

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022916\
 Data File : BM004494.D
 Acq On : 01 Mar 2016 06:54
 Operator : SJ/UM
 Sample : H1509-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-3

Quant Time: Mar 01 07:35:16 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	17386	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	70286	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	52454	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	84317	5.00	ng	0.00
26) Chrysene-d12	21.23	240	66796	5.00	ng	-0.01
35) Perylene-d12	23.45	264	65885	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	7497	1.86	ng	0.00
5) Phenol-d6	6.83	99	6604	1.45	ng	0.02
8) Nitrobenzene-d5	8.78	82	11787	3.29	ng	0.00
14) 2,4,6-Tribromophenol	15.77	330	13498	6.70	ng	-0.03
15) 2-Fluorobiphenyl	12.88	172	45207	2.81	ng	0.00
29) Terphenyl-d14	19.67	244	47736	5.55	ng	0.00

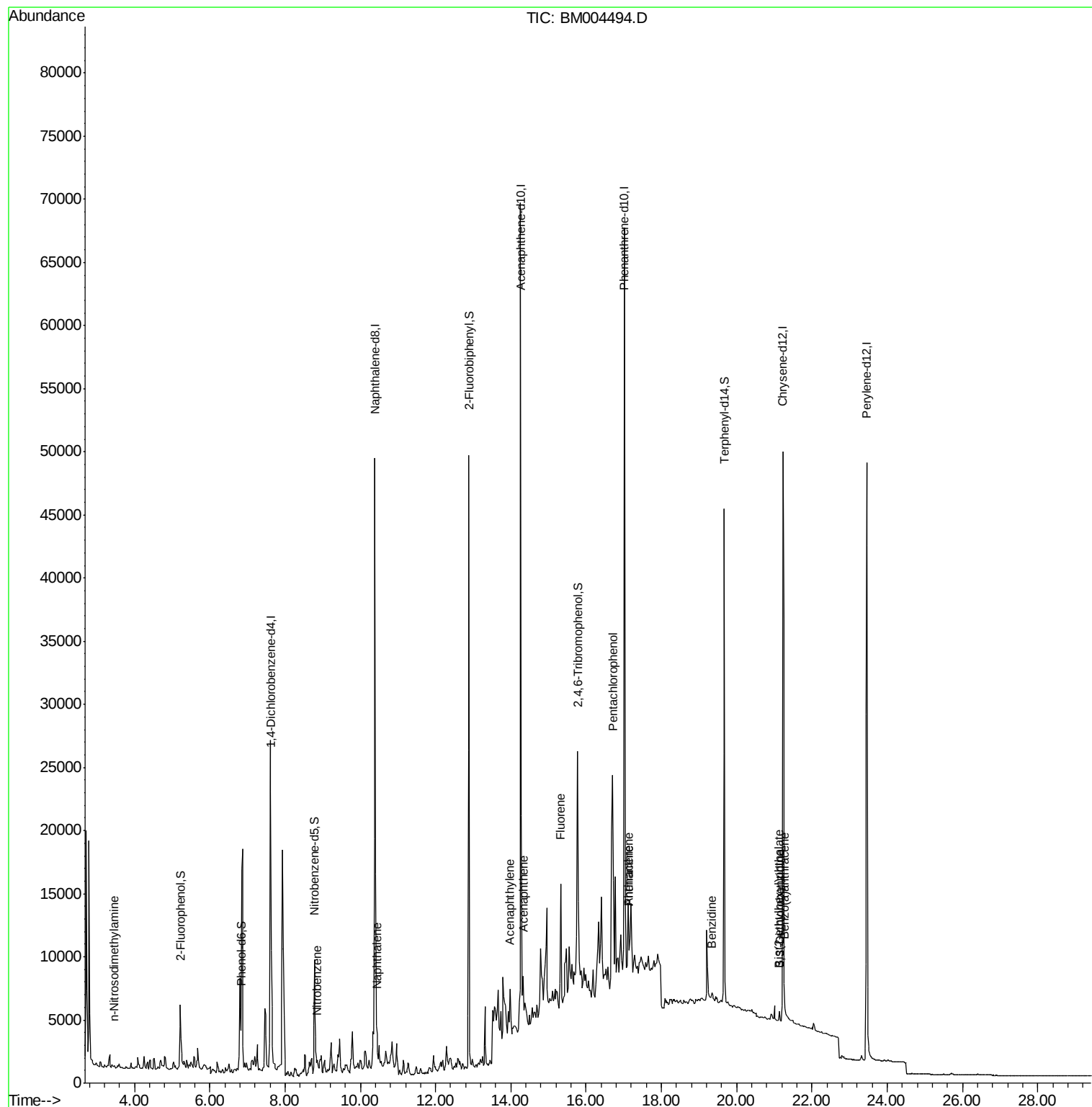
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.46	42	168	0.10	ng	# 1
9) Nitrobenzene	8.86	77	483	0.10	ng	# 71
10) Naphthalene	10.44	128	1846	0.06	ng	# 18
16) Acenaphthylene	13.97	152	679	0.02	ng	# 1
17) Acenaphthene	14.33	154	3730	0.19	ng	# 86
18) Fluorene	15.33	166	6376	0.27	ng	# 92
20) 4-Bromophenyl-phenylether	16.17	248	103	Below Cal		# 1
22) Pentachlorophenol	16.70	266	20468	13.33	ng	# 89
23) Phenanthrene	17.14	178	3093	0.13	ng	# 66
24) Anthracene	17.14	178	2854	0.11	ng	# 45
27) Benzidine	19.35	184	240	0.35	ng	# 1
30) Benzo(a)anthracene	21.27	228	2156	0.09	ng	# 58
31) 3,3'-Dichlorobenzidine	21.14	252	38	0.14	ng	# 44
32) Chrysene	21.27	228	2248	Below Cal		# 59
33) Bis(2-ethylhexyl)phthalate	21.12	149	1431	0.07	ng	# 48

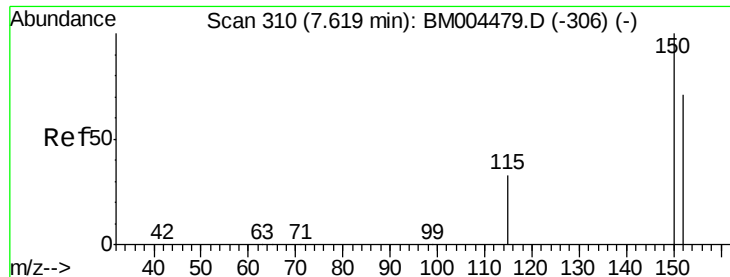
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

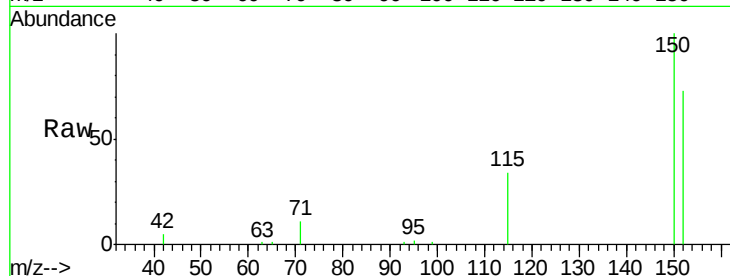
Tgt Ion:152 Resp: 17386

Ion Ratio Lower Upper

152 100

150 136.5 111.9 167.9

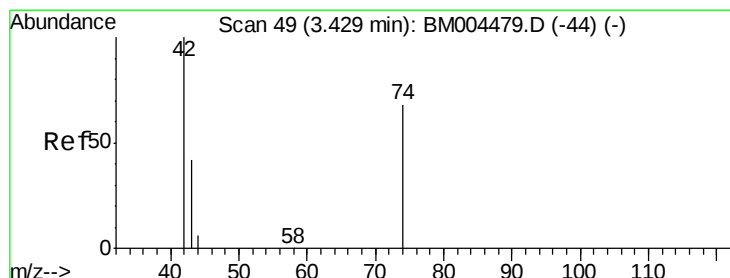
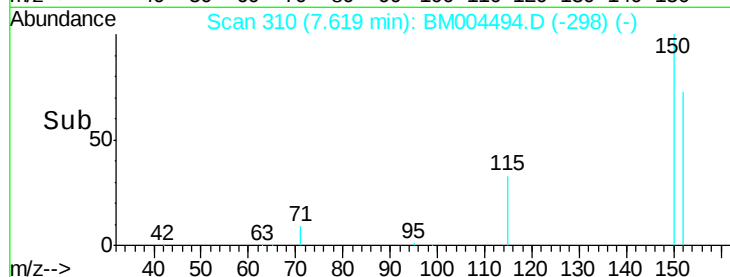
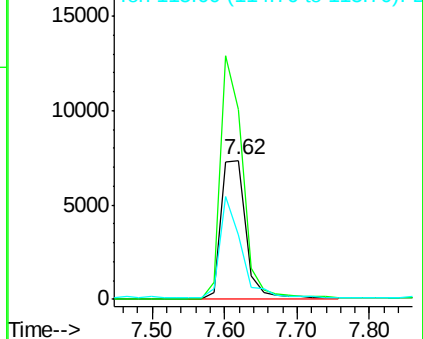
115 46.2 37.7 56.5



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: 0.10 ng

RT: 3.46 min Scan# 51

Delta R.T. 0.03 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

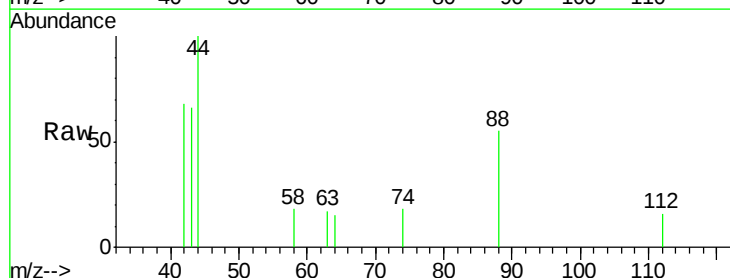
Tgt Ion: 42 Resp: 168

Ion Ratio Lower Upper

42 100

74 0.0 117.8 176.8#

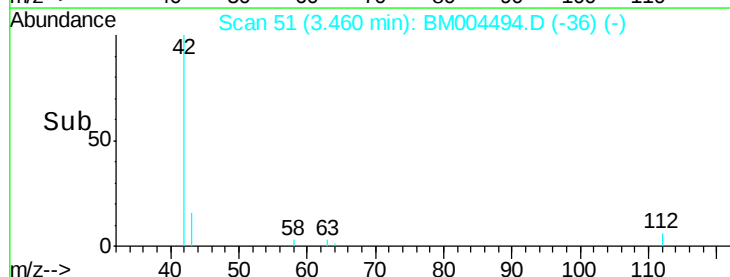
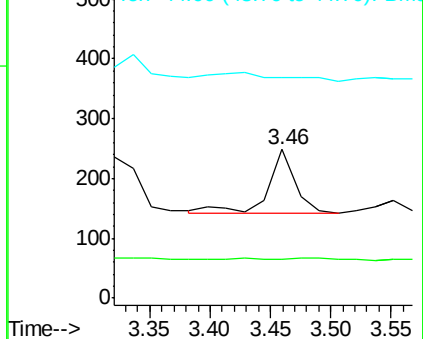
44 0.0 6.1 9.1#

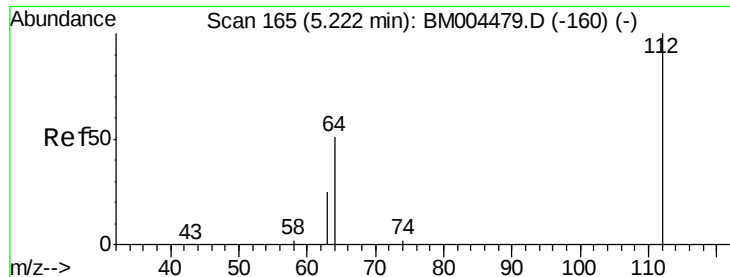


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 1.86 ng

RT: 5.22 min Scan# 165

Delta R.T. -0.00 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampled :

MW-3

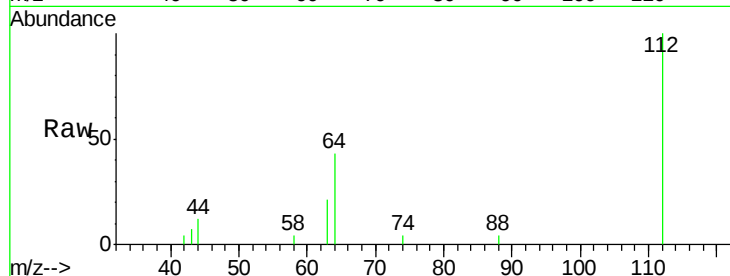
Tgt Ion: 112 Resp: 7497

Ion Ratio Lower Upper

112 100

64 47.7 39.6 59.4

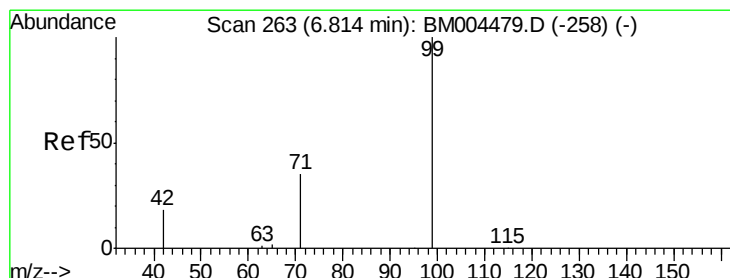
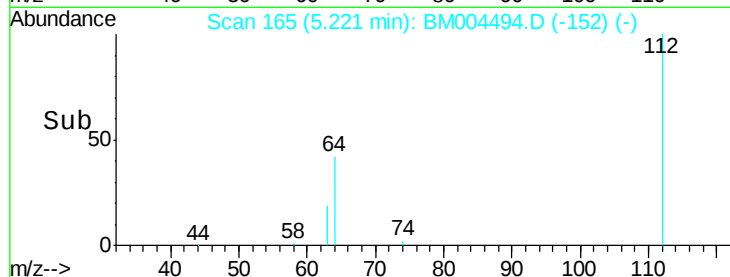
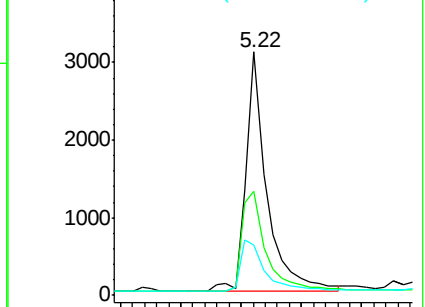
63 24.4 20.0 30.0



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: 1.45 ng

RT: 6.83 min Scan# 264

Delta R.T. 0.02 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

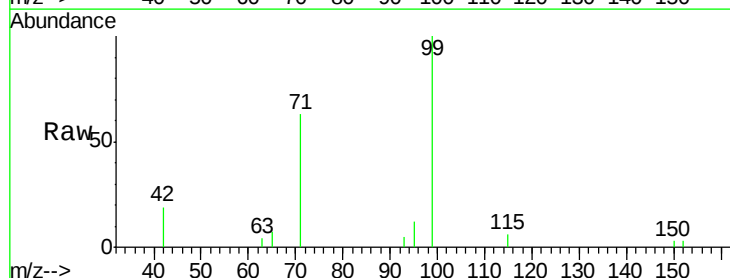
Tgt Ion: 99 Resp: 6604

Ion Ratio Lower Upper

99 100

42 0.0 12.2 18.2#

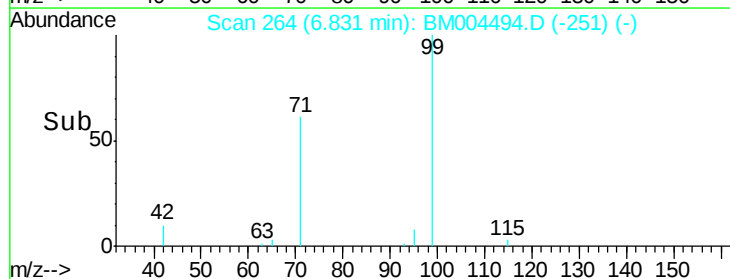
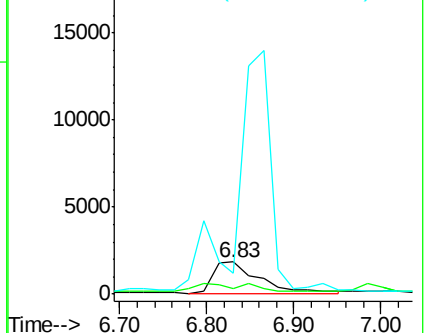
71 0.0 23.4 35.2#

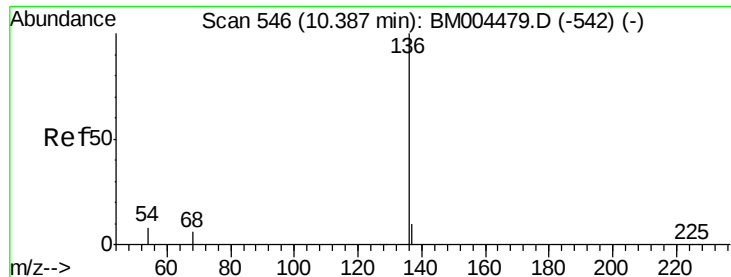


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 547

Delta R.T. 0.00 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

Tgt Ion:136 Resp: 70286

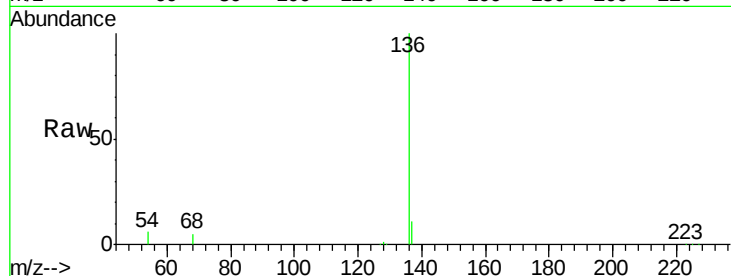
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.2

54 6.2 6.4 9.6#

68 5.5 5.0 7.4



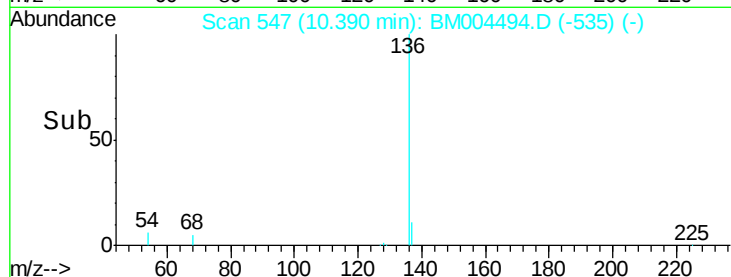
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM

Time-->



Abundance

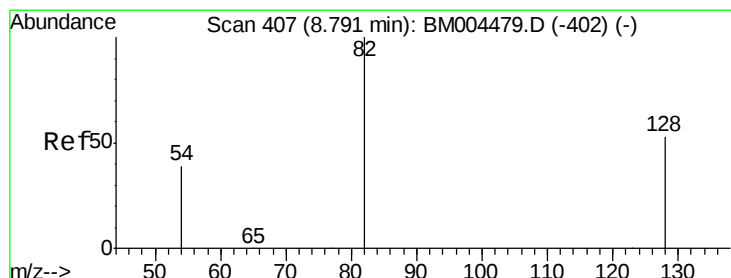
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM

Time-->



#8

Nitrobenzene-d5

Concen: 3.29 ng

RT: 8.78 min Scan# 407

Delta R.T. -0.01 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

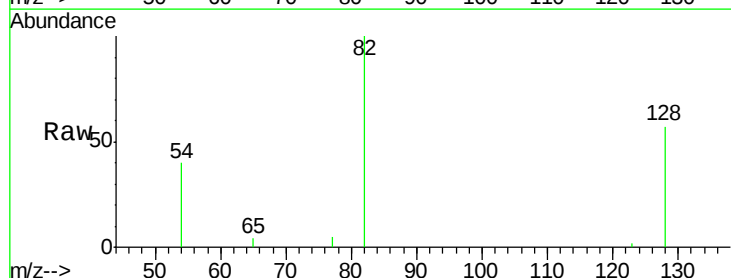
Tgt Ion: 82 Resp: 11787

Ion Ratio Lower Upper

82 100

128 56.6 43.7 65.5

54 39.7 33.5 50.3

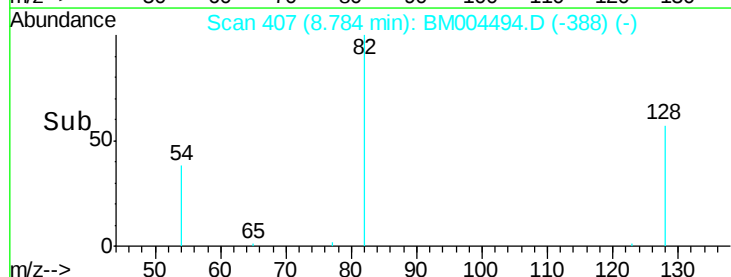


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

Time-->



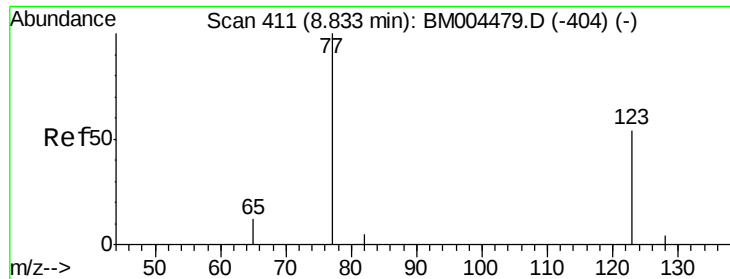
Abundance

Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

Time-->



#9

Nitrobenzene

Concen: 0.10 ng

RT: 8.86 min Scan# 414

Delta R.T. 0.02 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampled :

MW-3

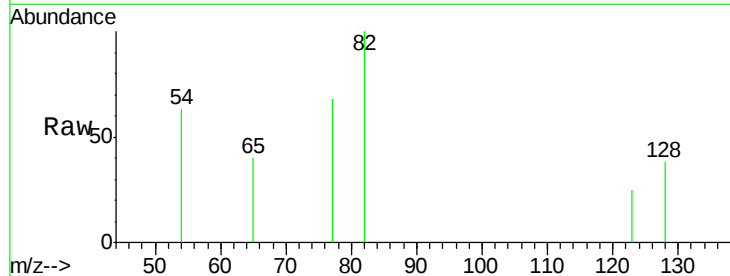
Tgt Ion: 77 Resp: 483

Ion Ratio Lower Upper

77 100

123 54.2 42.2 63.2

65 67.9 10.0 15.0#



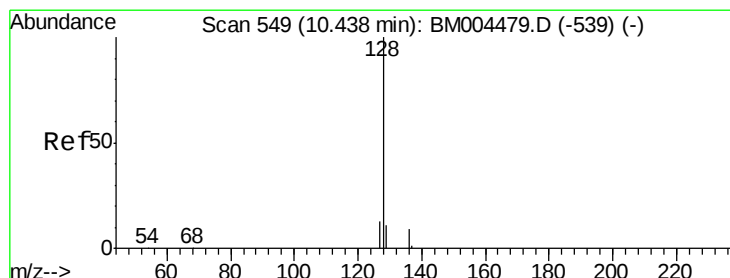
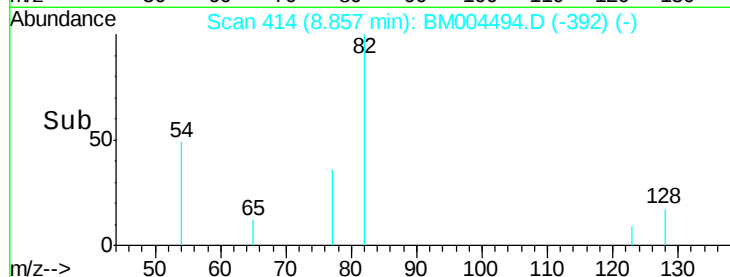
Abundance Ion 77.00 (76.70 to 77.70): BM004479.D (-404) (-)

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

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

Time-->

8.80 8.85 8.90



#10

Naphthalene

Concen: 0.06 ng

RT: 10.44 min Scan# 550

Delta R.T. 0.00 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

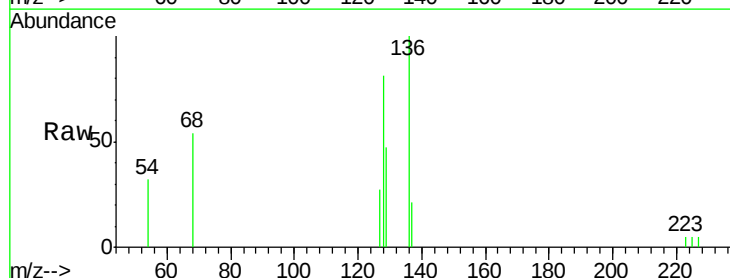
Tgt Ion: 128 Resp: 1846

Ion Ratio Lower Upper

128 100

129 57.9 8.9 13.3#

127 33.1 10.9 16.3#



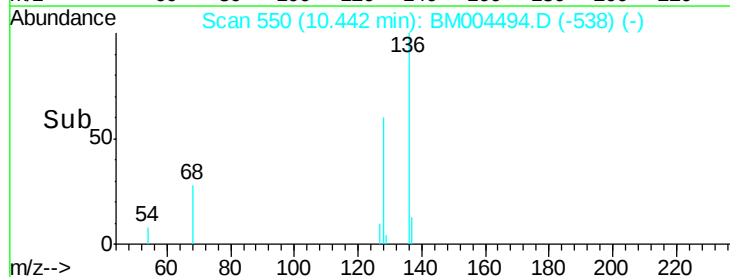
Abundance Ion 128.00 (127.70 to 128.70): BM004479.D (-539) (-)

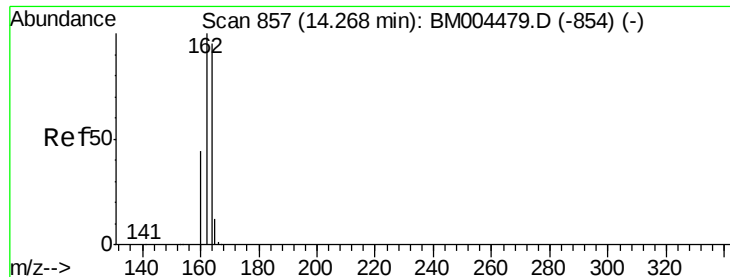
Ion 129.00 (128.70 to 129.70): BM004479.D (-539) (-)

Ion 127.00 (126.70 to 127.70): BM004479.D (-539) (-)

Time-->

10.40 10.45





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 857

Delta R.T. -0.01 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

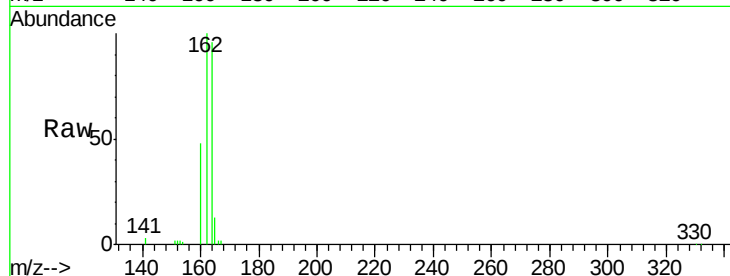
Tgt Ion:164 Resp: 52454

Ion Ratio Lower Upper

164 100

162 104.5 84.2 126.4

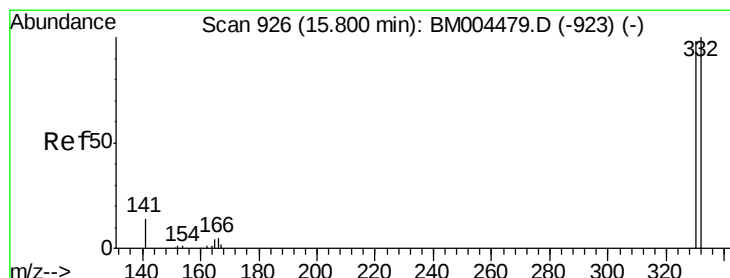
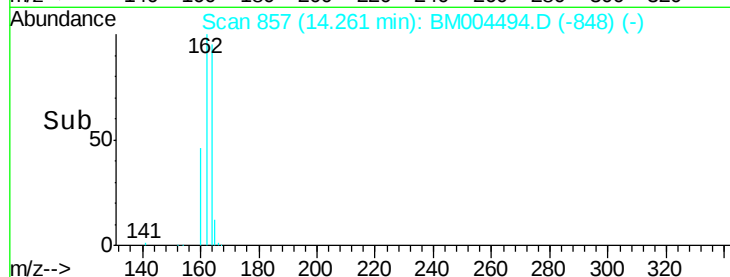
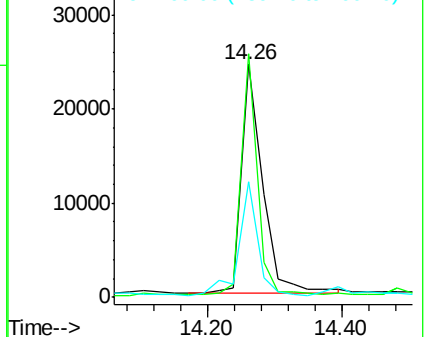
160 49.7 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 6.70 ng

RT: 15.77 min Scan# 925

Delta R.T. -0.03 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

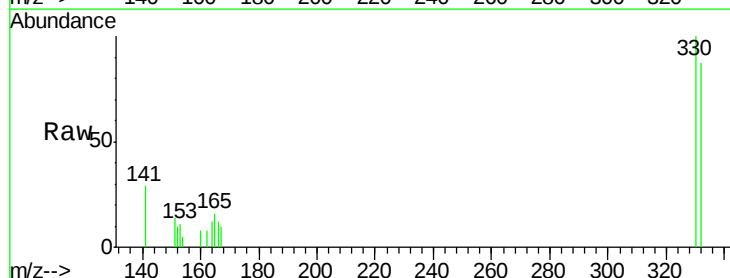
Tgt Ion:330 Resp: 13498

Ion Ratio Lower Upper

330 100

332 93.2 76.1 114.1

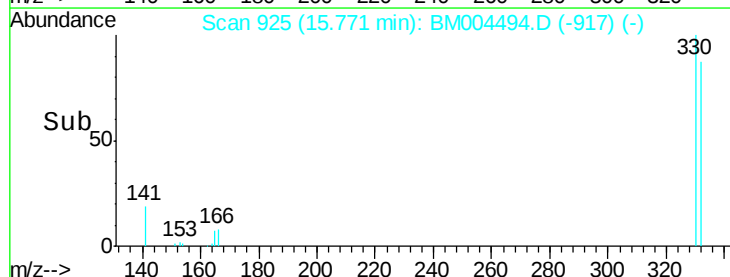
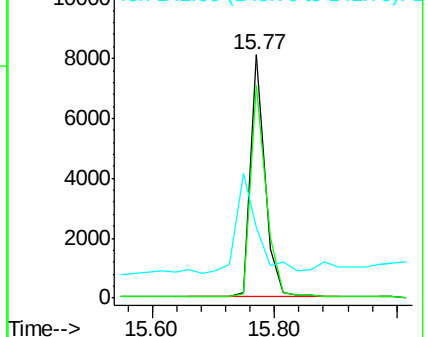
141 0.0 0.0 0.0

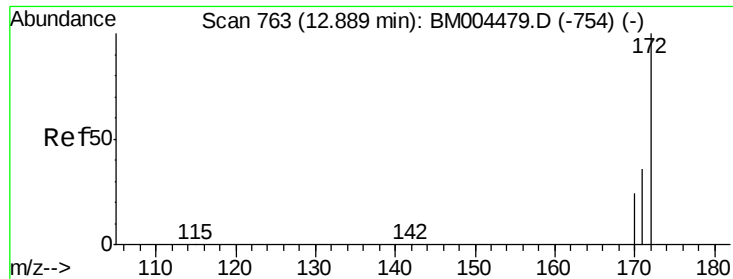


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

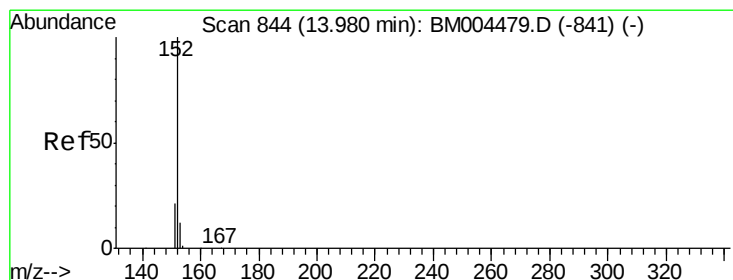
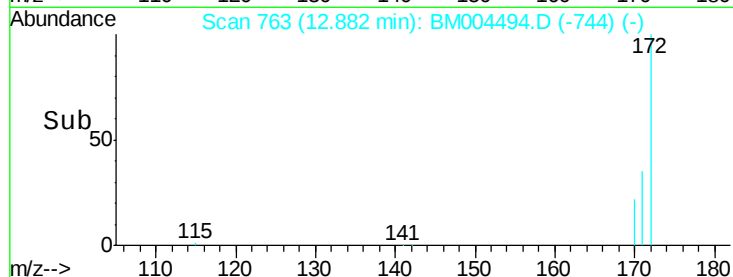
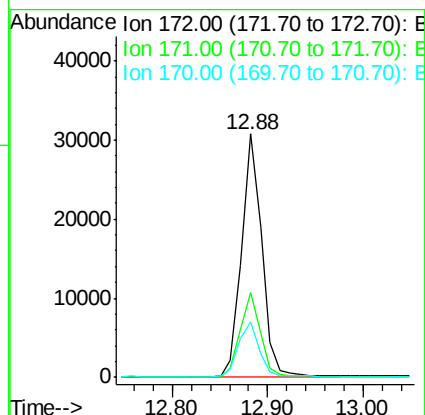
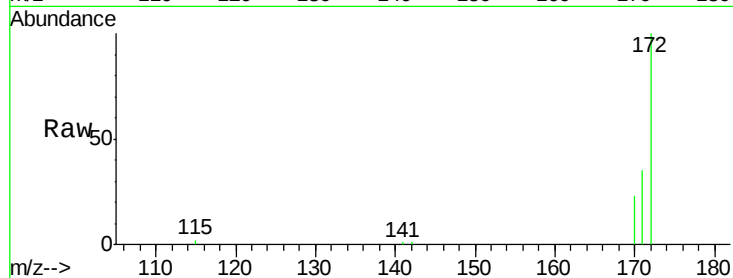




#15
2-Fluorobiphenyl
Concen: 2.81 ng
RT: 12.88 min Scan# 763
Delta R.T. -0.01 min
Lab File: BM004494.D
Acq: 01 Mar 2016 06:54

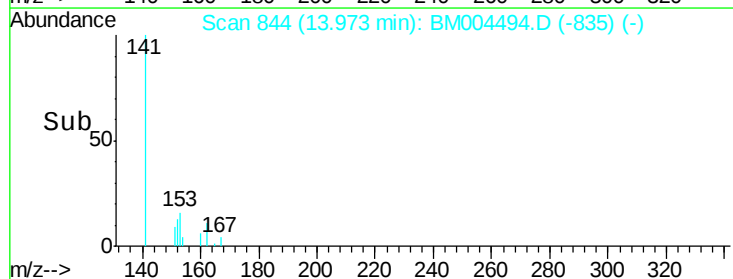
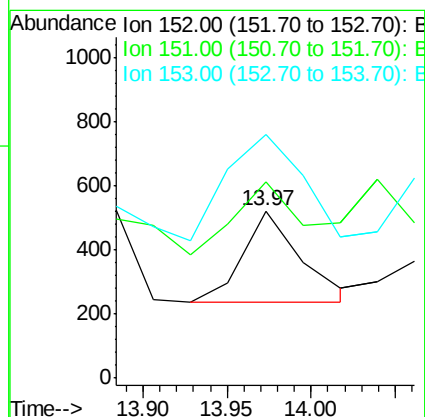
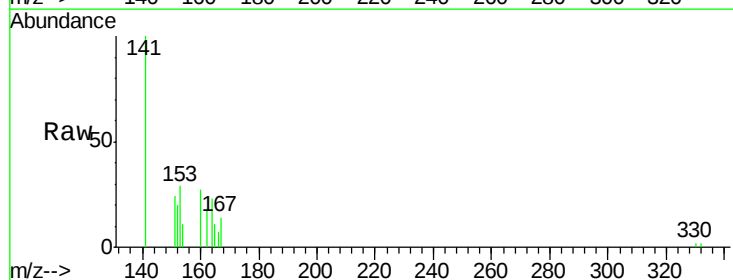
Instrument :
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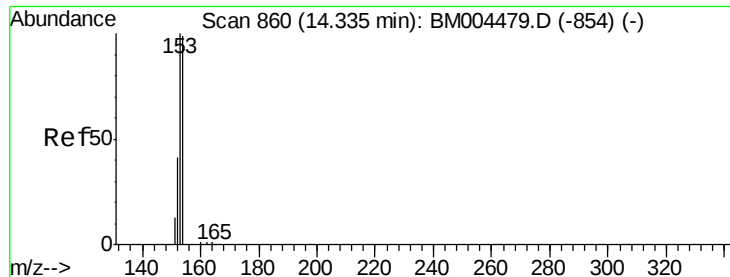
Tgt Ion:172 Resp: 45207
Ion Ratio Lower Upper
172 100
171 34.9 29.2 43.8
170 22.6 19.7 29.5



#16
Acenaphthylene
Concen: 0.02 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.01 min
Lab File: BM004494.D
Acq: 01 Mar 2016 06:54

Tgt Ion:152 Resp: 679
Ion Ratio Lower Upper
152 100
151 81.7 15.8 23.6#
153 150.4 10.2 15.4#





#17

Acenaphthene

Concen: 0.19 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.01 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

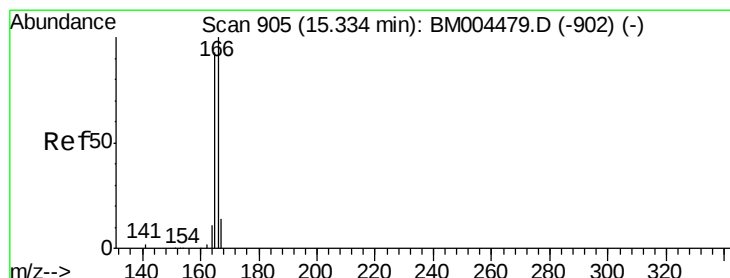
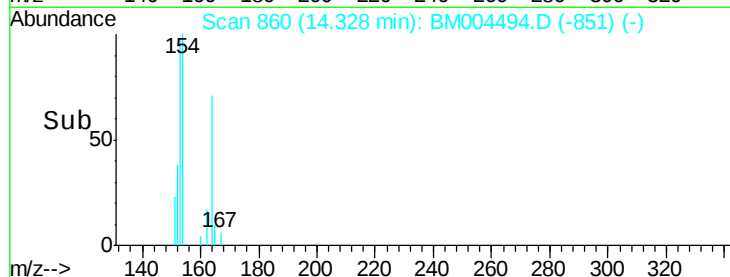
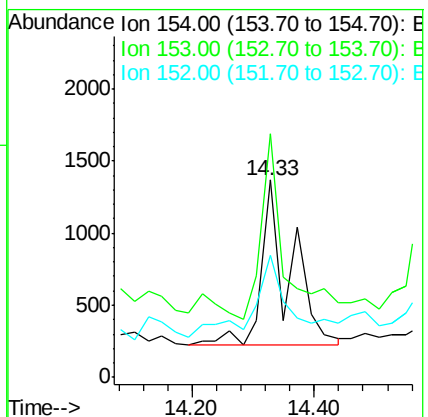
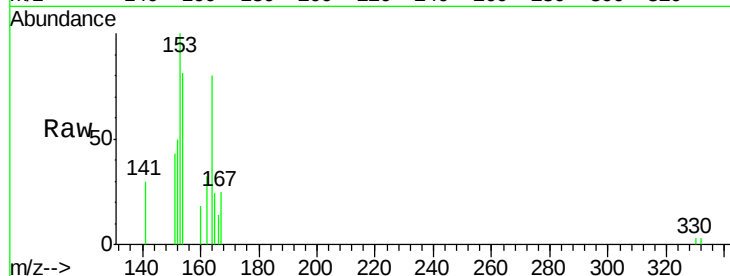
Tgt Ion:154 Resp: 3730

Ion Ratio Lower Upper

154 100

153 92.8 88.0 132.0

152 57.5 41.1 61.7



#18

Fluorene

Concen: 0.27 ng

RT: 15.33 min Scan# 905

Delta R.T. -0.01 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

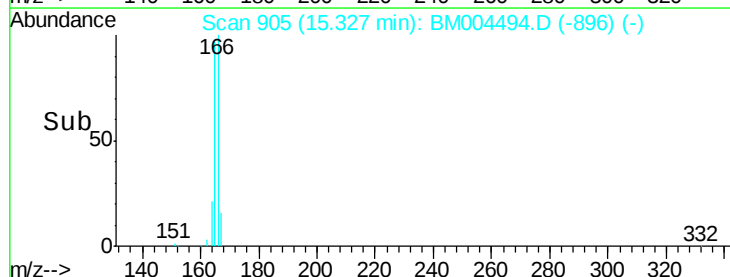
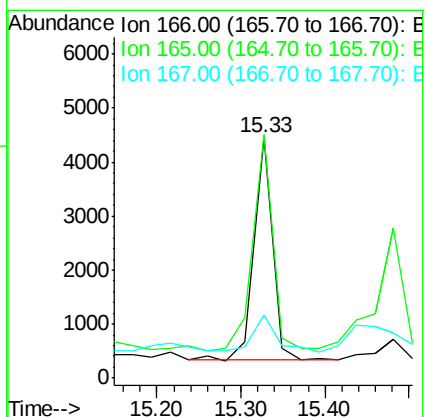
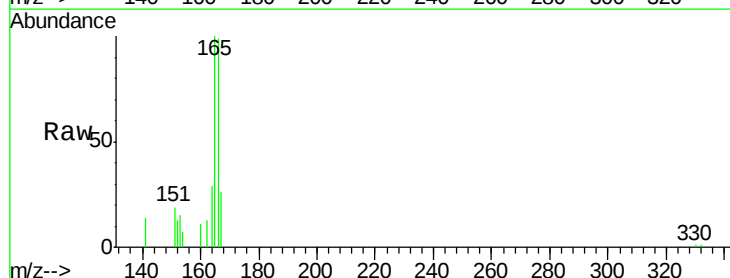
Tgt Ion:166 Resp: 6376

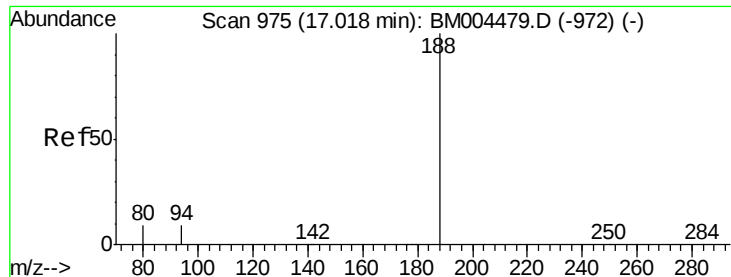
Ion Ratio Lower Upper

166 100

165 103.3 77.2 115.8

167 21.4 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: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

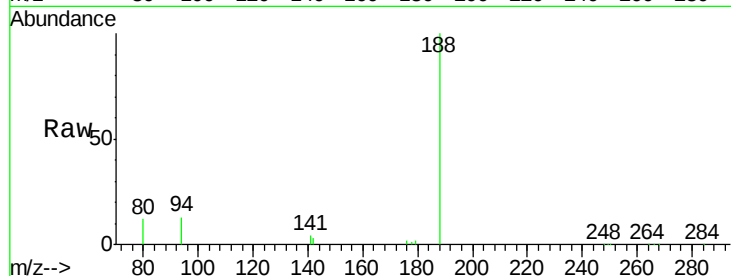
Tgt Ion:188 Resp: 84317

Ion Ratio Lower Upper

188 100

94 12.6 7.4 11.0#

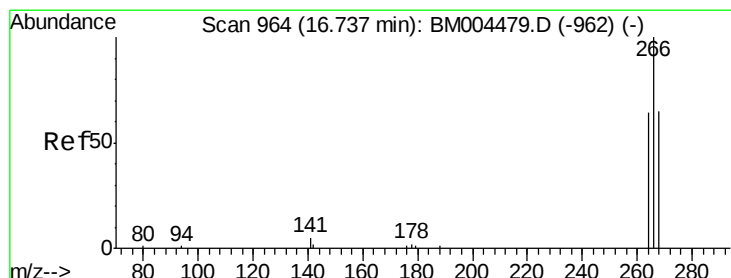
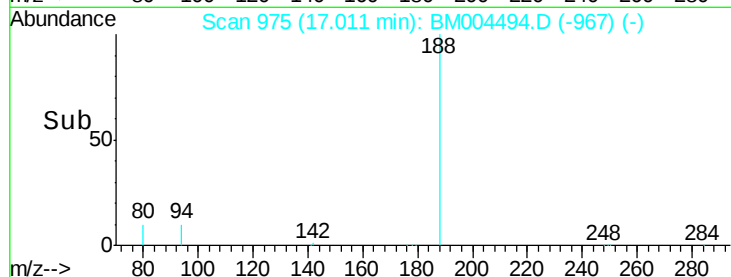
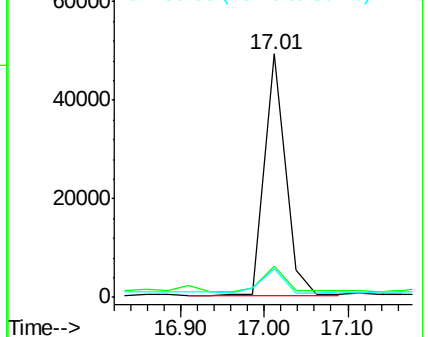
80 11.8 6.9 10.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#22

Pentachlorophenol

Concen: 13.33 ng

RT: 16.70 min Scan# 963

Delta R.T. -0.03 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

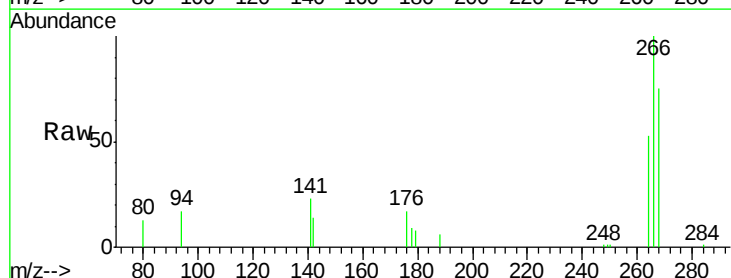
Tgt Ion:266 Resp: 20468

Ion Ratio Lower Upper

266 100

268 75.2 60.7 91.1

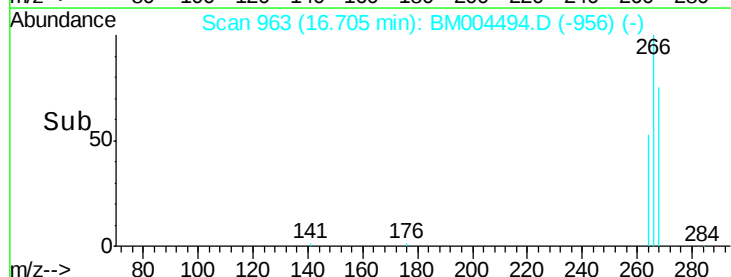
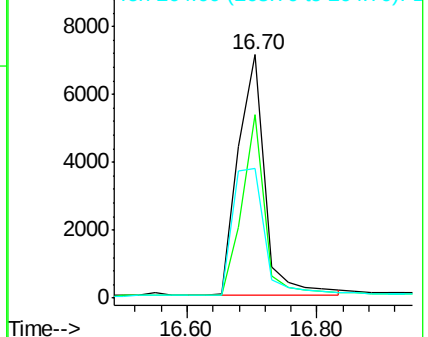
264 53.3 57.1 85.7#

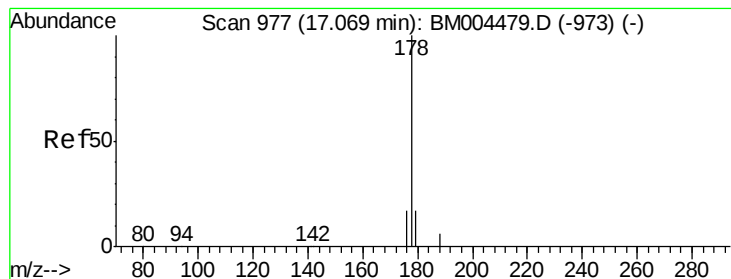


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.13 ng

RT: 17.14 min Scan# 980

Delta R.T. 0.07 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

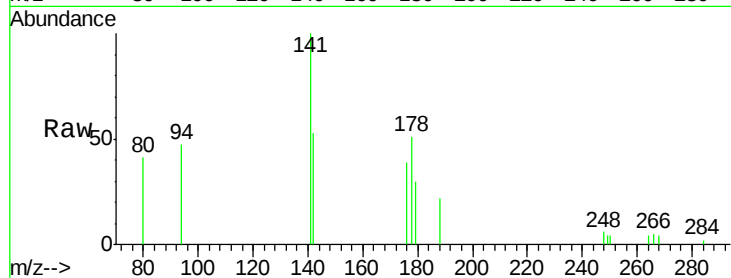
Tgt Ion:178 Resp: 3093

Ion Ratio Lower Upper

178 100

176 32.1 14.7 22.1#

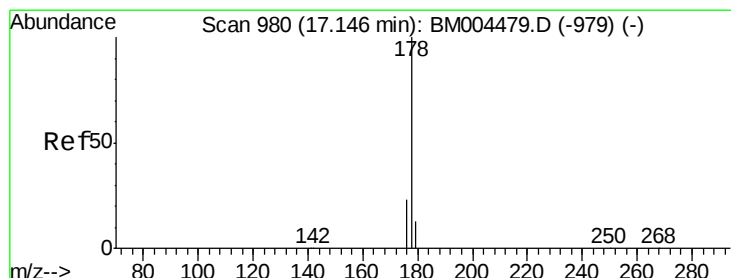
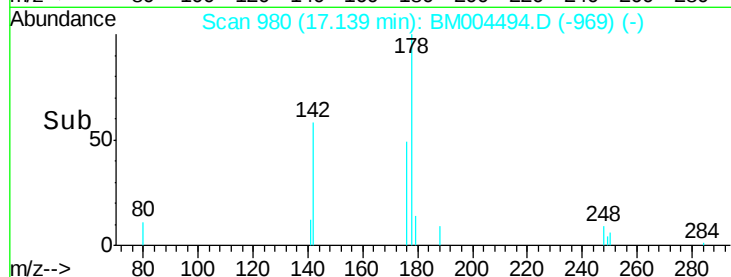
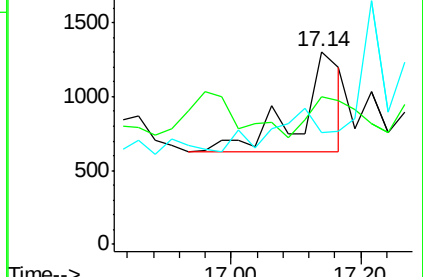
179 0.0 12.9 19.3#



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: 0.11 ng

RT: 17.14 min Scan# 980

Delta R.T. -0.01 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

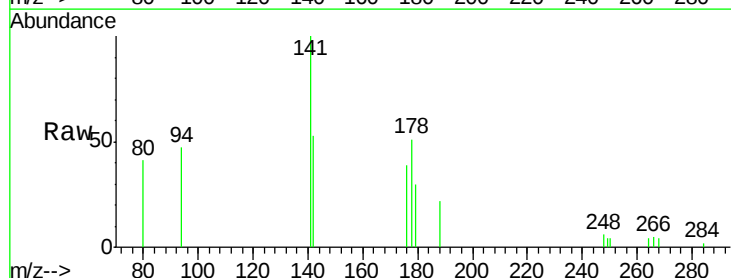
Tgt Ion:178 Resp: 2854

Ion Ratio Lower Upper

178 100

176 51.2 15.6 23.4#

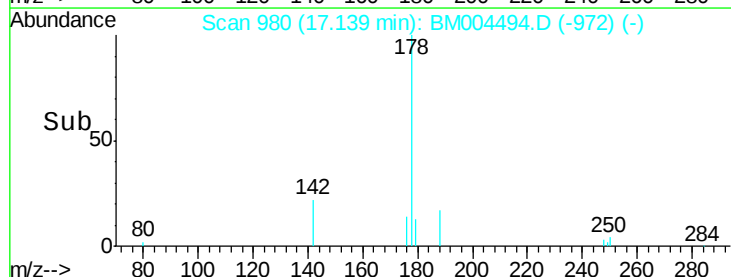
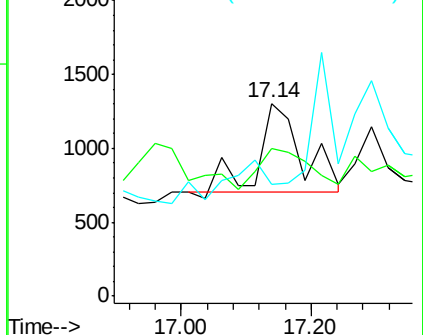
179 0.0 13.6 20.4#

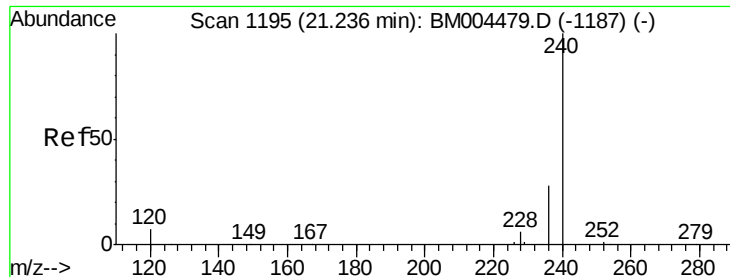


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

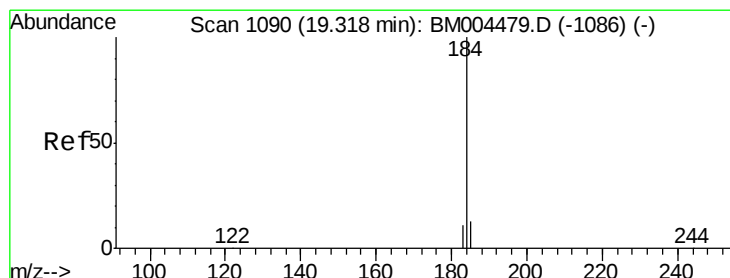
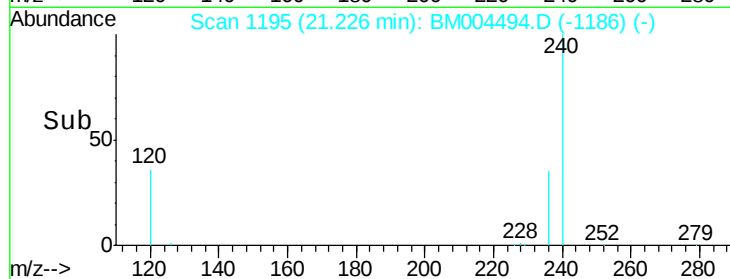
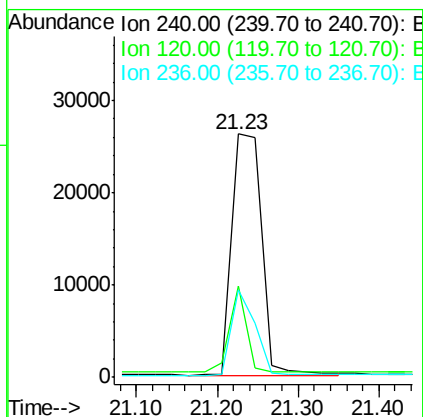
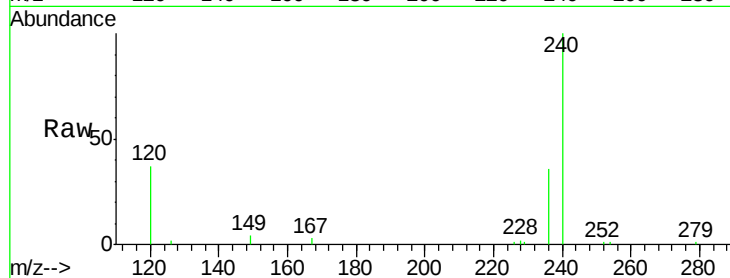




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.23 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BM004494.D
Acq: 01 Mar 2016 06:54

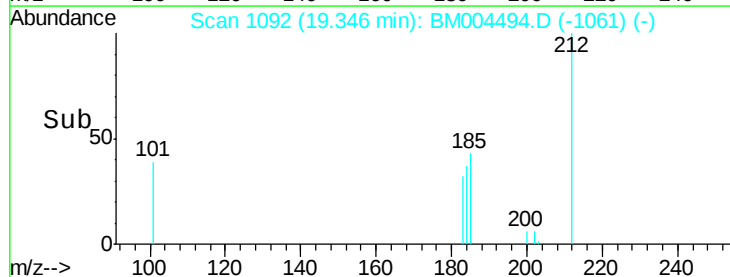
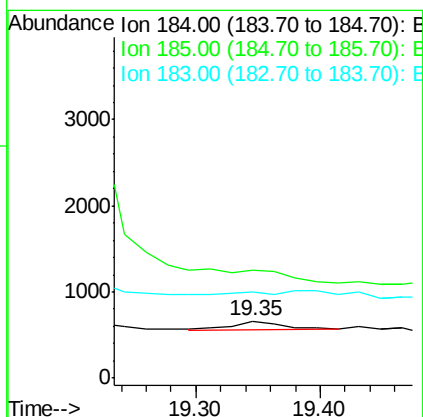
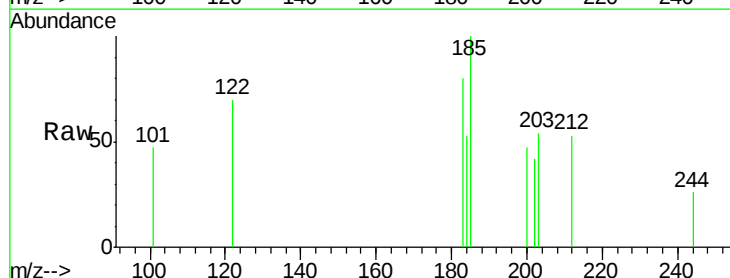
Instrument :
BNA_M
ClientSampleId :
MW-3

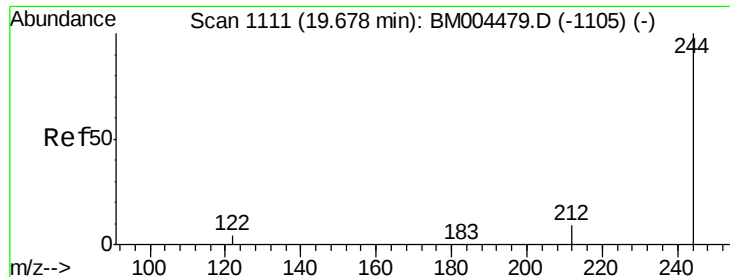
Tgt Ion:240 Resp: 66796
Ion Ratio Lower Upper
240 100
120 37.4 6.1 9.1#
236 35.9 22.6 34.0#



#27
Benzidine
Concen: 0.35 ng
RT: 19.35 min Scan# 1092
Delta R.T. 0.03 min
Lab File: BM004494.D
Acq: 01 Mar 2016 06:54

Tgt Ion:184 Resp: 240
Ion Ratio Lower Upper
184 100
185 189.4 16.6 24.8#
183 152.0 12.3 18.5#





#29

Terphenyl-d14

Concen: 5.55 ng

RT: 19.67 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

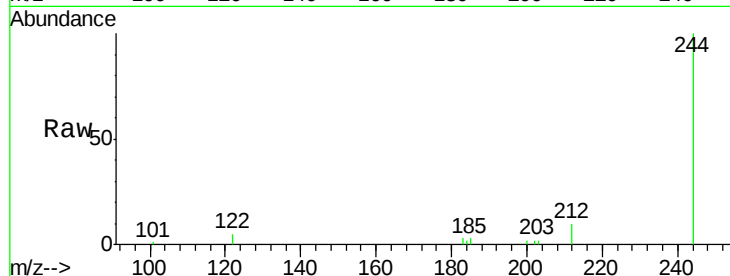
Tgt Ion:244 Resp: 47736

Ion Ratio Lower Upper

244 100

212 9.7 7.5 11.3

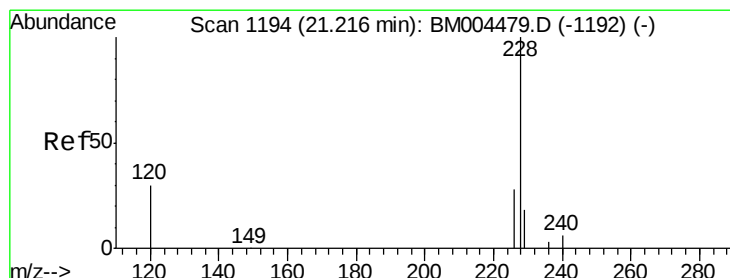
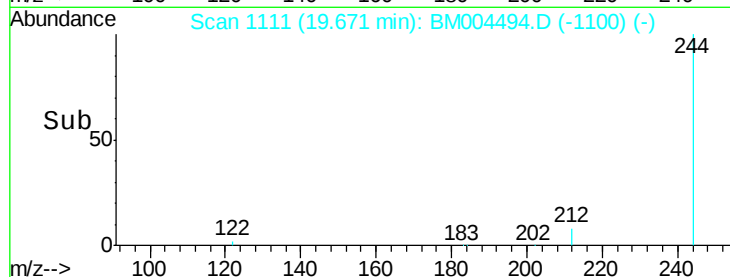
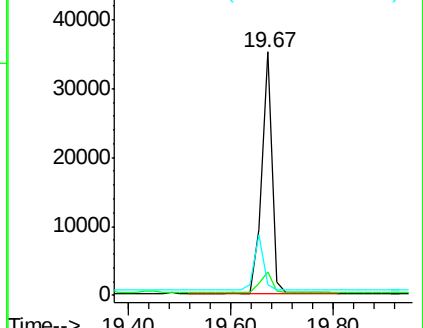
122 4.6 4.2 6.2



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: 0.09 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.05 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

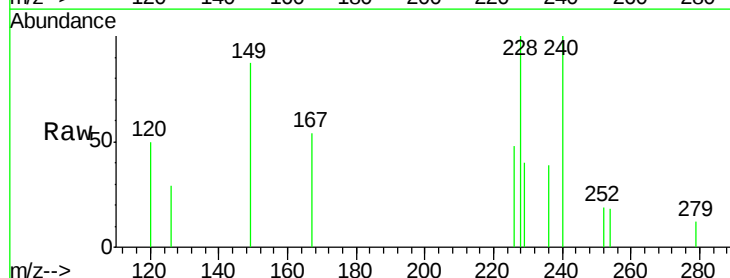
Tgt Ion:228 Resp: 2156

Ion Ratio Lower Upper

228 100

226 48.0 22.8 34.2#

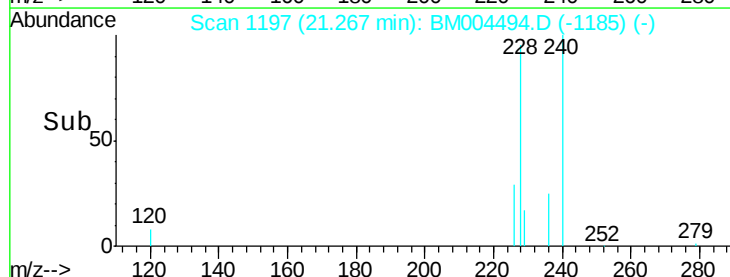
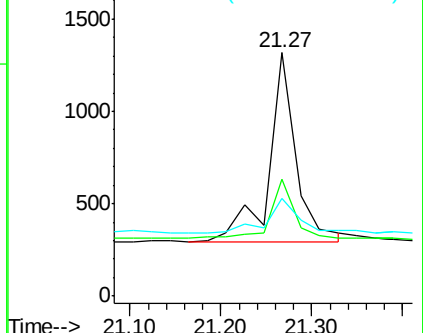
229 40.3 14.6 22.0#

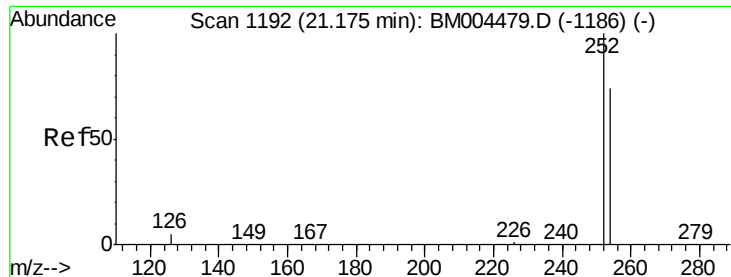


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

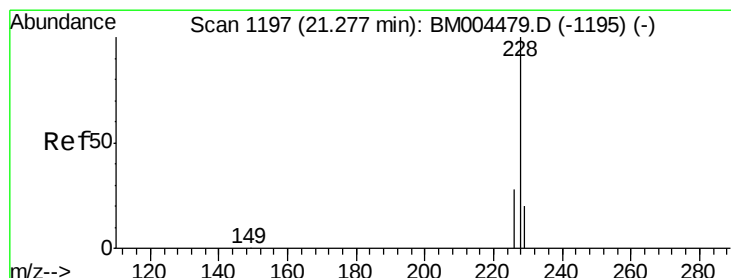
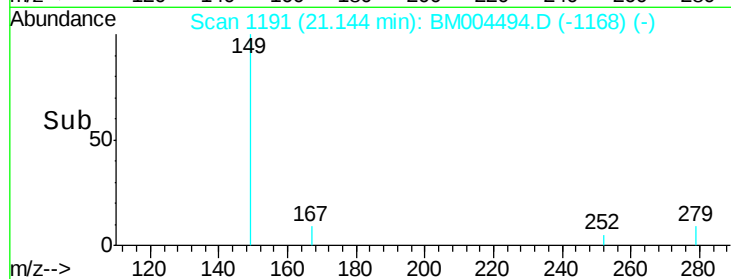
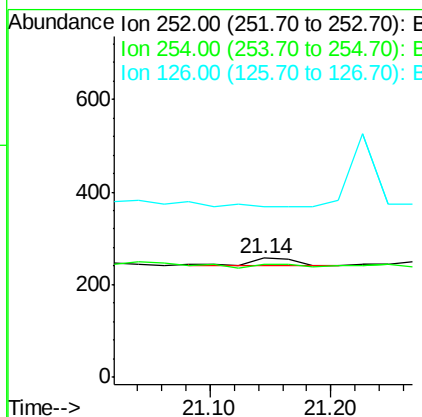
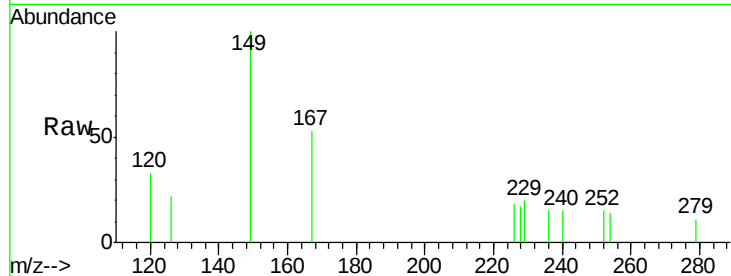




#31
 3,3'-Dichlorobenzidine
 Concen: 0.14 ng
 RT: 21.14 min Scan# 1191
 Delta R.T. -0.03 min
 Lab File: BM004494.D
 Acq: 01 Mar 2016 06:54

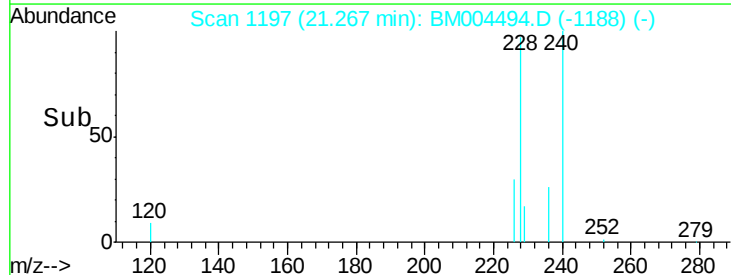
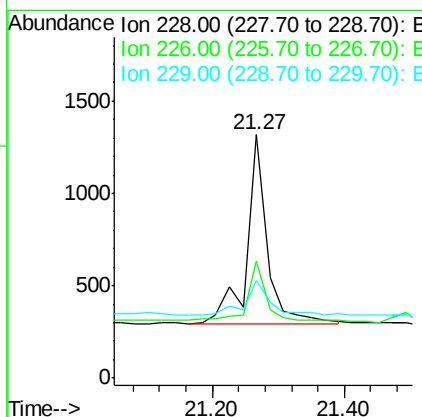
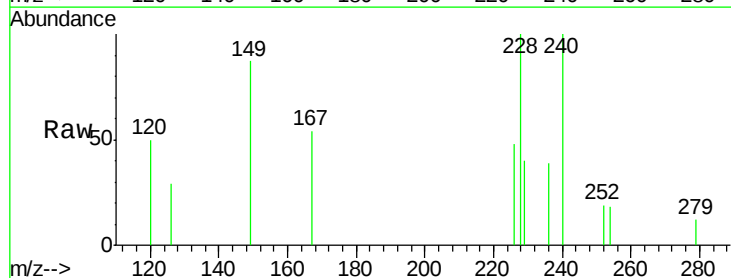
Instrument :
 BNA_M
 ClientSampled :
 MW-3

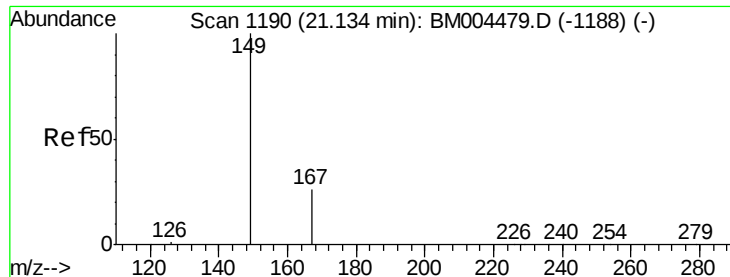
Tgt Ion: 252 Resp: 38
 Ion Ratio Lower Upper
 252 100
 254 94.9 59.4 89.0#
 126 143.6 5.5 8.3#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BM004494.D
 Acq: 01 Mar 2016 06:54

Tgt Ion: 228 Resp: 2248
 Ion Ratio Lower Upper
 228 100
 226 48.0 21.4 32.2#
 229 40.3 17.1 25.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng

RT: 21.12 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM004494.D

Acq: 01 Mar 2016 06:54

Instrument :

BNA_M

ClientSampleId :

MW-3

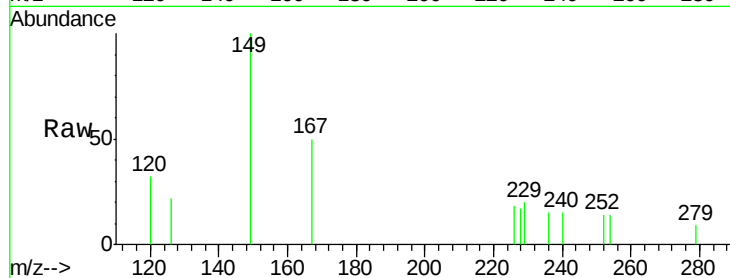
Tgt Ion:149 Resp: 1431

Ion Ratio Lower Upper

149 100

167 0.0 21.2 31.8#

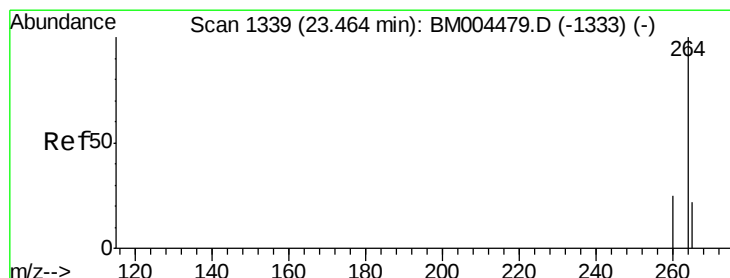
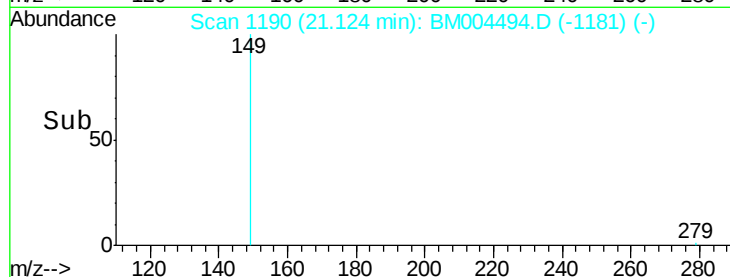
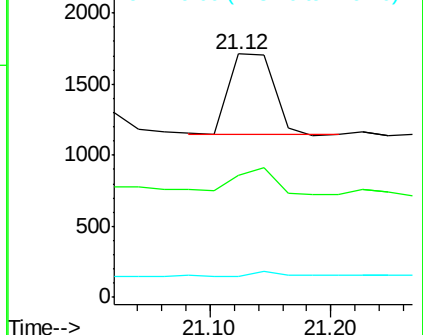
279 0.0 0.0 0.0



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: BM004494.D

Acq: 01 Mar 2016 06:54

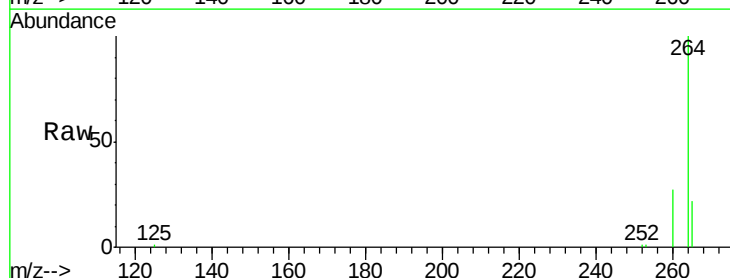
Tgt Ion:264 Resp: 65885

Ion Ratio Lower Upper

264 100

260 26.5 19.8 29.6

265 22.4 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

