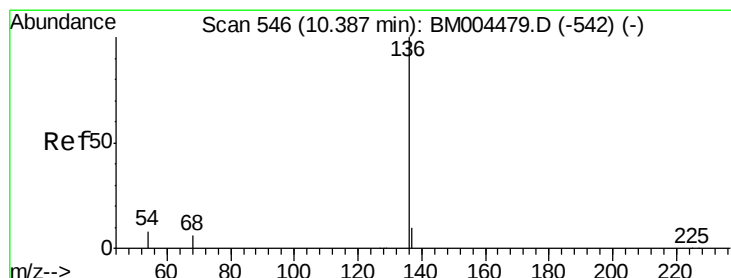
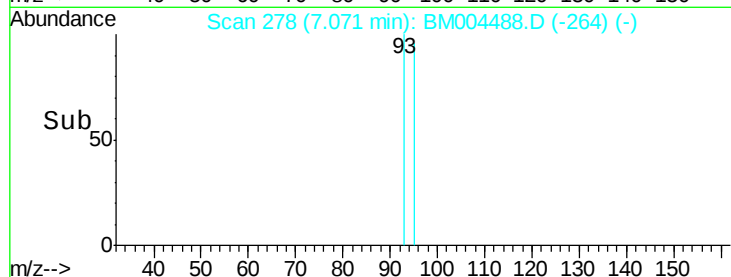
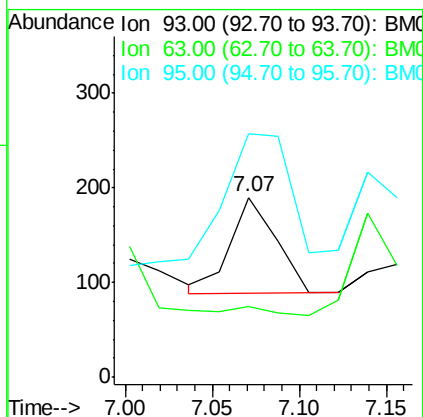
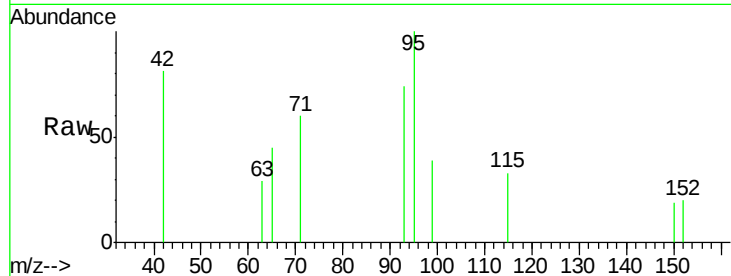
Tgt Ion: 93 Resp: 184

Ion Ratio Lower Upper

93 100

63 0.0 51.7 77.5#

95 193.5 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: BM004488.D

Acq: 01 Mar 2016 02:35

Tgt Ion: 136 Resp: 70048

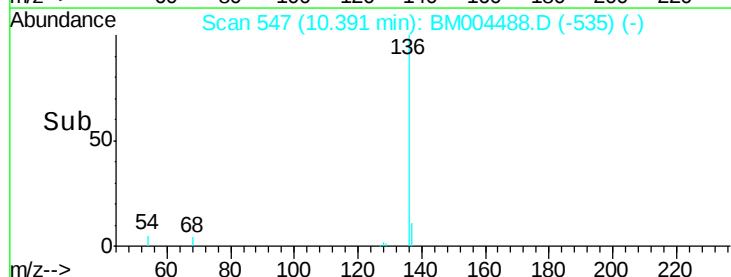
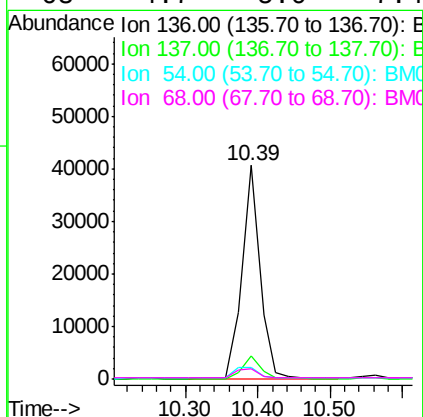
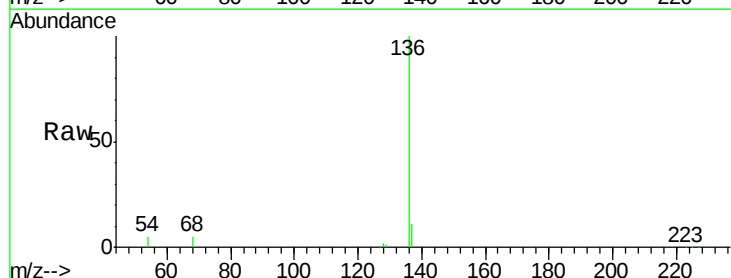
Ion Ratio Lower Upper

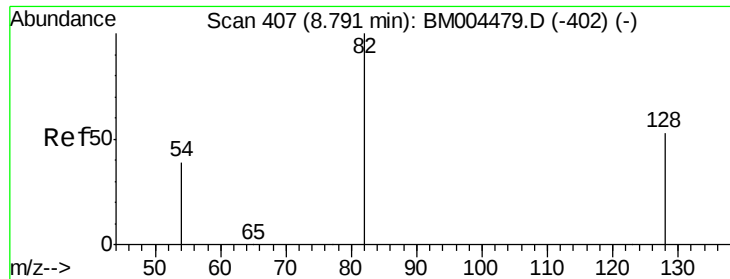
136 100

137 11.0 8.2 12.2

54 5.4 6.4 9.6#

68 4.7 5.0 7.4#





#8

Nitrobenzene-d5

Concen: 4.33 ng

RT: 8.77 min Scan# 406

Delta R.T. -0.02 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

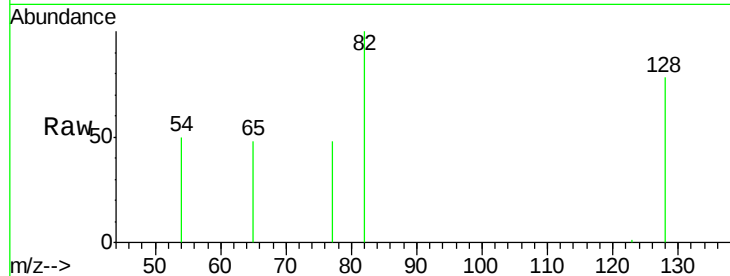
Tgt Ion: 82 Resp: 15428

Ion Ratio Lower Upper

82 100

128 77.6 43.7 65.5#

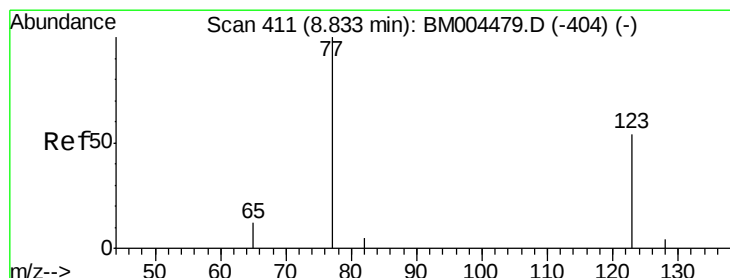
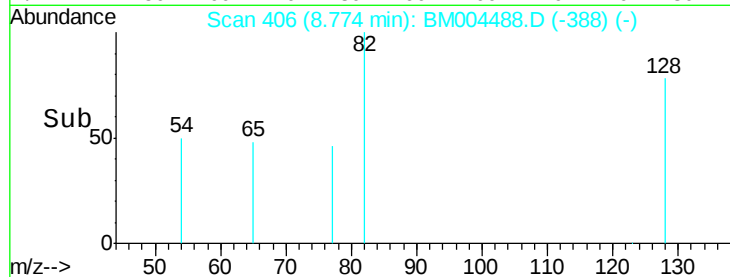
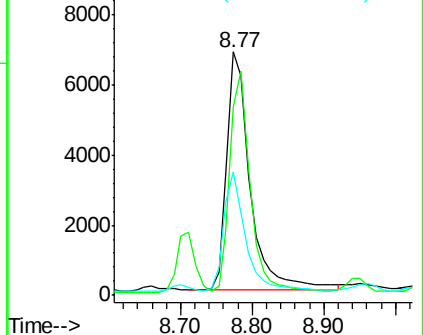
54 50.5 33.5 50.3#



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) (-)



#9

Nitrobenzene

Concen: 1.45 ng

RT: 8.77 min Scan# 406

Delta R.T. -0.06 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

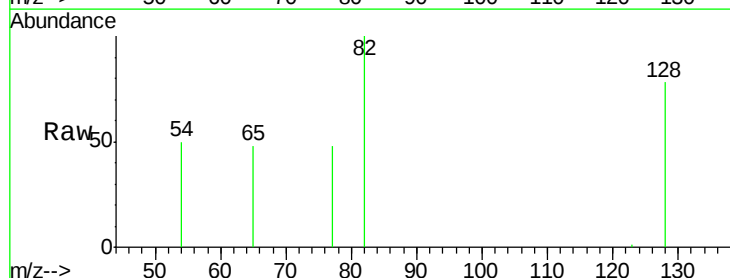
Tgt Ion: 77 Resp: 6985

Ion Ratio Lower Upper

77 100

123 0.0 42.2 63.2#

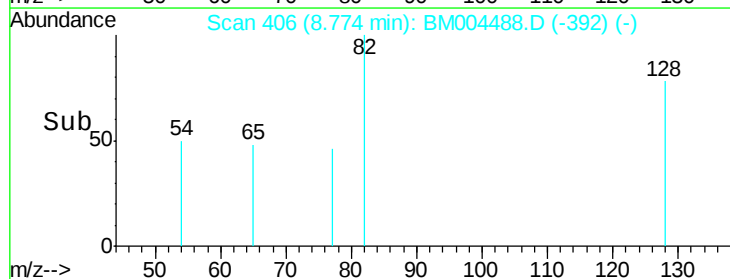
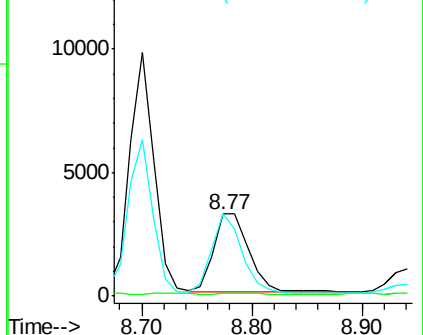
65 87.9 10.0 15.0#

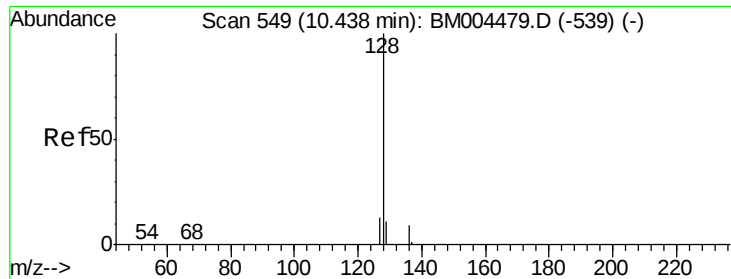


Abundance Ion 77.00 (76.70 to 77.70): BM004479.D (-404) (-)

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

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

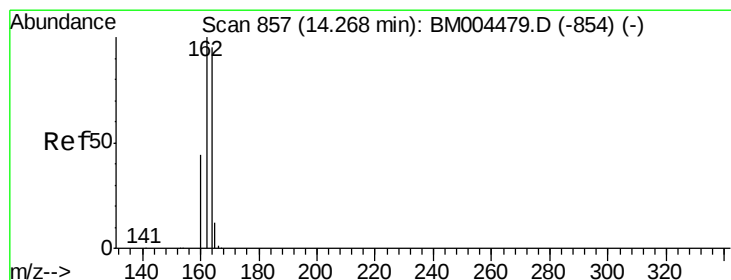
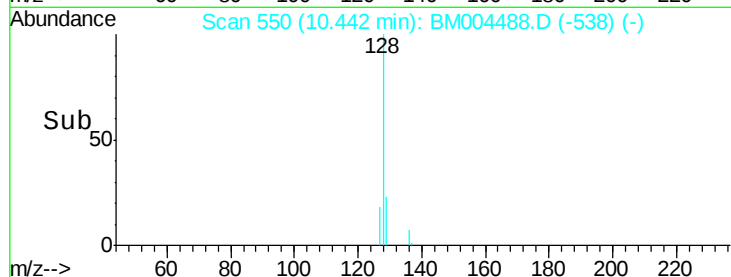
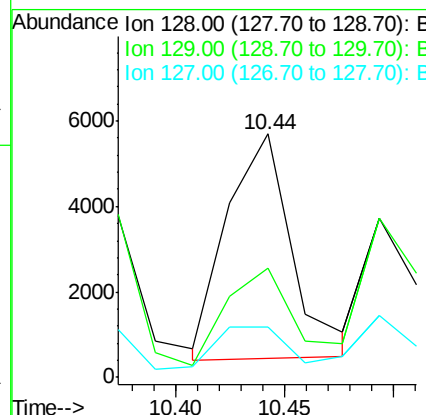
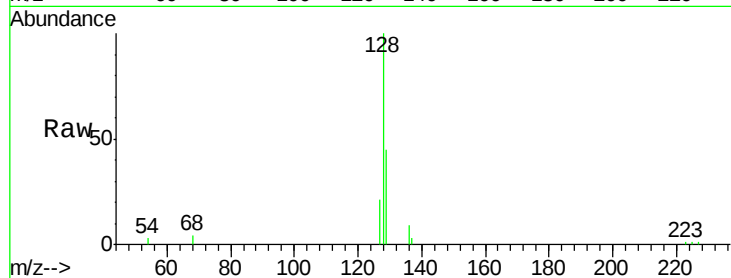




#10
Naphthalene
Concen: 0.53 ng
RT: 10.44 min Scan# 550
Delta R.T. 0.00 min
Lab File: BM004488.D
Acq: 01 Mar 2016 02:35

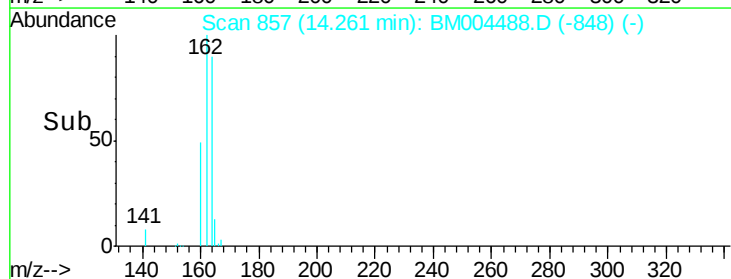
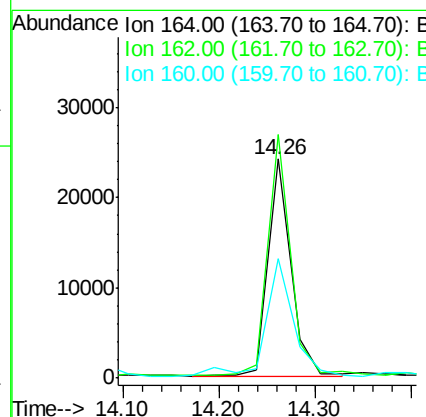
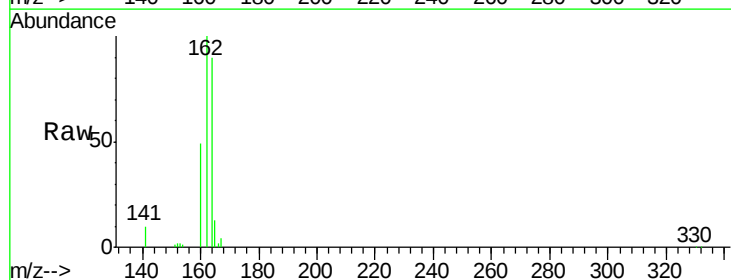
Instrument :
BNA_M
ClientSampleId :
MW-1-FD

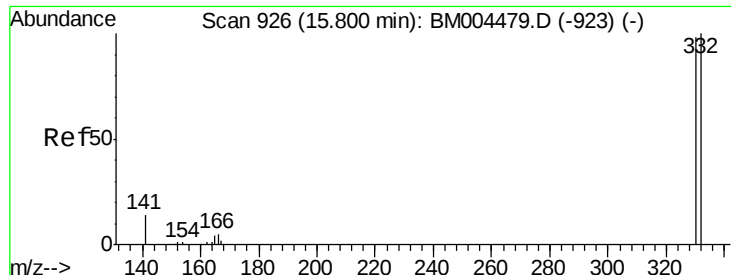
Tgt Ion:128 Resp: 10914
Ion Ratio Lower Upper
128 100
129 44.6 8.9 13.3#
127 20.7 10.9 16.3#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.01 min
Lab File: BM004488.D
Acq: 01 Mar 2016 02:35

Tgt Ion:164 Resp: 39094
Ion Ratio Lower Upper
164 100
162 111.1 84.2 126.4
160 54.8 37.4 56.2

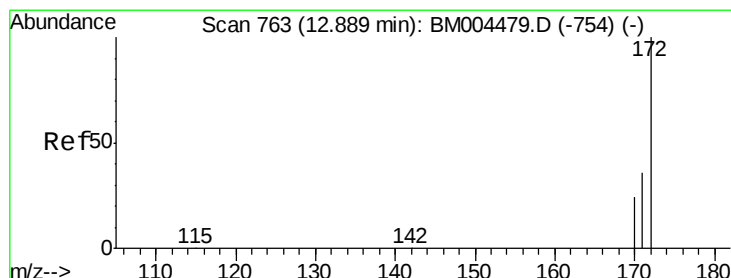
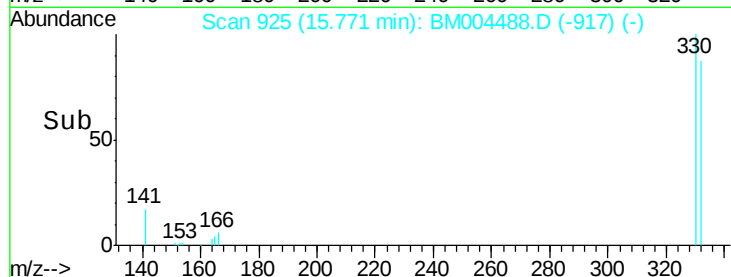
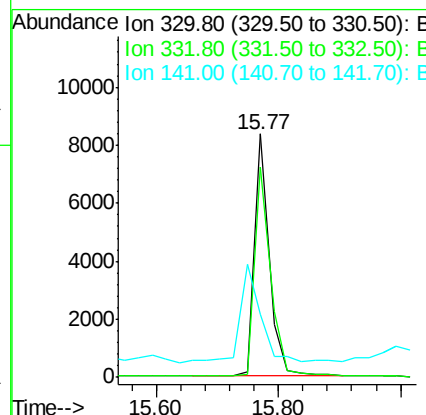
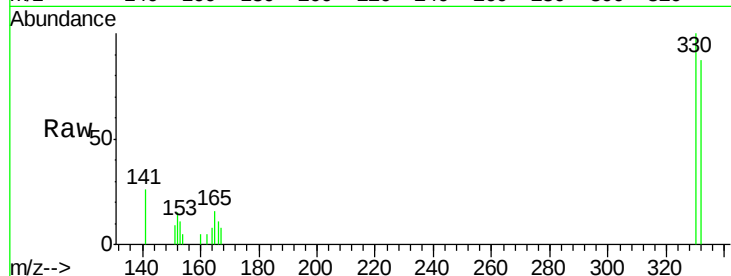




#14
 2,4,6-Tribromophenol
 Concen: 9.42 ng
 RT: 15.77 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BM004488.D
 Acq: 01 Mar 2016 02:35

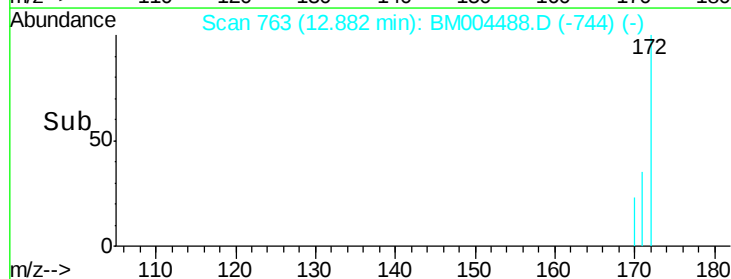
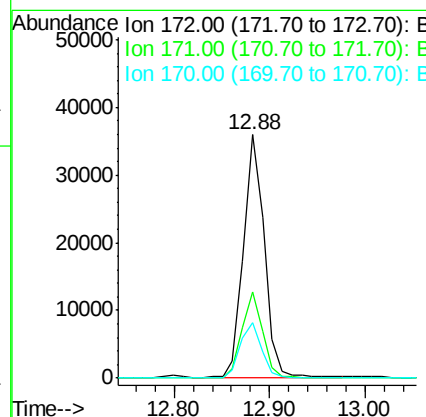
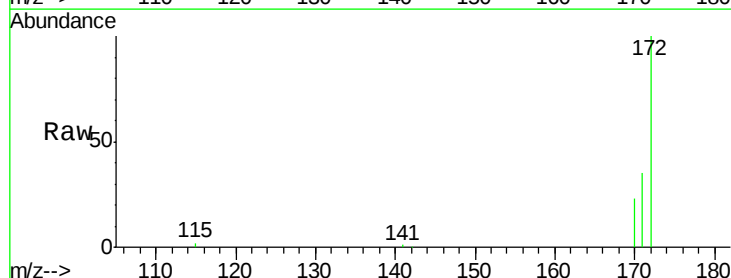
Instrument :
 BNA_M
 ClientSampled :
 MW-1-FD

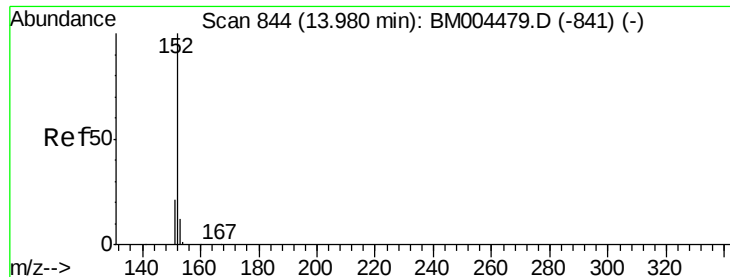
Tgt Ion:330 Resp: 14148
 Ion Ratio Lower Upper
 330 100
 332 92.9 76.1 114.1
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 4.55 ng
 RT: 12.88 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BM004488.D
 Acq: 01 Mar 2016 02:35

Tgt Ion:172 Resp: 54438
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.2 43.8
 170 22.8 19.7 29.5





#16

Acenaphthylene

Concen: 0.35 ng

RT: 13.97 min Scan# 844

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

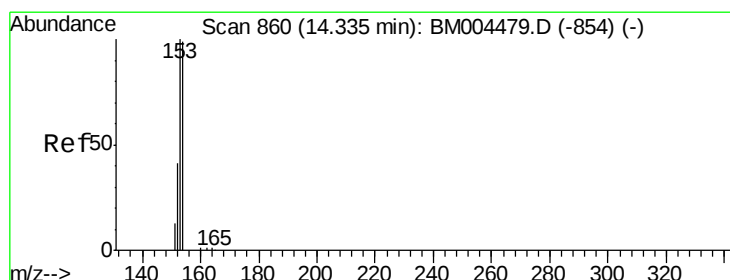
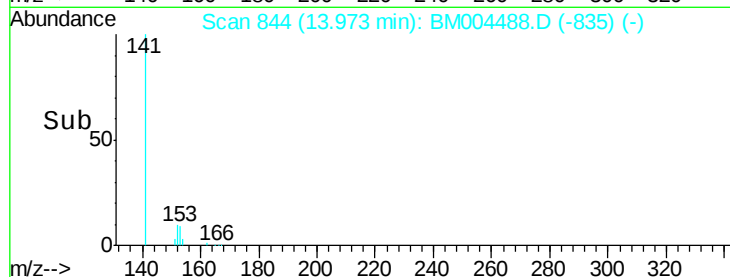
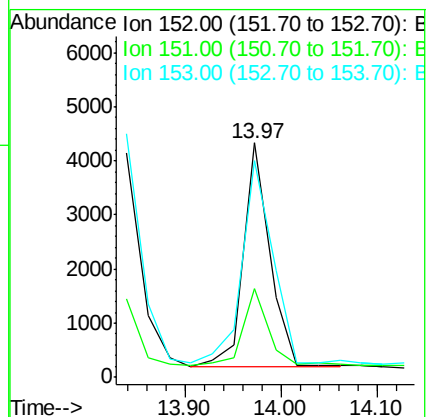
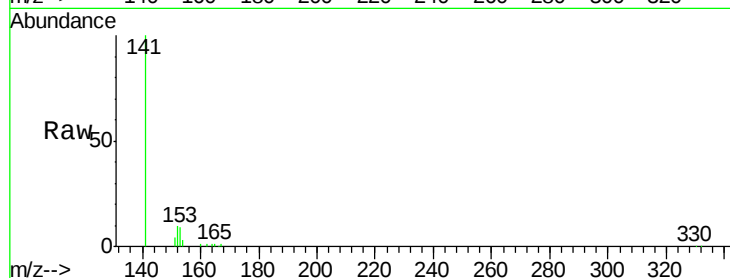
Tgt Ion:152 Resp: 7898

Ion Ratio Lower Upper

152 100

151 34.0 15.8 23.6#

153 105.2 10.2 15.4#



#17

Acenaphthene

Concen: 0.74 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

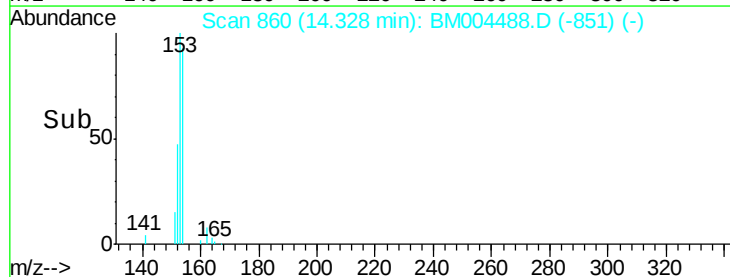
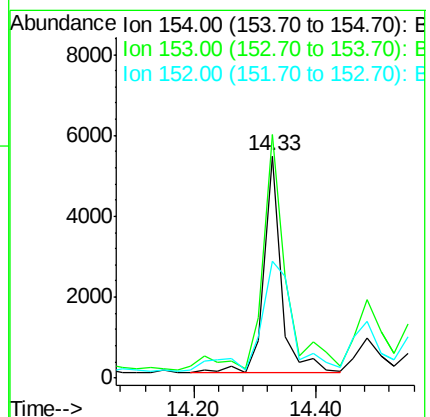
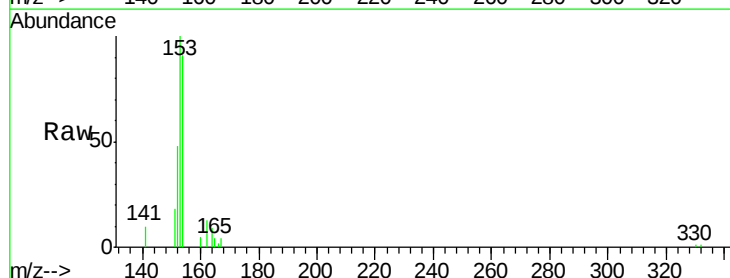
Tgt Ion:154 Resp: 10760

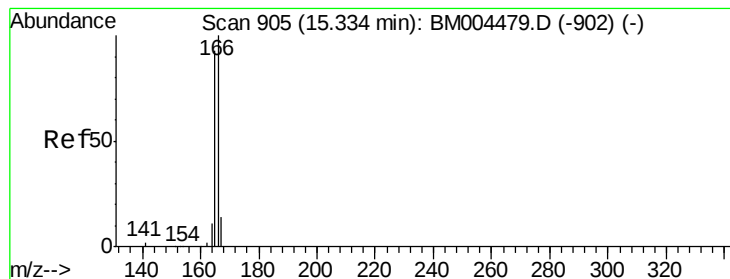
Ion Ratio Lower Upper

154 100

153 131.1 88.0 132.0

152 96.4 41.1 61.7#





#18

Fluorene

Concen: 2.07 ng

RT: 15.33 min Scan# 905

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

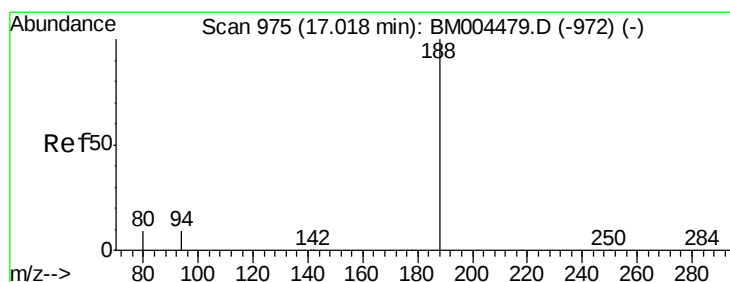
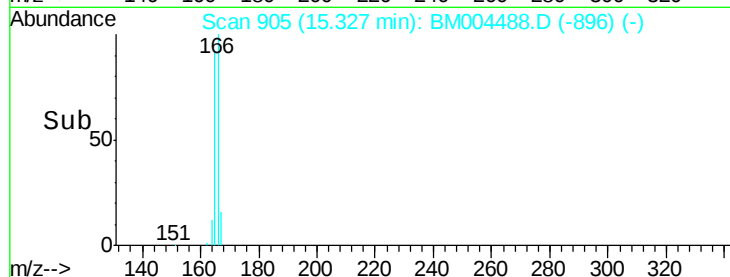
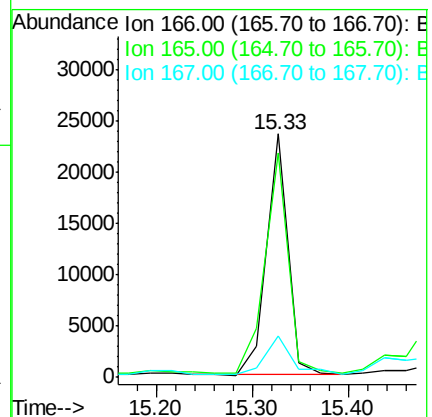
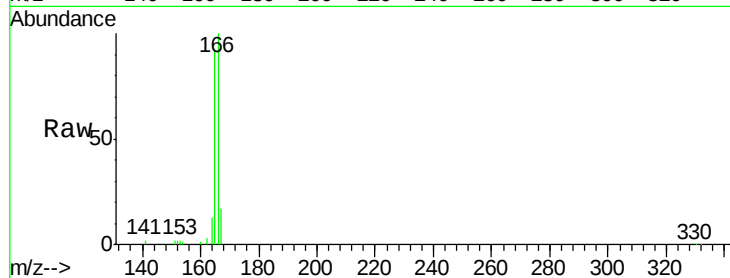
Tgt Ion:166 Resp: 37015

Ion Ratio Lower Upper

166 100

165 99.4 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: BM004488.D

Acq: 01 Mar 2016 02:35

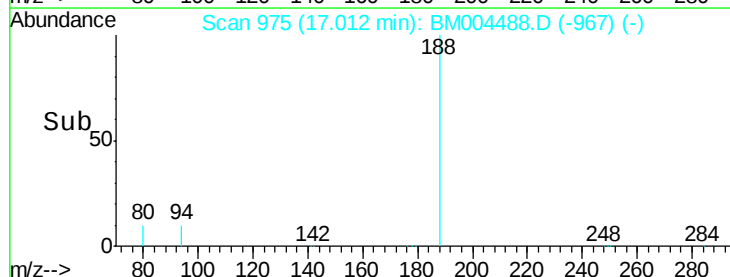
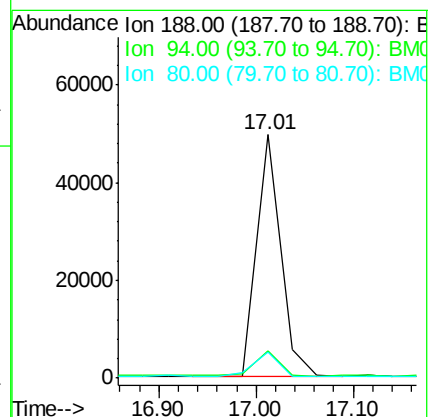
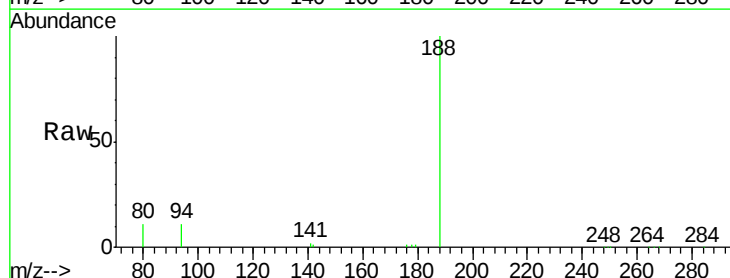
Tgt Ion:188 Resp: 85664

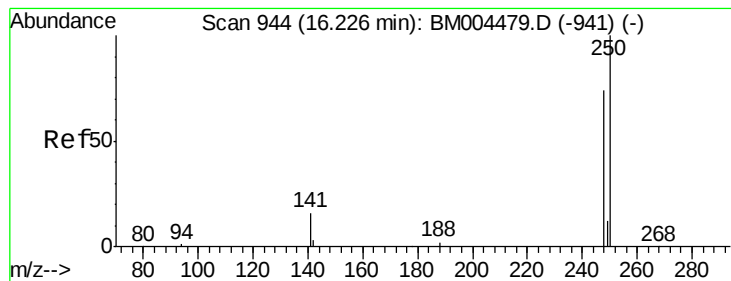
Ion Ratio Lower Upper

188 100

94 11.2 7.4 11.0#

80 10.5 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: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

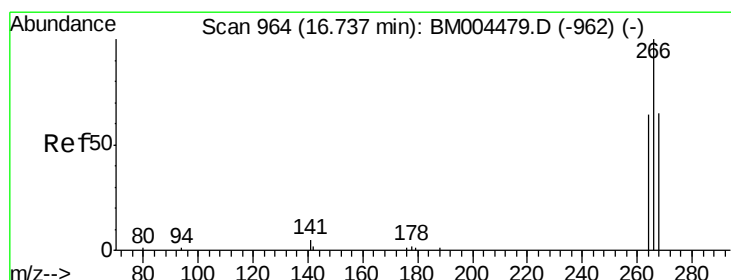
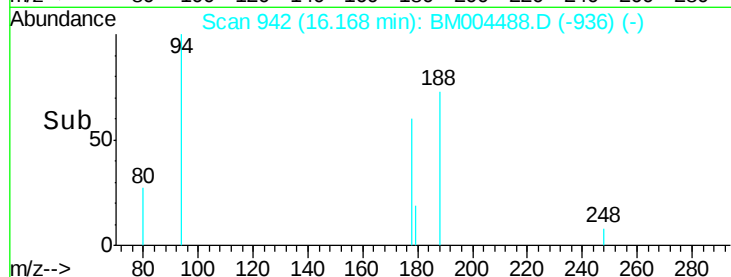
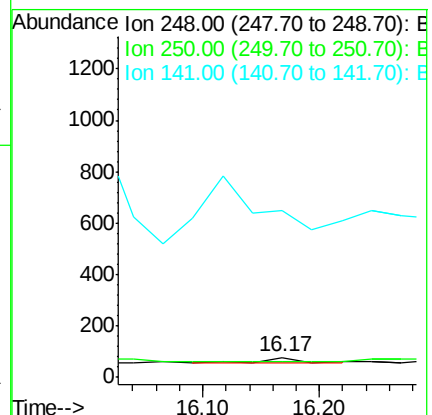
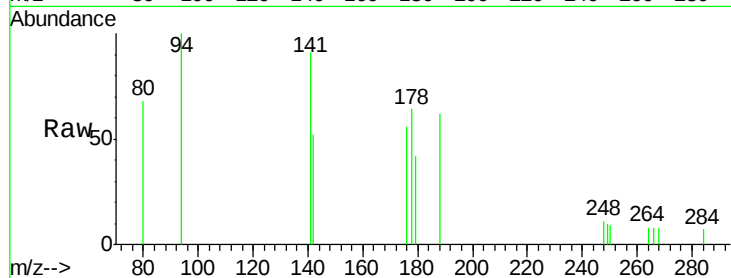
Tgt Ion:248 Resp: 32

Ion Ratio Lower Upper

248 100

250 0.0 81.5 122.3#

141 0.0 0.0 0.0



#22

Pentachlorophenol

Concen: 0.35 ng

RT: 16.70 min Scan# 963

Delta R.T. -0.03 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

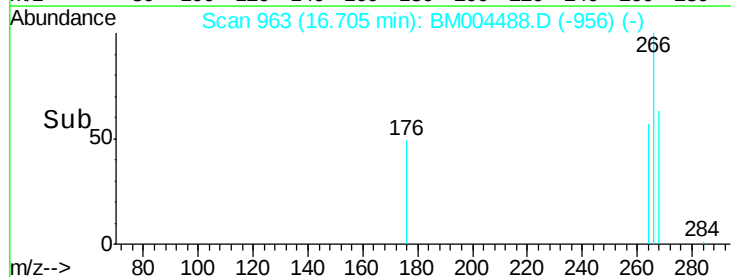
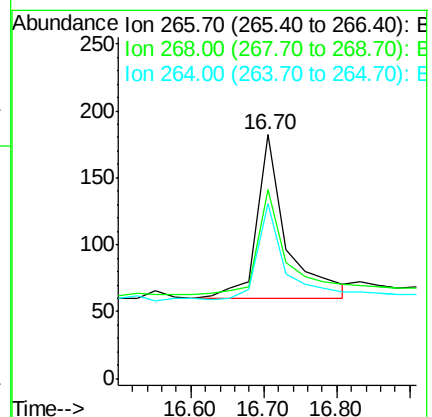
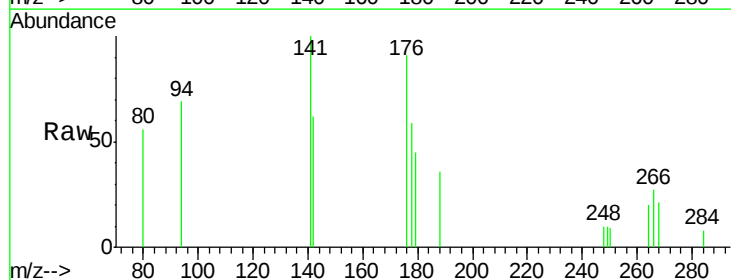
Tgt Ion:266 Resp: 347

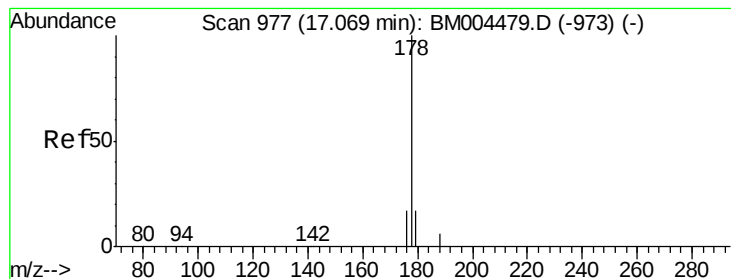
Ion Ratio Lower Upper

266 100

268 77.5 60.7 91.1

264 72.0 57.1 85.7





#23

Phenanthrene

Concen: 0.68 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

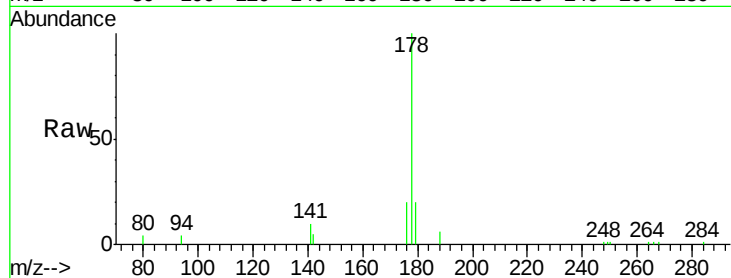
Tgt Ion:178 Resp: 19015

Ion Ratio Lower Upper

178 100

176 21.0 14.7 22.1

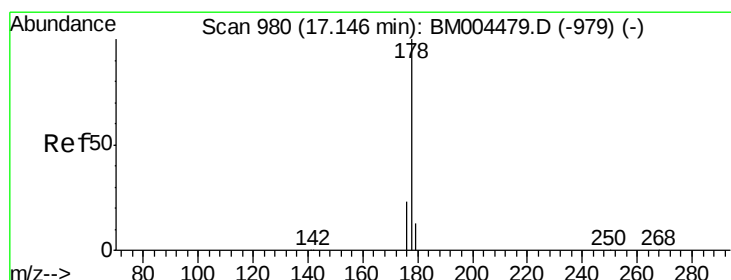
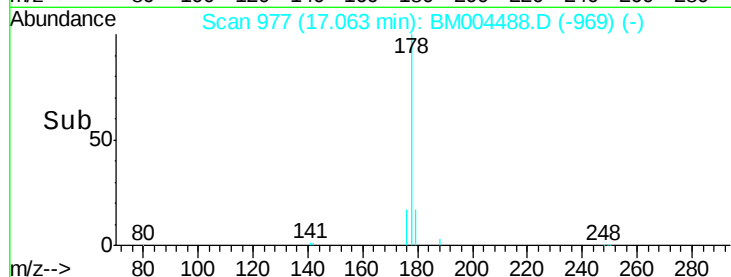
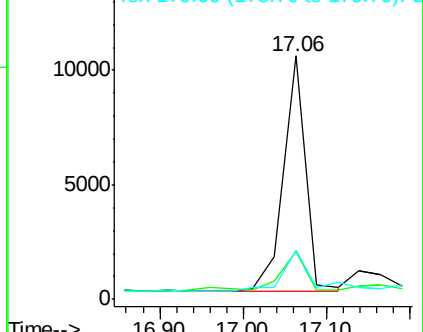
179 25.4 12.9 19.3#



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: 17.14 min Scan# 980

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

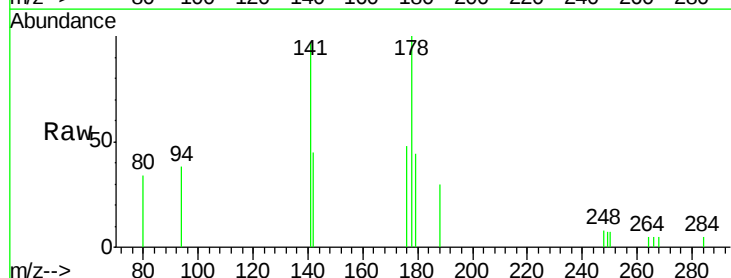
Tgt Ion:178 Resp: 2987

Ion Ratio Lower Upper

178 100

176 0.0 15.6 23.4#

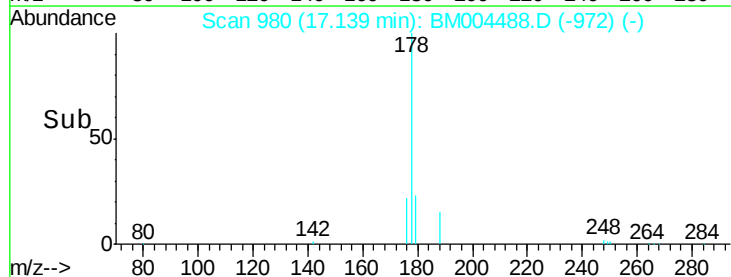
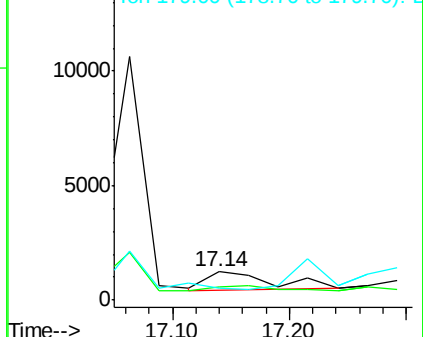
179 0.0 13.6 20.4#

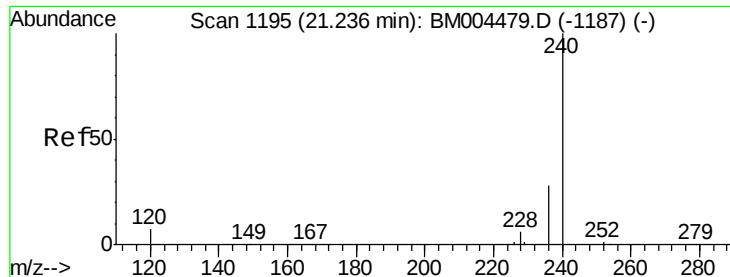


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

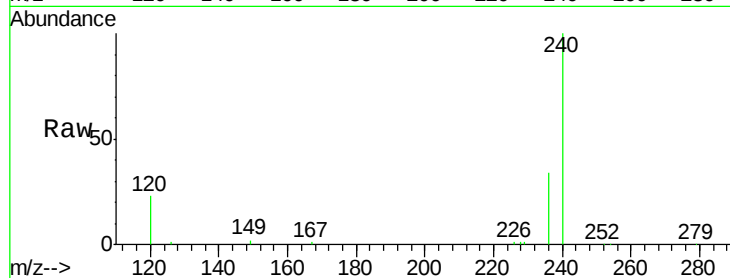




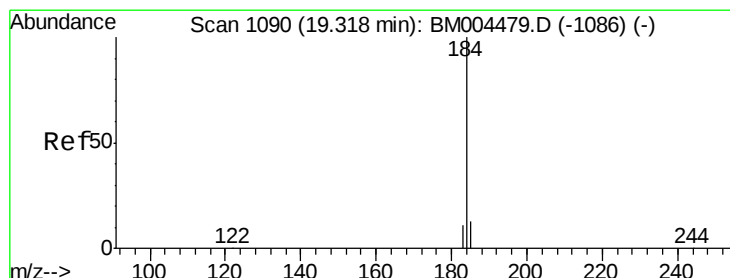
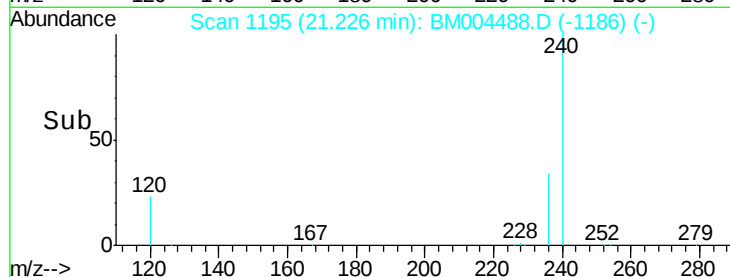
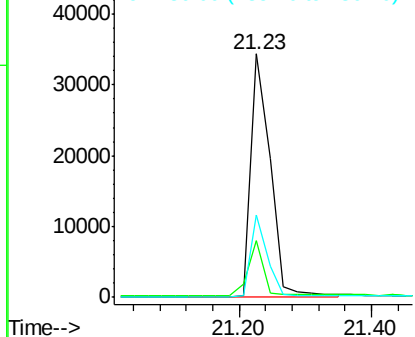
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.23 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BM004488.D
Acq: 01 Mar 2016 02:35

Instrument :
BNA_M
ClientSampleId :
MW-1-FD

Tgt Ion:240 Resp: 69698
Ion Ratio Lower Upper
240 100
120 23.5 6.1 9.1#
236 33.9 22.6 34.0

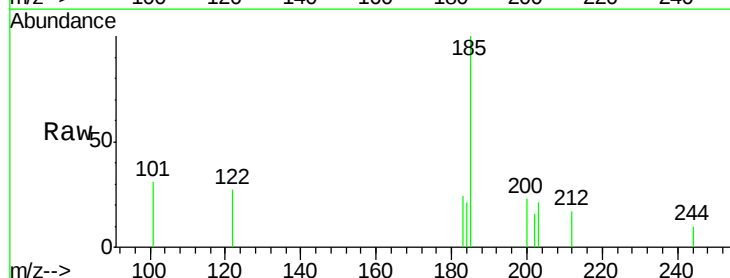


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

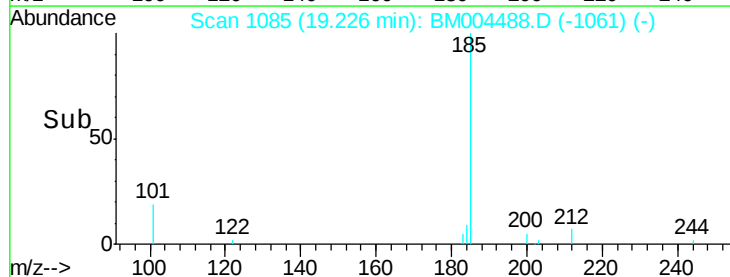
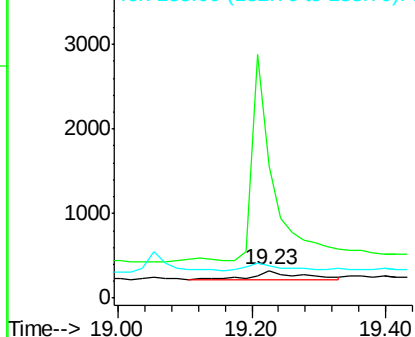


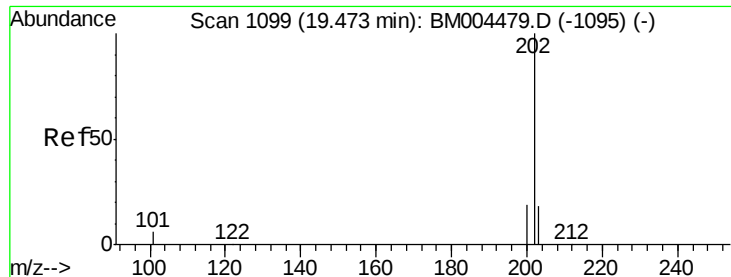
#27
Benzidine
Concen: 0.37 ng
RT: 19.23 min Scan# 1085
Delta R.T. -0.09 min
Lab File: BM004488.D
Acq: 01 Mar 2016 02:35

Tgt Ion:184 Resp: 488
Ion Ratio Lower Upper
184 100
185 474.2 16.6 24.8#
183 114.9 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: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

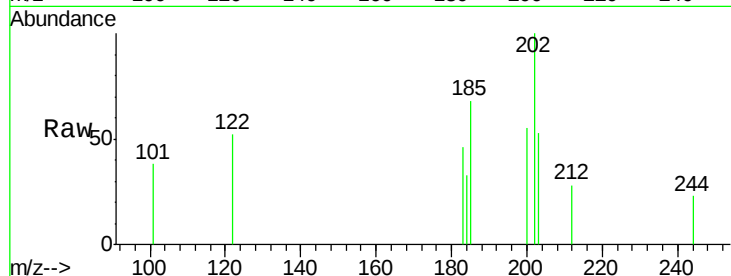
Tgt Ion: 202 Resp: 756

Ion Ratio Lower Upper

202 100

200 43.3 16.6 24.8#

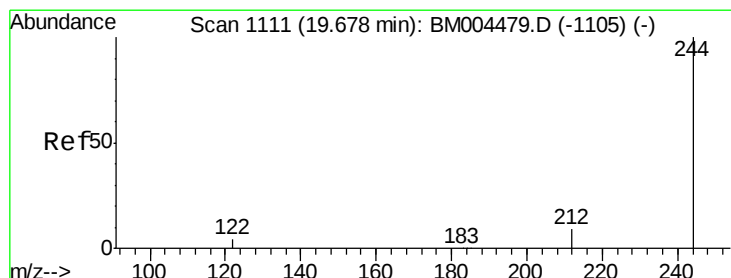
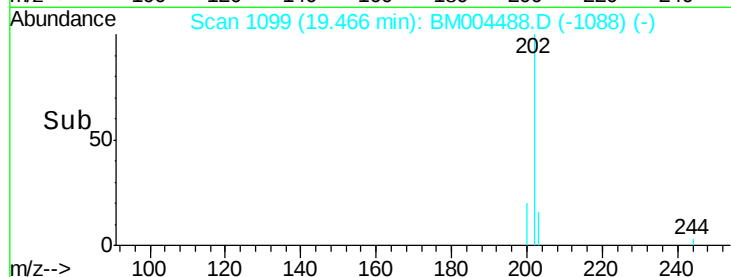
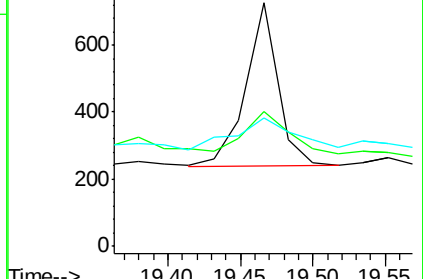
203 35.2 14.1 21.1#



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: 5.52 ng

RT: 19.67 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

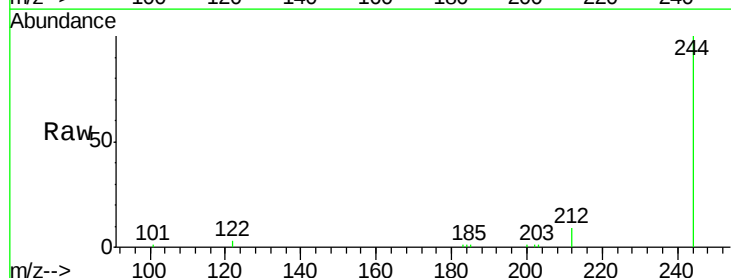
Tgt Ion: 244 Resp: 49556

Ion Ratio Lower Upper

244 100

212 9.3 7.5 11.3

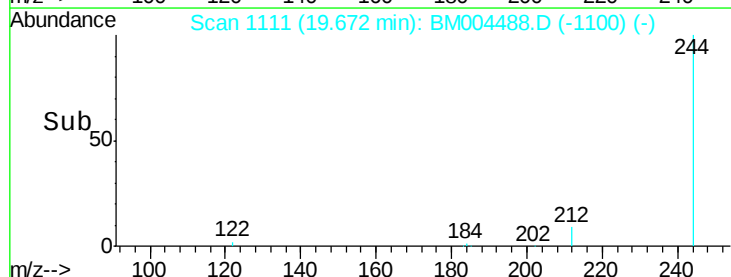
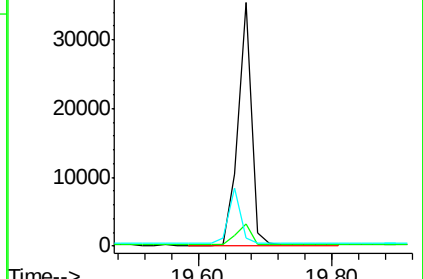
122 3.5 4.2 6.2#

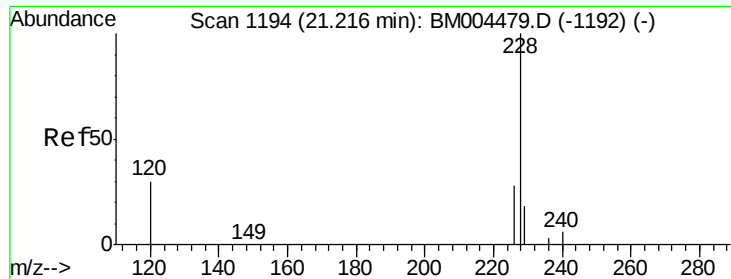


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.12 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.05 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

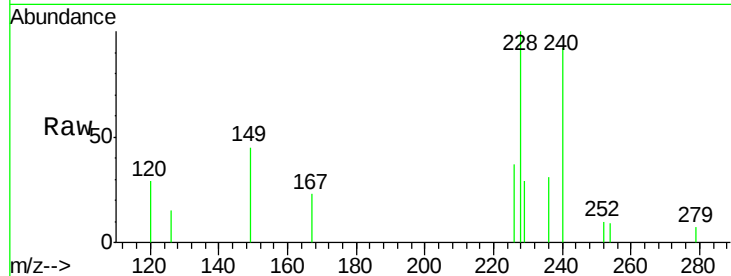
Tgt Ion:228 Resp: 3021

Ion Ratio Lower Upper

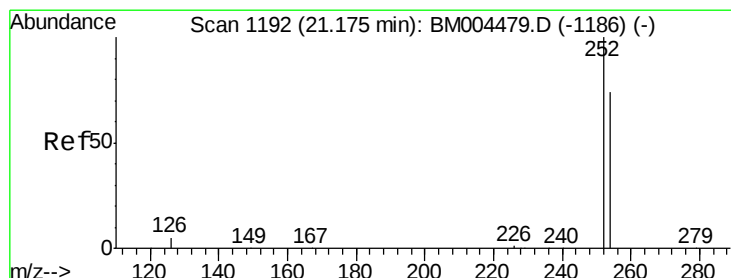
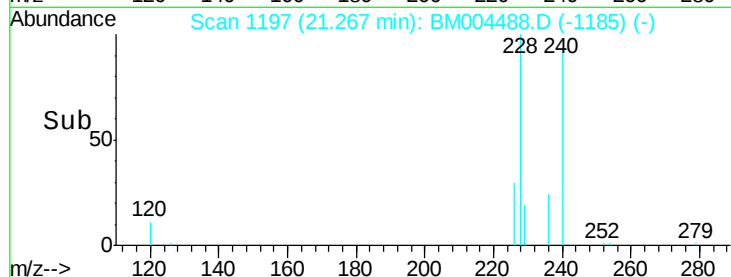
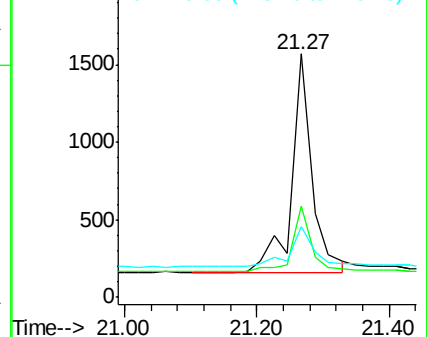
228 100

226 37.5 22.8 34.2#

229 29.1 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: 21.14 min Scan# 1191

Delta R.T. -0.03 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

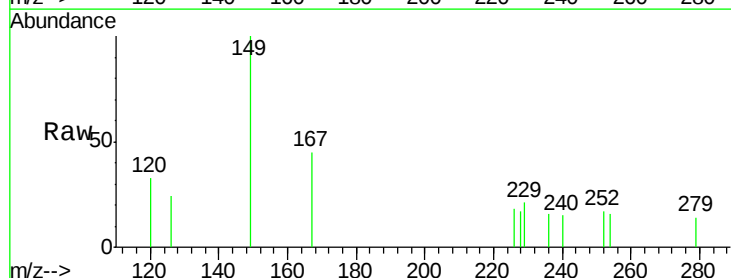
Tgt Ion:252 Resp: 39

Ion Ratio Lower Upper

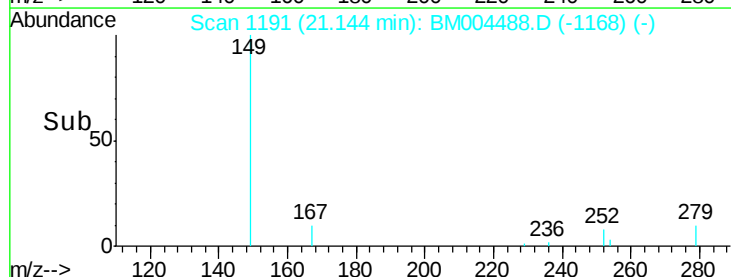
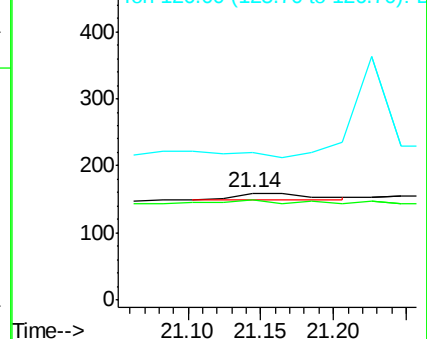
252 100

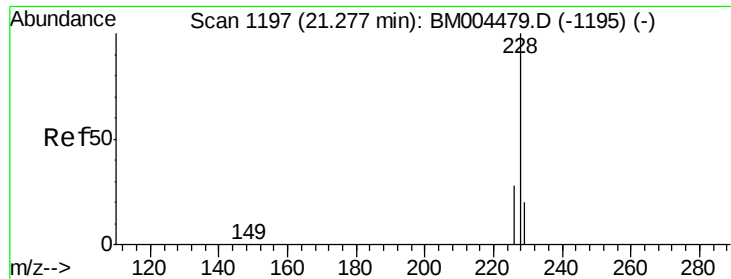
254 94.3 59.4 89.0#

126 138.4 5.5 8.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

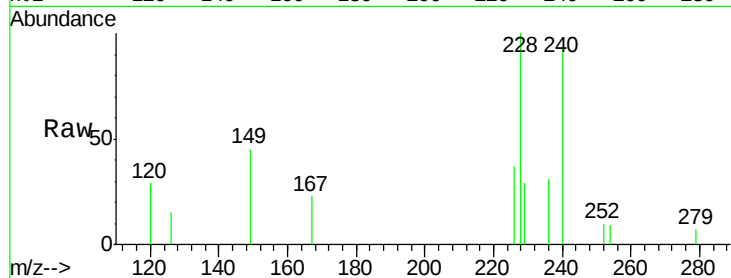
Tgt Ion: 228 Resp: 3189

Ion Ratio Lower Upper

228 100

226 37.5 21.4 32.2#

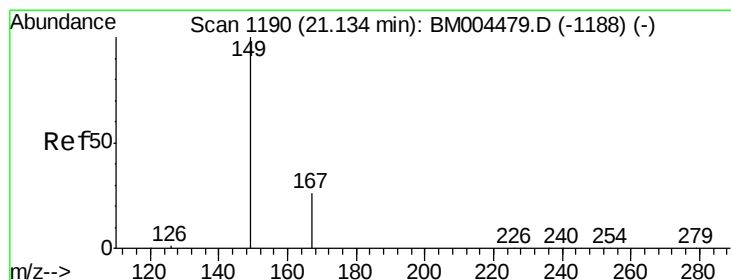
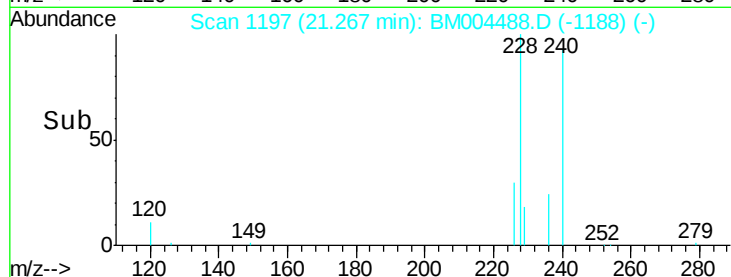
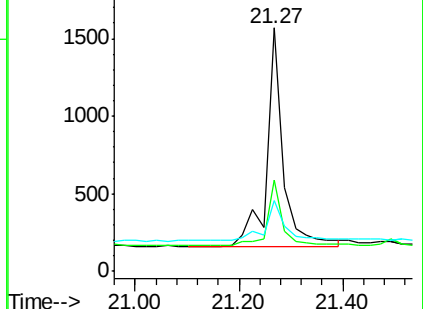
229 29.1 17.1 25.7#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.05 ng

RT: 21.12 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

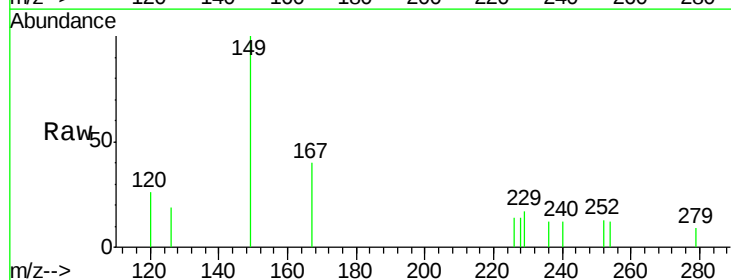
Tgt Ion: 149 Resp: 962

Ion Ratio Lower Upper

149 100

167 24.8 21.2 31.8

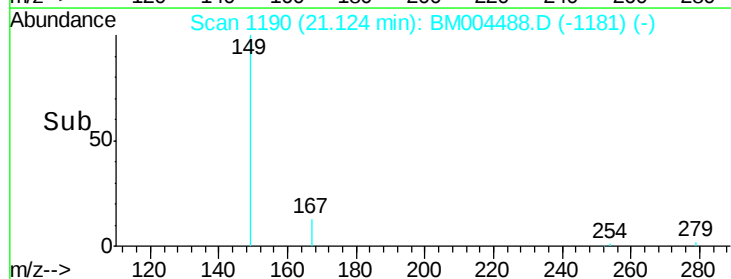
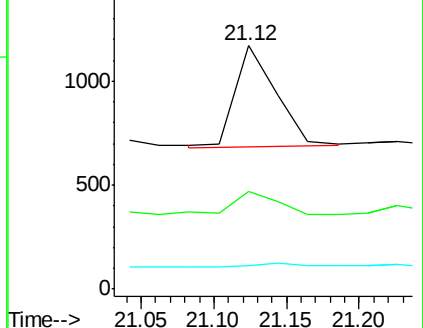
279 0.0 0.0 0.0

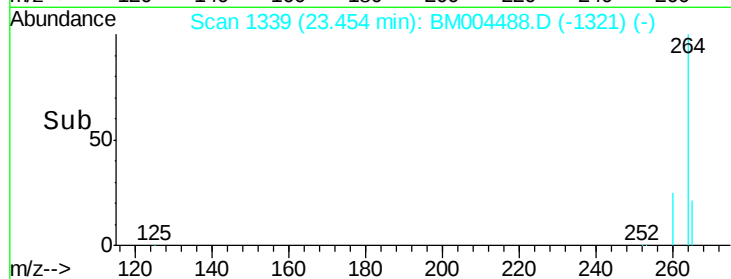
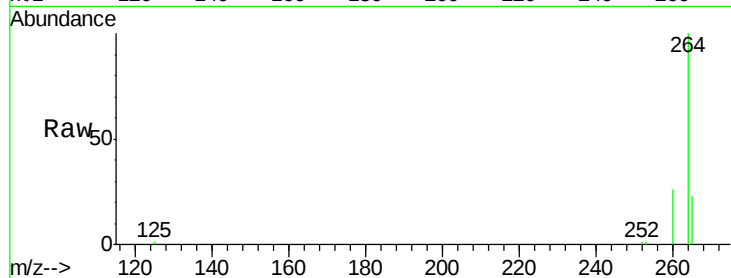
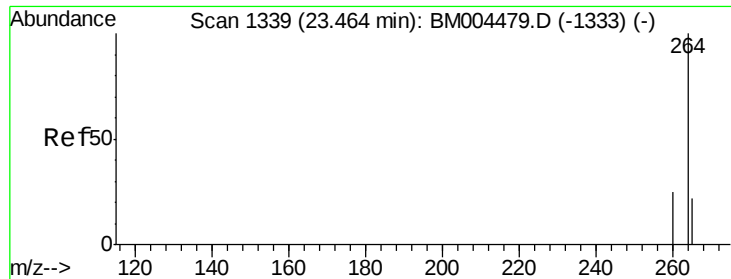


Abundance Ion 149.00 (148.70 to 149.70): E

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# 1339

Delta R.T. -0.01 min

Lab File: BM004488.D

Acq: 01 Mar 2016 02:35

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

Tgt Ion: 264 Resp: 65376

Ion Ratio Lower Upper

264 100

260 25.6 19.8 29.6

265 22.8 18.9 28.3

