

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022916\
 Data File : BM004493.D
 Acq On : 01 Mar 2016 06:18
 Operator : SJ/UM
 Sample : H1509-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-5

Quant Time: Mar 01 07:35:01 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

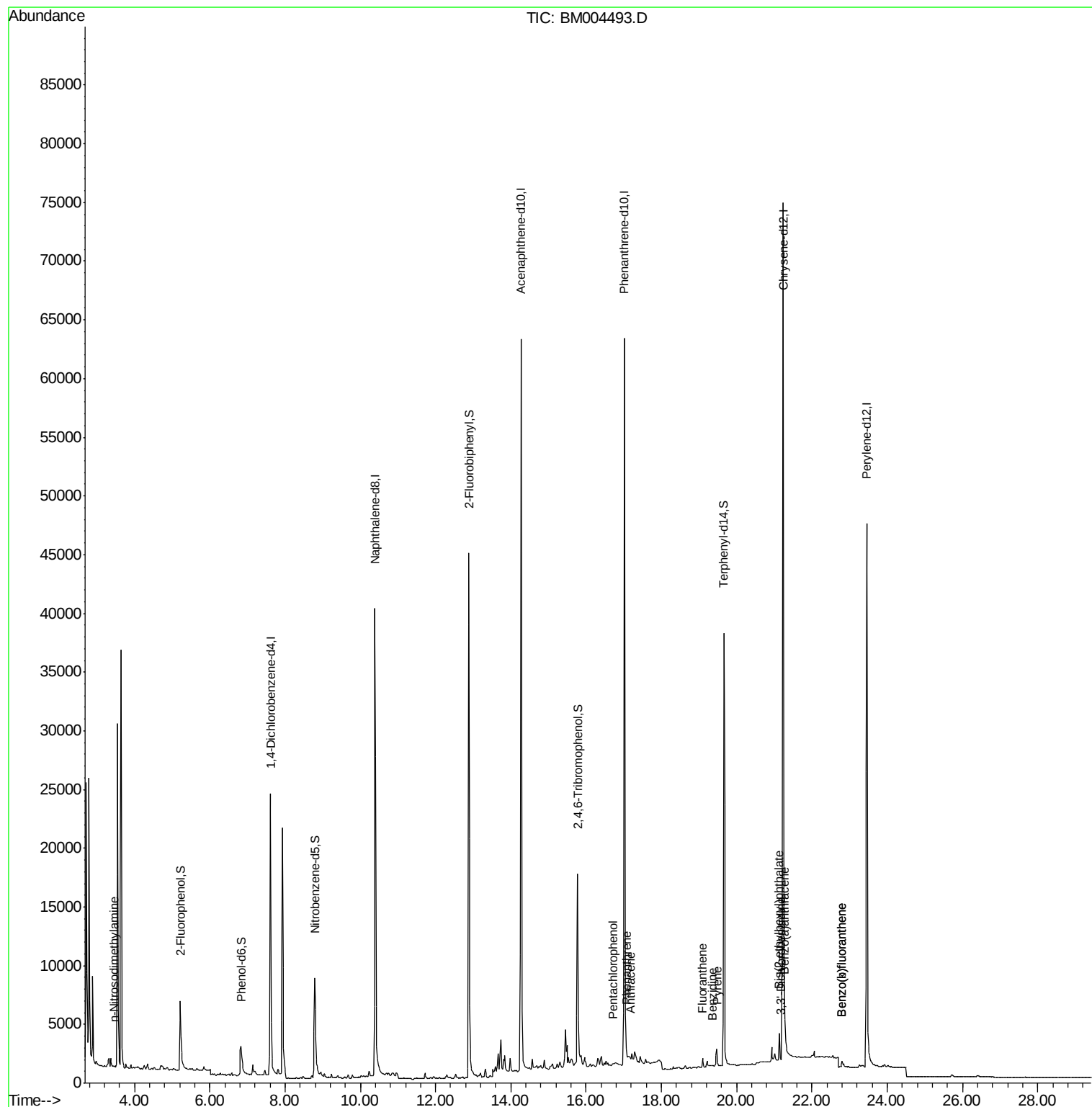
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	17885	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	70768	5.00	ng	0.00
13) Acenaphthene-d10	14.27	164	39181	5.00	ng	0.00
19) Phenanthrene-d10	17.02	188	93792	5.00	ng	0.00
26) Chrysene-d12	21.24	240	81538	5.00	ng	0.00
35) Perylene-d12	23.45	264	68291	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	8885	2.14	ng	0.00
5) Phenol-d6	6.83	99	6051	1.29	ng	0.02
8) Nitrobenzene-d5	8.79	82	13054	3.62	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	12645	8.40	ng	-0.02
15) 2-Fluorobiphenyl	12.89	172	51835	4.32	ng	0.00
29) Terphenyl-d14	19.66	244	50307	4.79	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.46	42	100	0.06	ng	# 1
20) 4-Bromophenyl-phenylether	16.25	248	6	Below Cal		# 1
22) Pentachlorophenol	16.71	266	287	0.25	ng	89
23) Phenanthrene	17.07	178	762	0.04	ng	# 73
24) Anthracene	17.17	178	1337	0.05	ng	# 59
25) Fluoranthene	19.10	202	1087	0.03	ng	97
27) Benzidine	19.35	184	274	0.35	ng	# 1
28) Pyrene	19.47	202	1868	0.06	ng	# 88
30) Benzo(a)anthracene	21.28	228	2680	0.09	ng	# 81
31) 3,3'-Dichlorobenzidine	21.17	252	21	0.13	ng	# 56
32) Chrysene	21.28	228	2834	Below Cal		# 81
33) Bis(2-ethylhexyl)phthalate	21.13	149	2432	0.10	ng	# 99
36) Benzo(b)fluoranthene	22.80	252	1400	0.05	ng	# 1
37) Benzo(k)fluoranthene	22.80	252	1322	0.05	ng	# 1

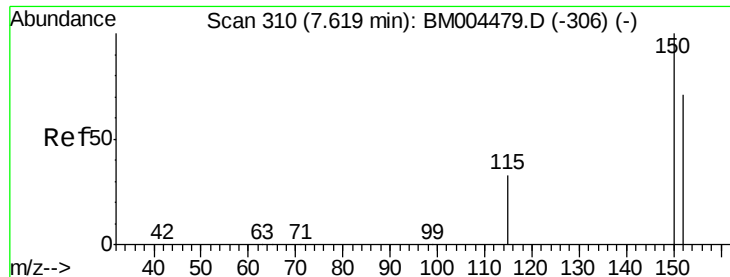
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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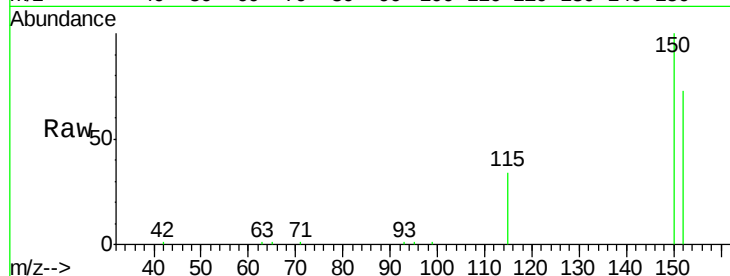


#1

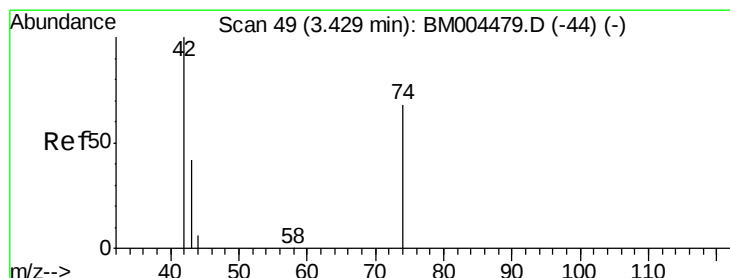
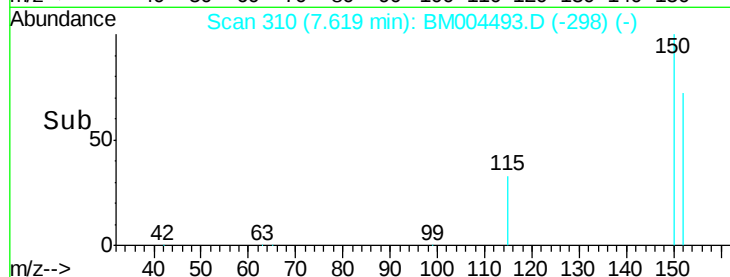
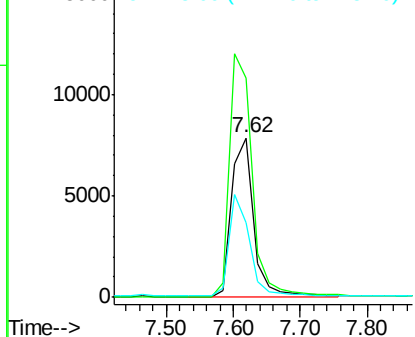
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 310
Delta R.T. -0.00 min
Lab File: BM004493.D
Acq: 01 Mar 2016 06:18

Instrument :
BNA_M
ClientSampleId :
MW-5

Tgt Ion:152 Resp: 17885
Ion Ratio Lower Upper
152 100
150 137.7 111.9 167.9
115 46.4 37.7 56.5



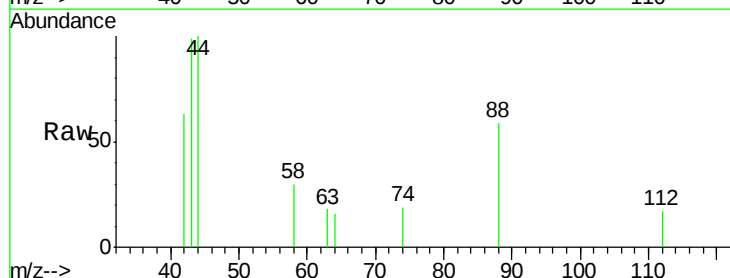
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



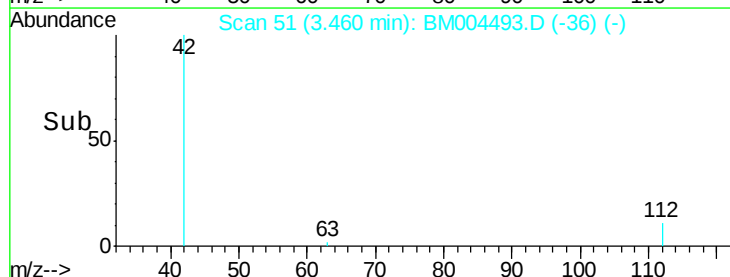
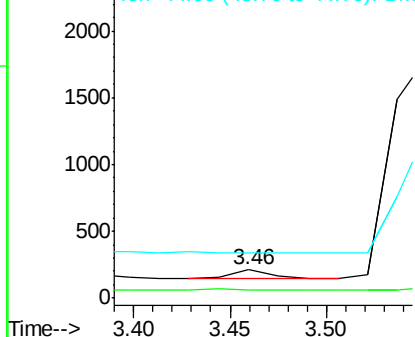
#3

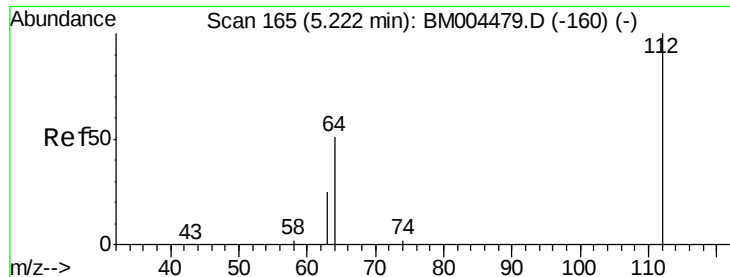
n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 3.46 min Scan# 51
Delta R.T. 0.03 min
Lab File: BM004493.D
Acq: 01 Mar 2016 06:18

Tgt Ion: 42 Resp: 100
Ion Ratio Lower Upper
42 100
74 2.0 117.8 176.8#
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: 2.14 ng

RT: 5.22 min Scan# 165

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

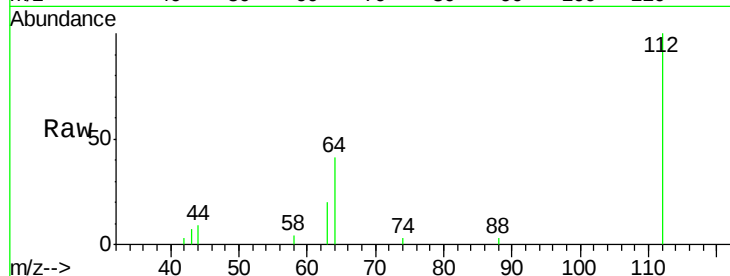
Tgt Ion: 112 Resp: 8885

Ion Ratio Lower Upper

112 100

64 49.0 39.6 59.4

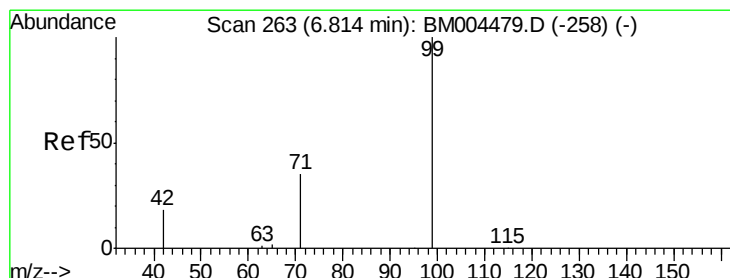
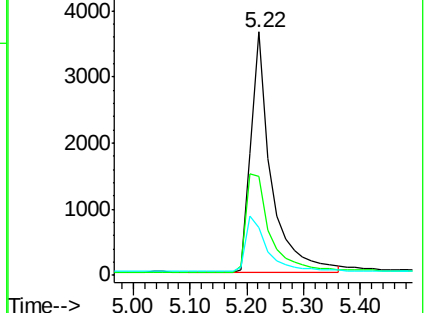
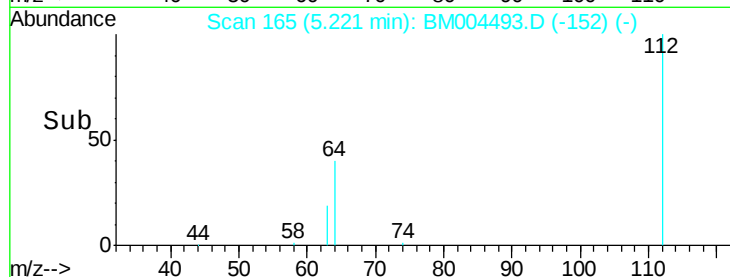
63 25.0 20.0 30.0



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: 1.29 ng

RT: 6.83 min Scan# 264

Delta R.T. 0.02 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

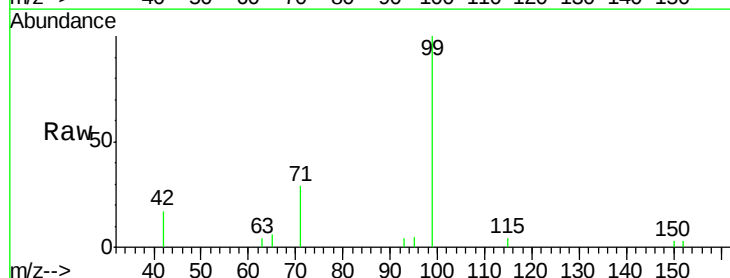
Tgt Ion: 99 Resp: 6051

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

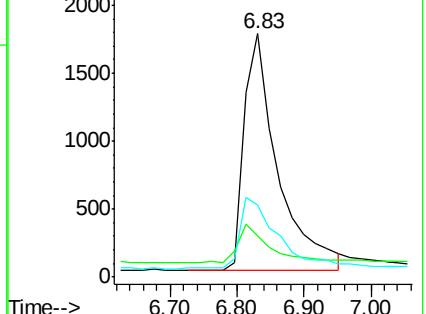
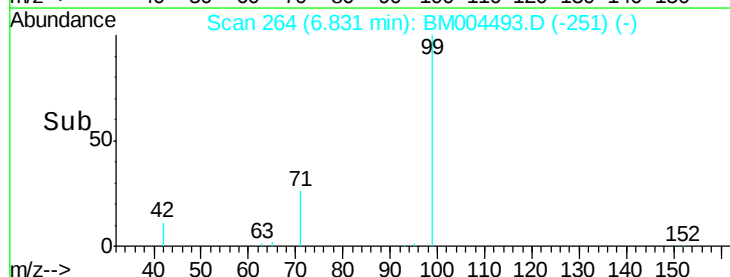
71 34.3 23.4 35.2

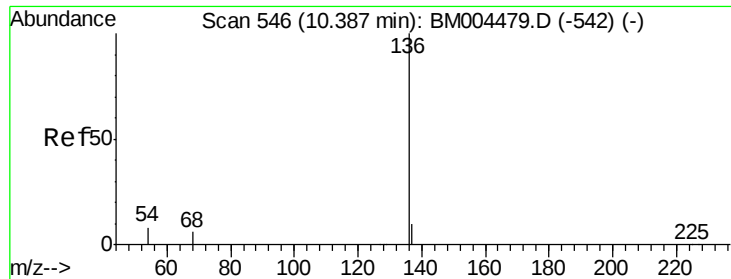


Abundance Ion 99.00 (98.70 to 99.70): B

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# 546

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampled :

MW-5

Tgt Ion:136 Resp: 70768

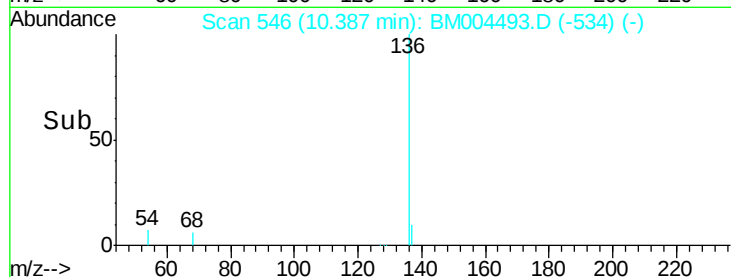
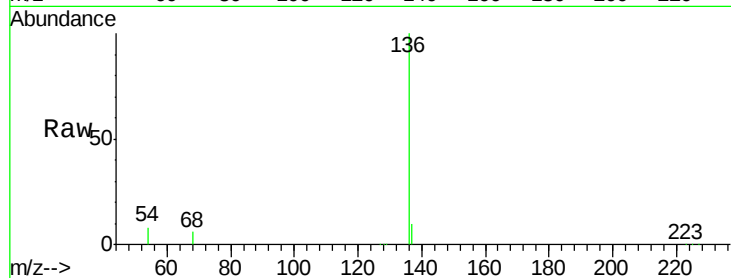
Ion Ratio Lower Upper

136 100

137 10.3 8.2 12.2

54 7.5 6.4 9.6

68 5.9 5.0 7.4



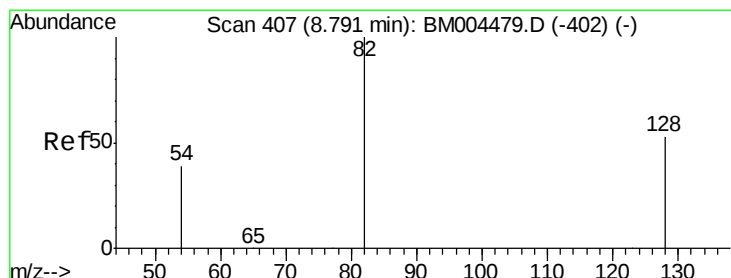
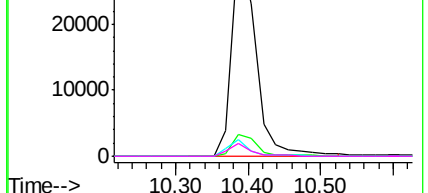
Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B

Time-->



#8

Nitrobenzene-d5

Concen: 3.62 ng

RT: 8.79 min Scan# 407

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

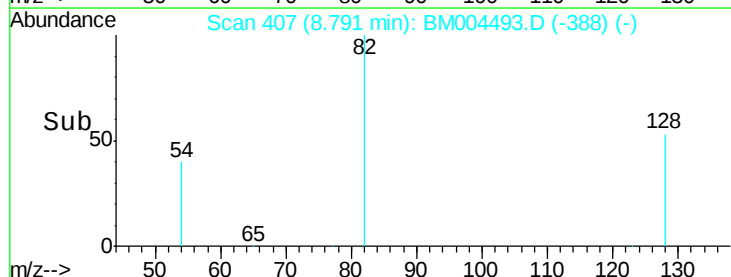
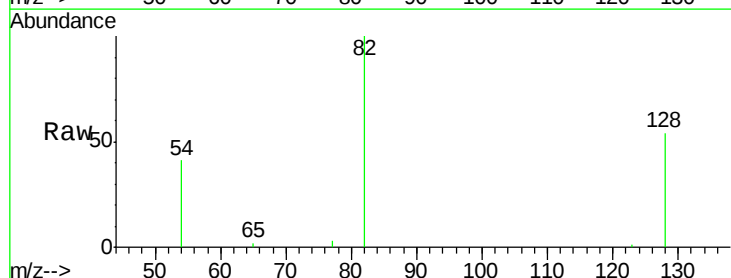
Tgt Ion: 82 Resp: 13054

Ion Ratio Lower Upper

82 100

128 53.6 43.7 65.5

54 40.8 33.5 50.3

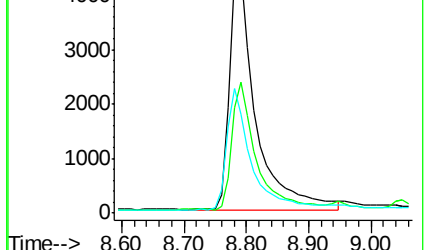


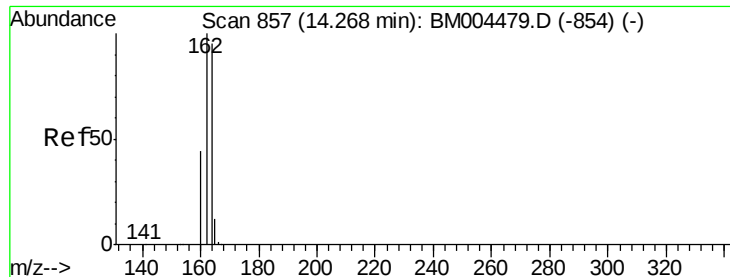
Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B

Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.27 min Scan# 857

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

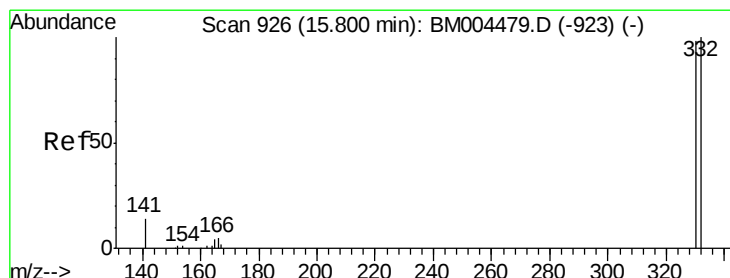
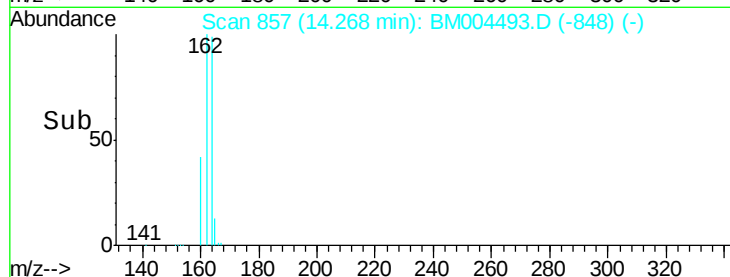
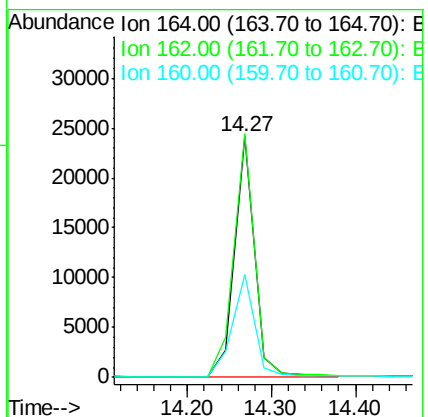
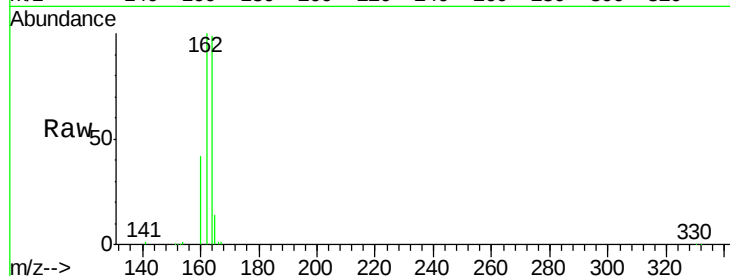
Tgt Ion:164 Resp: 39181

Ion Ratio Lower Upper

164 100

162 101.3 84.2 126.4

160 42.9 37.4 56.2



#14

2,4,6-Tribromophenol

Concen: 8.40 ng

RT: 15.78 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

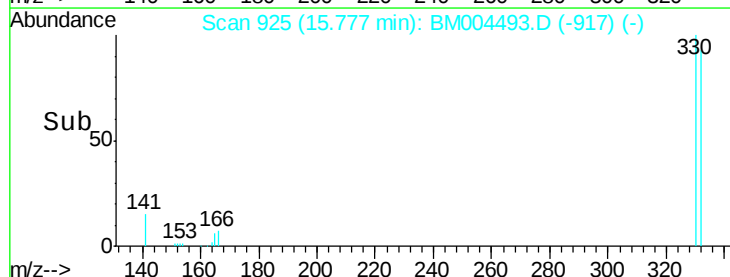
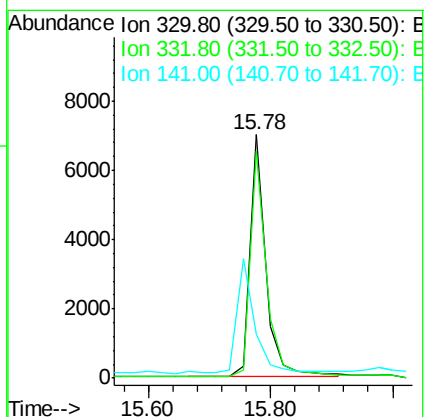
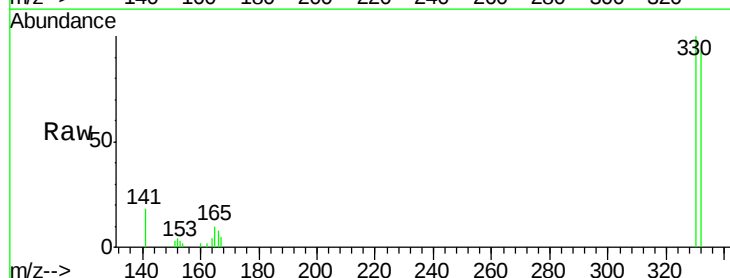
Tgt Ion:330 Resp: 12645

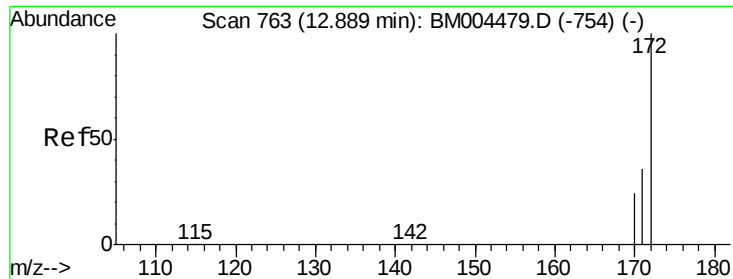
Ion Ratio Lower Upper

330 100

332 95.7 76.1 114.1

141 0.0 0.0 0.0

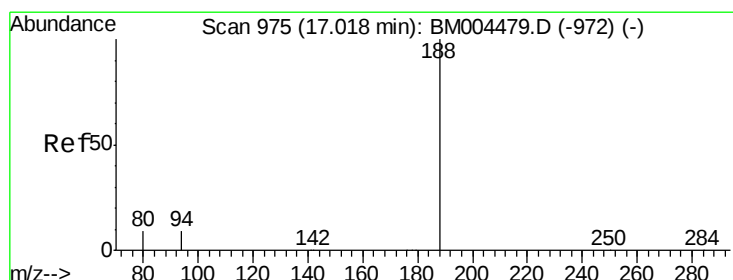
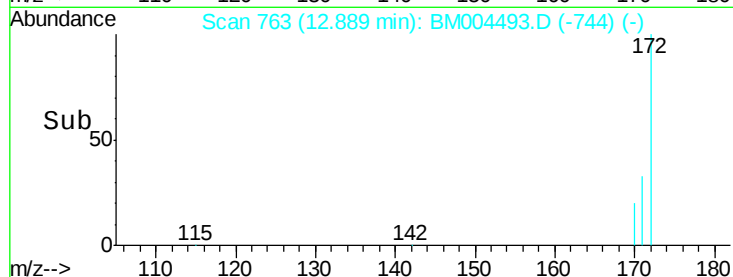
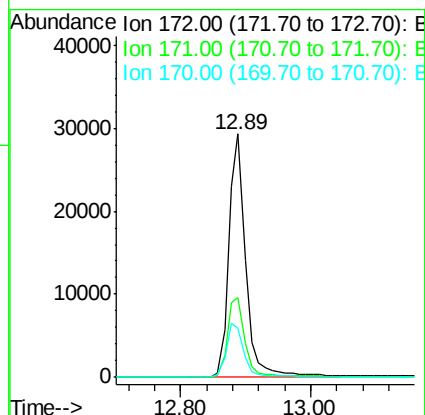
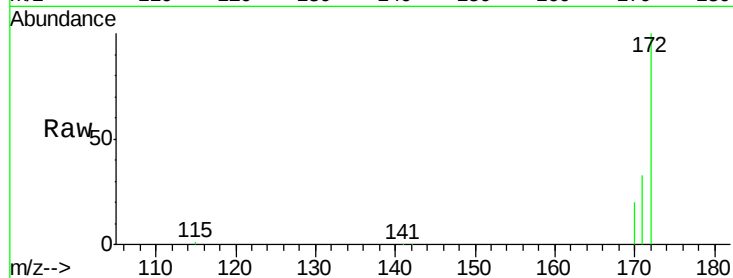




#15
2-Fluorobiphenyl
Concen: 4.32 ng
RT: 12.89 min Scan# 763
Delta R.T. -0.00 min
Lab File: BM004493.D
Acq: 01 Mar 2016 06:18

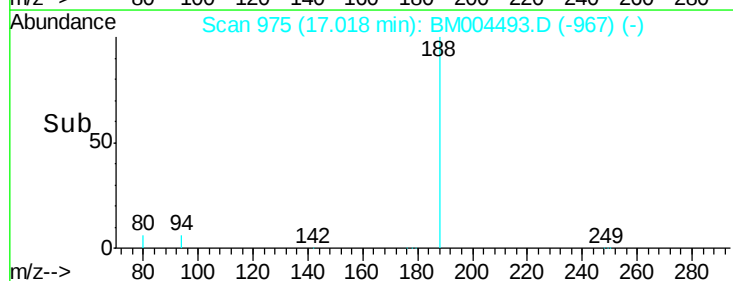
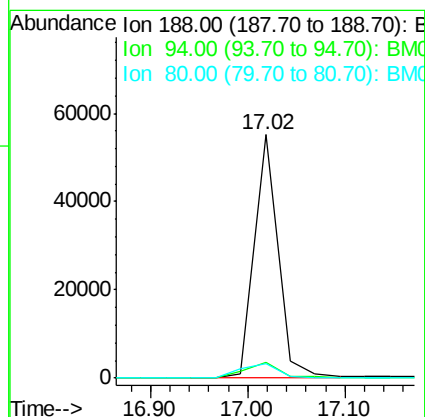
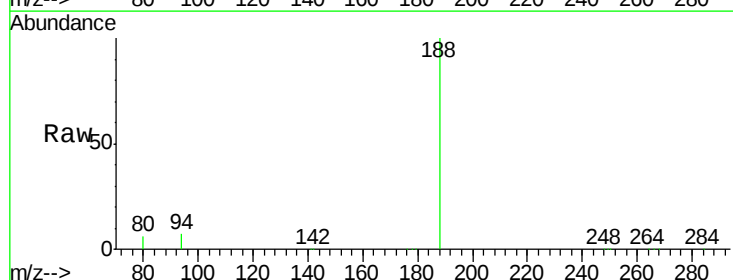
Instrument :
BNA_M
ClientSampleId :
MW-5

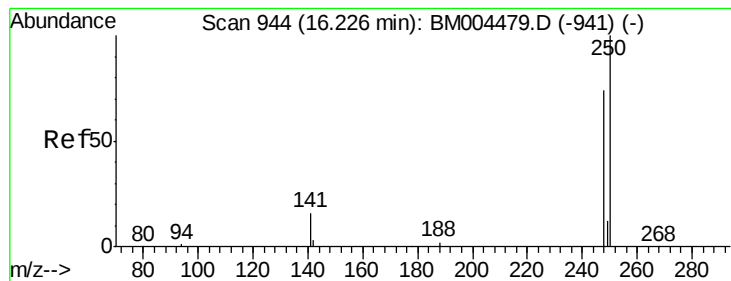
Tgt Ion:172 Resp: 51835
Ion Ratio Lower Upper
172 100
171 32.7 29.2 43.8
170 20.1 19.7 29.5



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.02 min Scan# 975
Delta R.T. -0.00 min
Lab File: BM004493.D
Acq: 01 Mar 2016 06:18

Tgt Ion:188 Resp: 93792
Ion Ratio Lower Upper
188 100
94 6.5 7.4 11.0#
80 5.8 6.9 10.3#





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.25 min Scan# 945

Delta R.T. 0.03 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

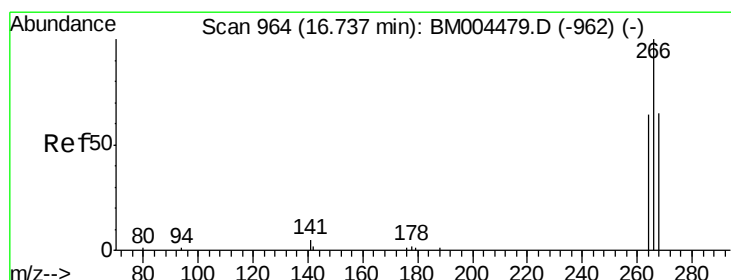
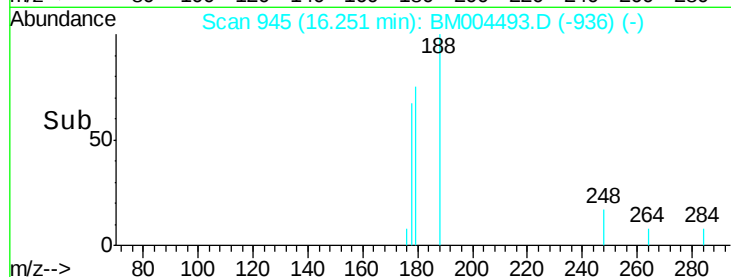
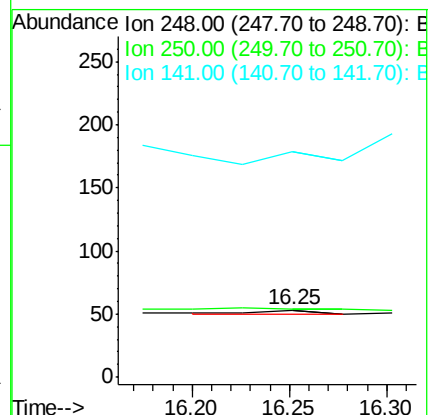
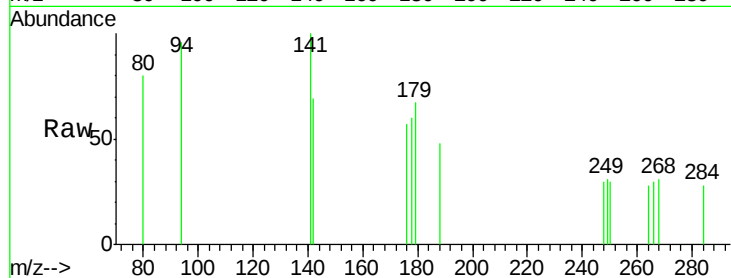
Instrument :

BNA_M

ClientSampleId :

MW-5

Tgt Ion:	248	Resp:	6
Ion	Ratio	Lower	Upper
248	100		
250	0.0	81.5	122.3#
141	0.0	0.0	0.0



#22

Pentachlorophenol

Concen: 0.25 ng

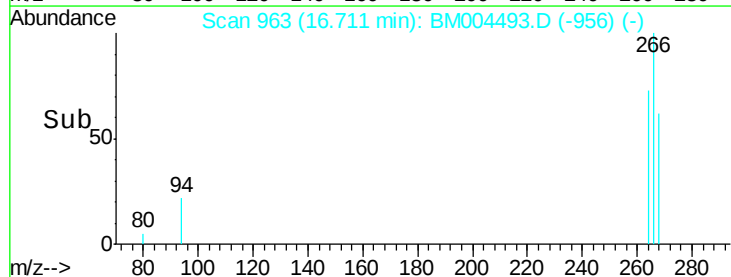
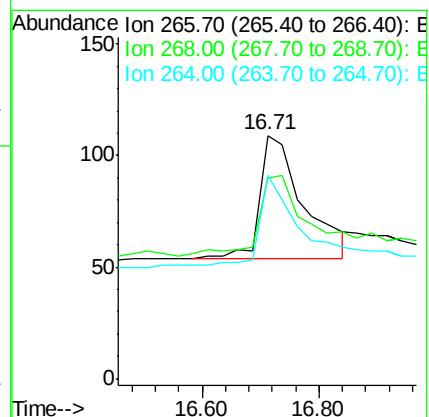
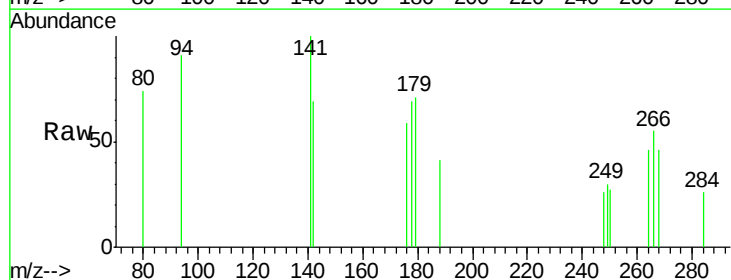
RT: 16.71 min Scan# 963

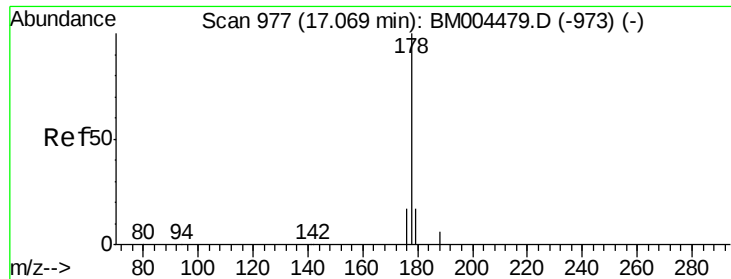
Delta R.T. -0.03 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Tgt Ion:	266	Resp:	287
Ion	Ratio	Lower	Upper
266	100		
268	82.6	60.7	91.1
264	83.5	57.1	85.7





#23

Phenanthrene

Concen: 0.04 ng

RT: 17.07 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

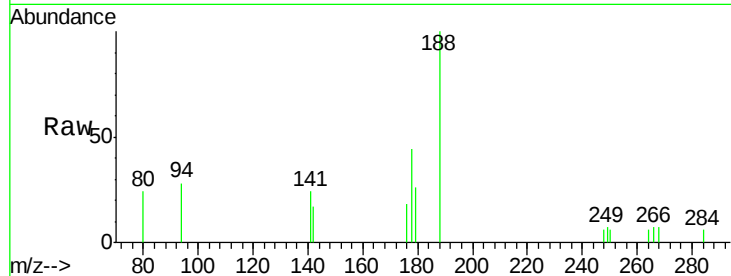
Tgt Ion:178 Resp: 762

Ion Ratio Lower Upper

178 100

176 26.4 14.7 22.1#

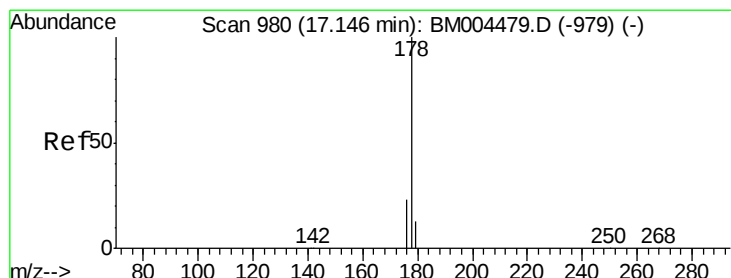
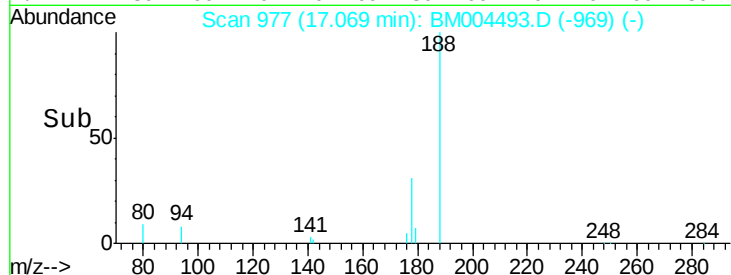
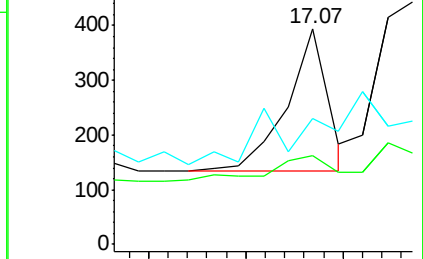
179 0.0 12.9 19.3#



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: 0.05 ng

RT: 17.17 min Scan# 981

Delta R.T. 0.03 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

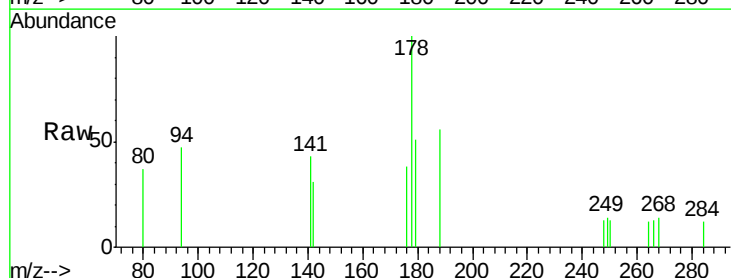
Tgt Ion:178 Resp: 1337

Ion Ratio Lower Upper

178 100

176 0.0 15.6 23.4#

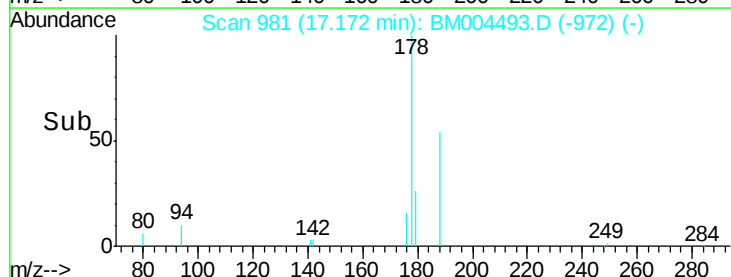
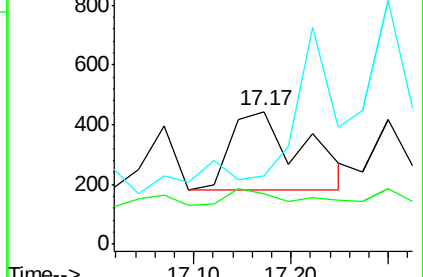
179 0.0 13.6 20.4#

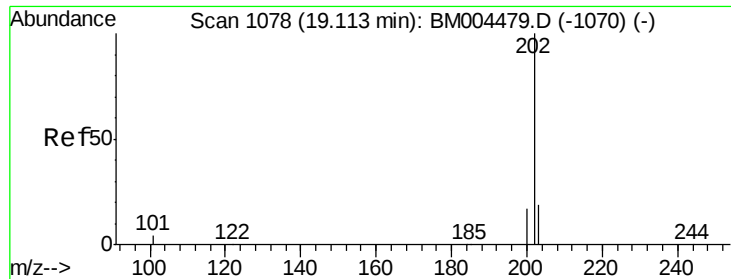


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.03 ng

RT: 19.10 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

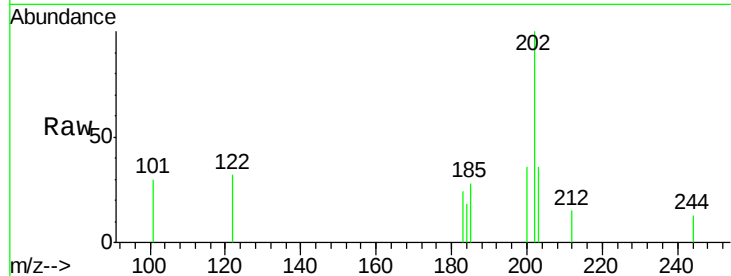
Tgt Ion:202 Resp: 1087

Ion Ratio Lower Upper

202 100

101 13.4 9.4 14.2

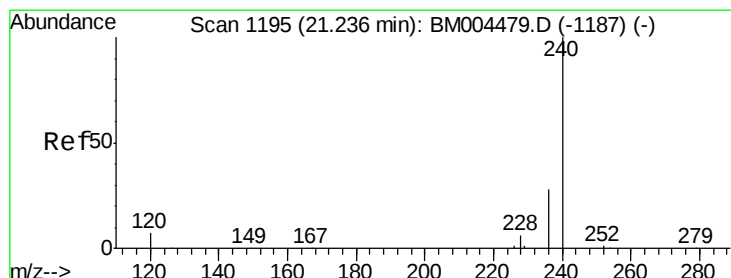
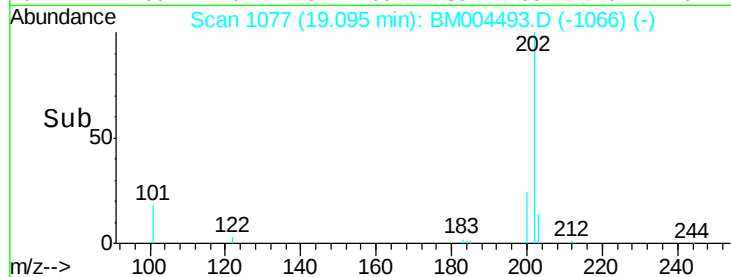
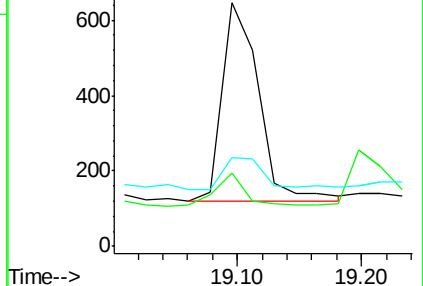
203 16.7 13.9 20.9



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: 21.24 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

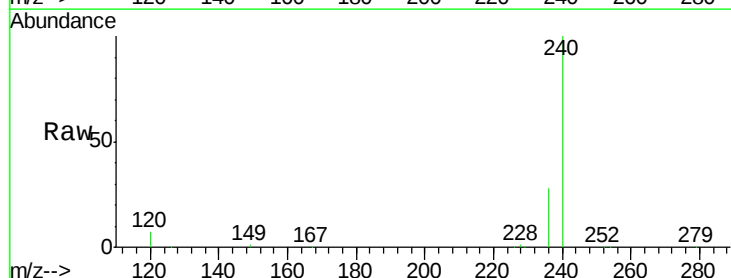
Tgt Ion:240 Resp: 81538

Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

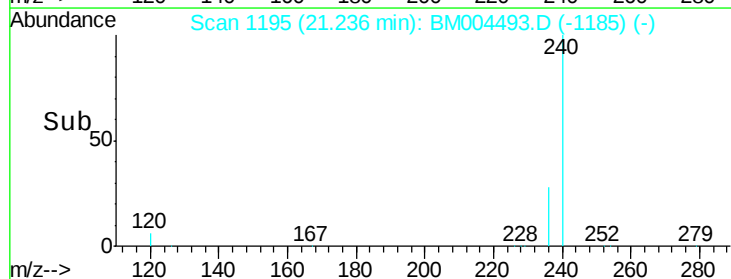
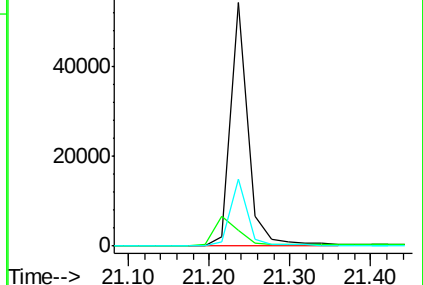
236 27.7 22.6 34.0

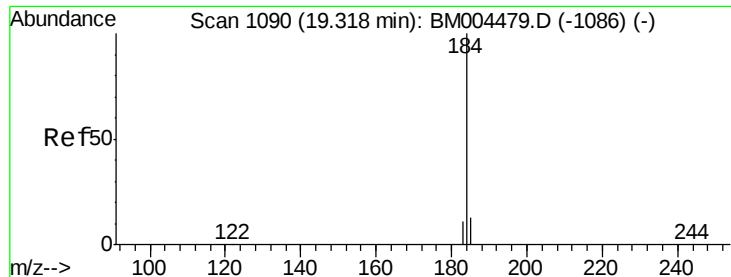


Abundance Ion 240.00 (239.70 to 240.70): E

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: 19.35 min Scan# 1092

Delta R.T. 0.03 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

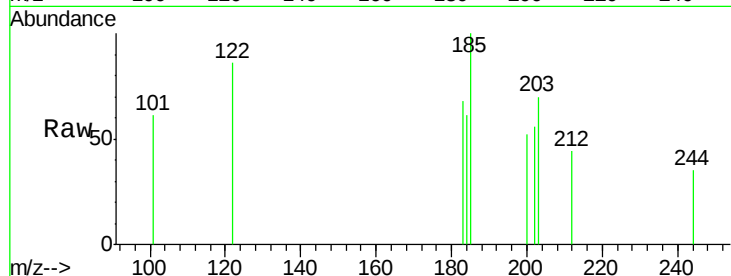
Tgt Ion:184 Resp: 274

Ion Ratio Lower Upper

184 100

185 164.4 16.6 24.8#

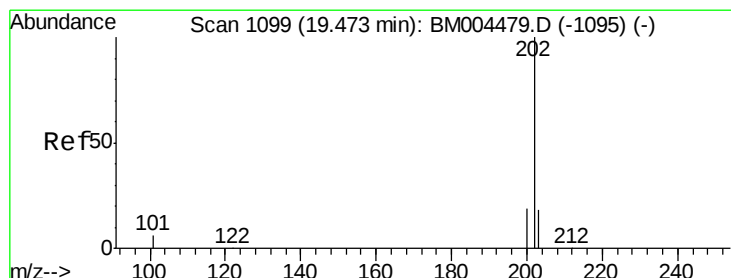
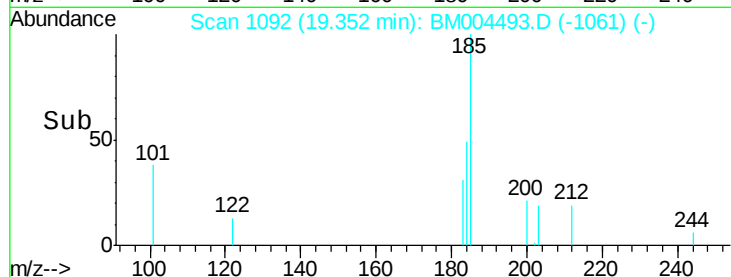
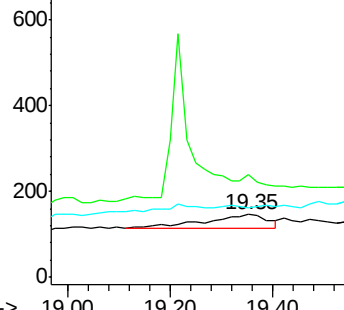
183 111.0 12.3 18.5#



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: 0.06 ng

RT: 19.47 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

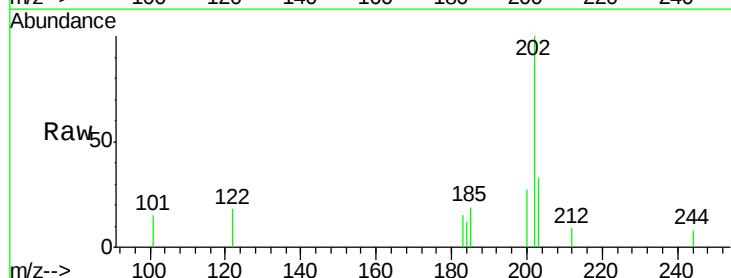
Tgt Ion:202 Resp: 1868

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

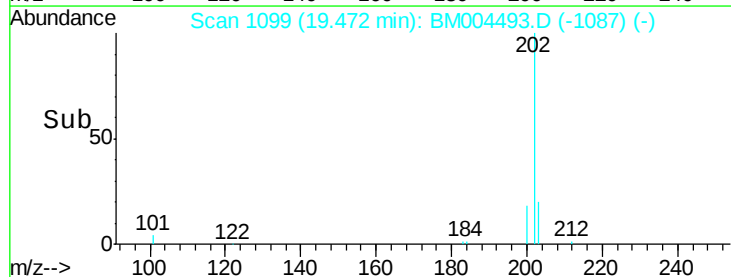
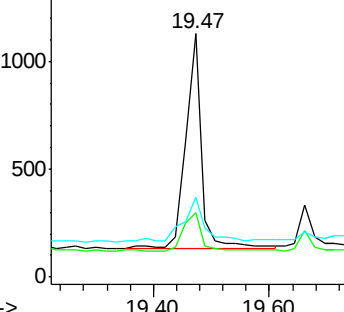
203 29.0 14.1 21.1#

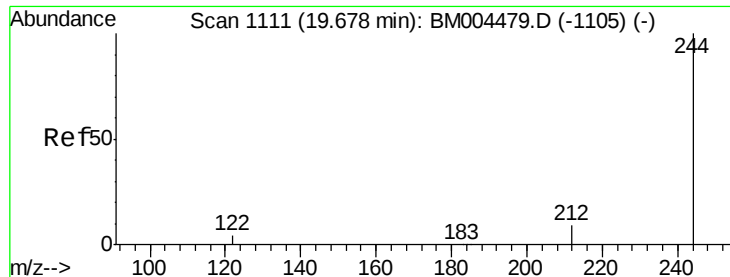


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.79 ng

RT: 19.66 min Scan# 1110

Delta R.T. -0.02 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

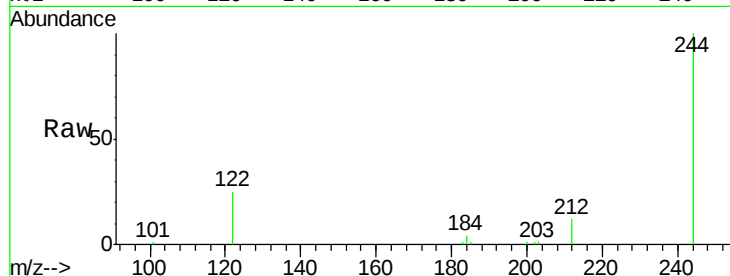
Tgt Ion:244 Resp: 50307

Ion Ratio Lower Upper

244 100

212 11.8 7.5 11.3#

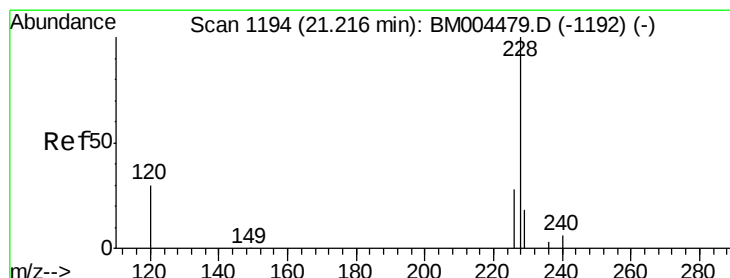
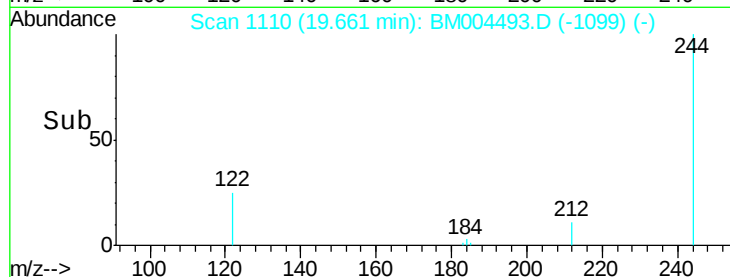
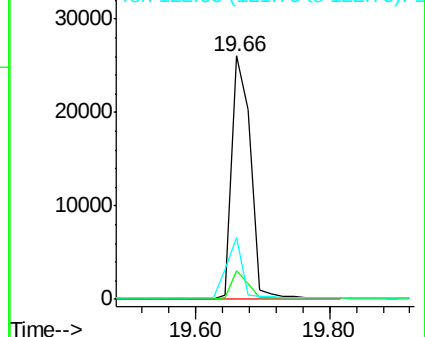
122 25.3 4.2 6.2#



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: 21.28 min Scan# 1197

Delta R.T. 0.06 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

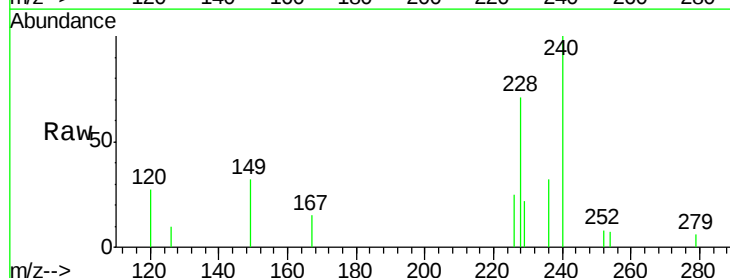
Tgt Ion:228 Resp: 2680

Ion Ratio Lower Upper

228 100

226 35.5 22.8 34.2#

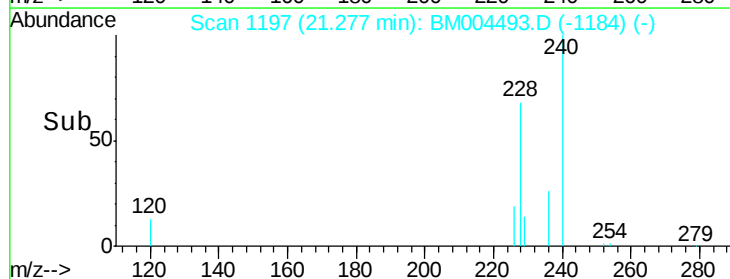
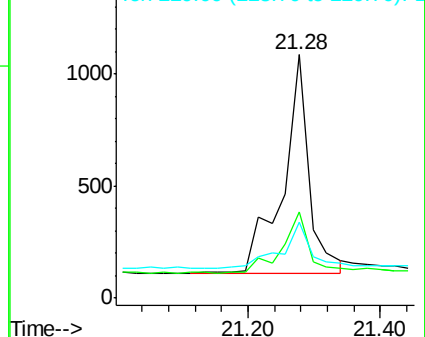
229 31.2 14.6 22.0#

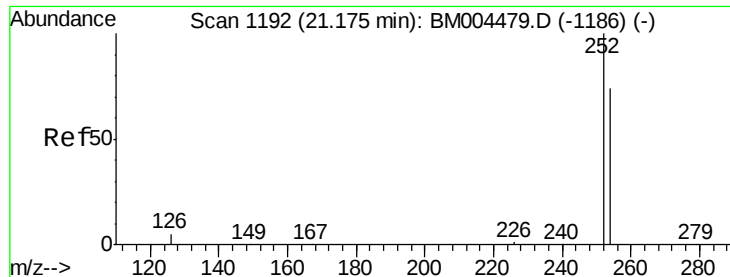


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

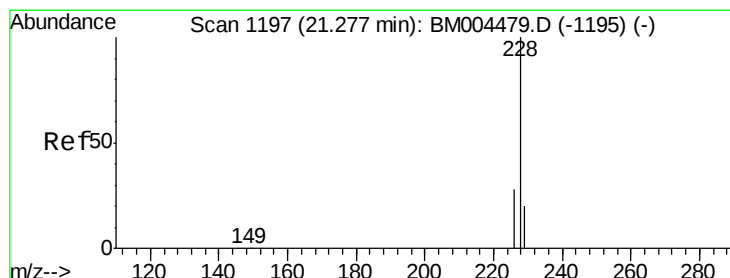
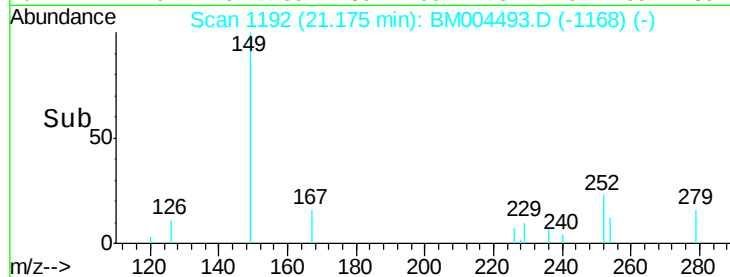
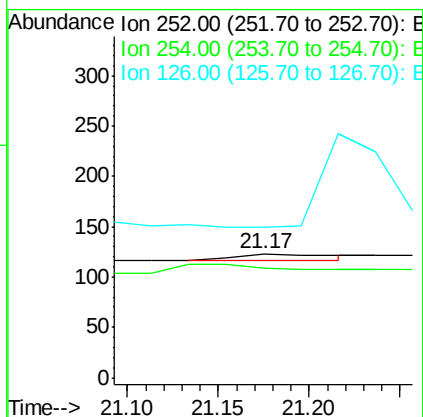
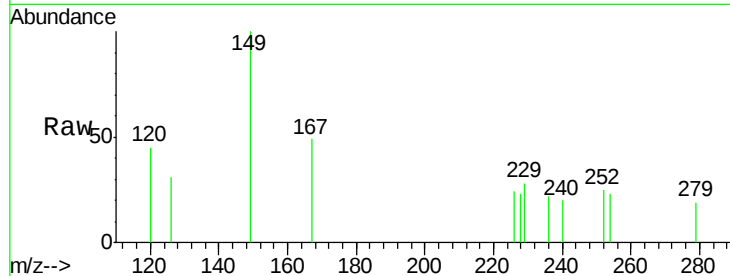




#31
 3,3'-Dichlorobenzidine
 Concen: 0.13 ng
 RT: 21.17 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BM004493.D
 Acq: 01 Mar 2016 06:18

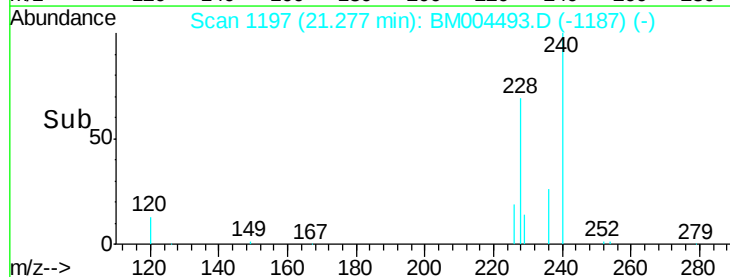
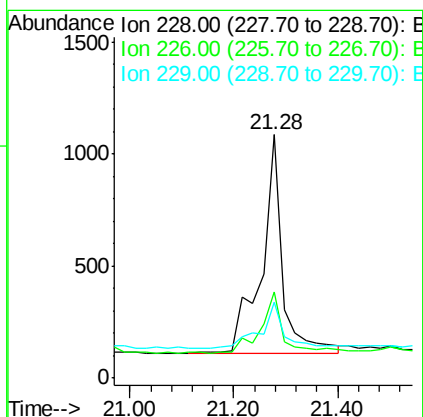
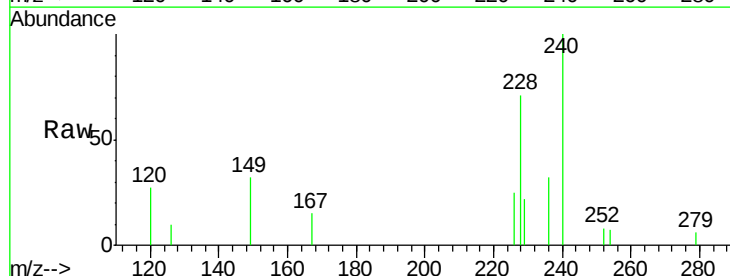
Instrument :
 BNA_M
 ClientSampleId :
 MW-5

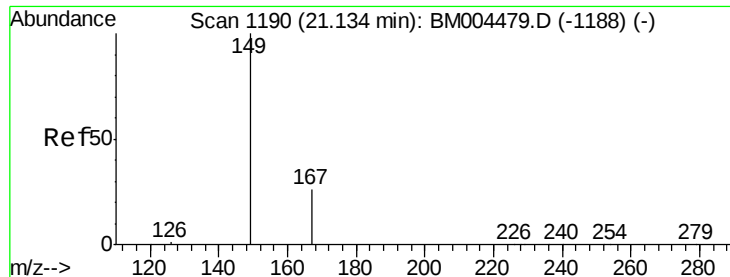
Tgt Ion: 252 Resp: 21
 Ion Ratio Lower Upper
 252 100
 254 88.6 59.4 89.0
 126 122.0 5.5 8.3#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.28 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BM004493.D
 Acq: 01 Mar 2016 06:18

Tgt Ion: 228 Resp: 2834
 Ion Ratio Lower Upper
 228 100
 226 35.5 21.4 32.2#
 229 31.2 17.1 25.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng

RT: 21.13 min Scan# 1190

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

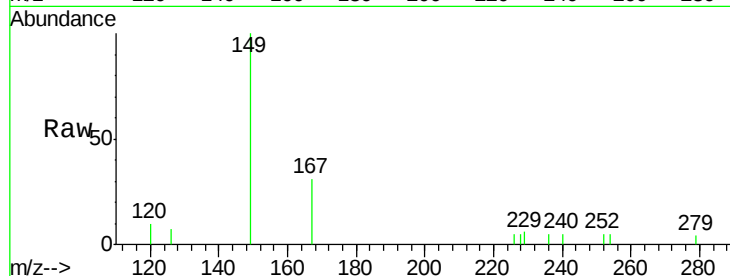
Tgt Ion:149 Resp: 2432

Ion Ratio Lower Upper

149 100

167 26.1 21.2 31.8

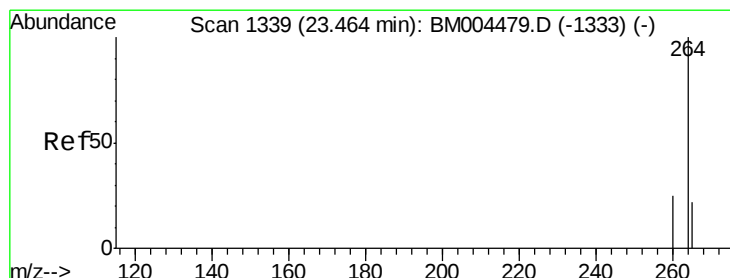
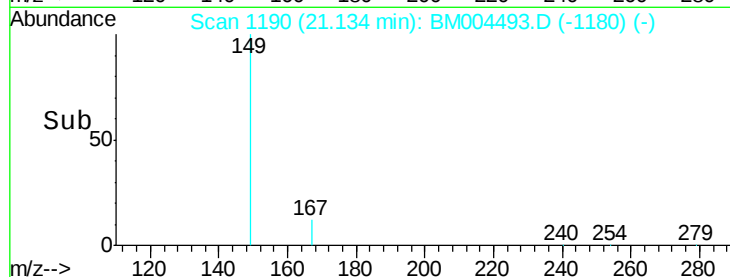
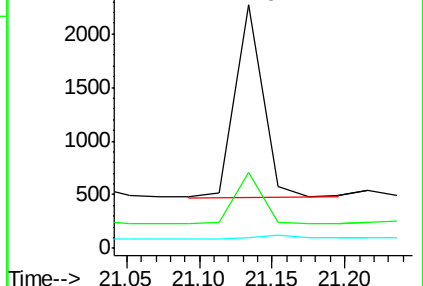
279 0.0 0.0 0.0



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: BM004493.D

Acq: 01 Mar 2016 06:18

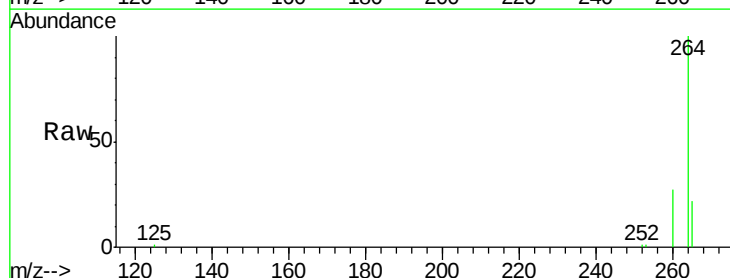
Tgt Ion:264 Resp: 68291

Ion Ratio Lower Upper

264 100

260 26.8 19.8 29.6

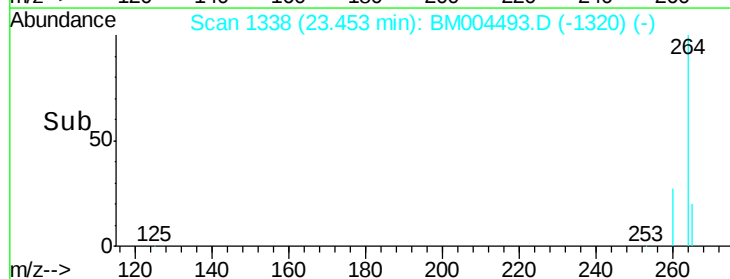
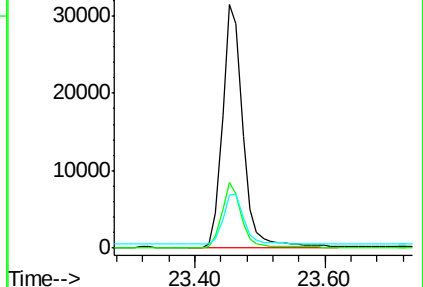
265 21.9 18.9 28.3

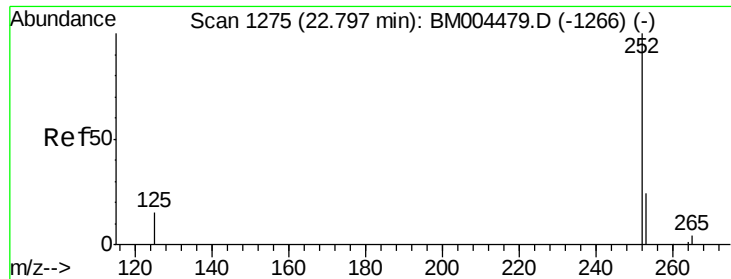


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#36

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 22.80 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

Instrument :

BNA_M

ClientSampleId :

MW-5

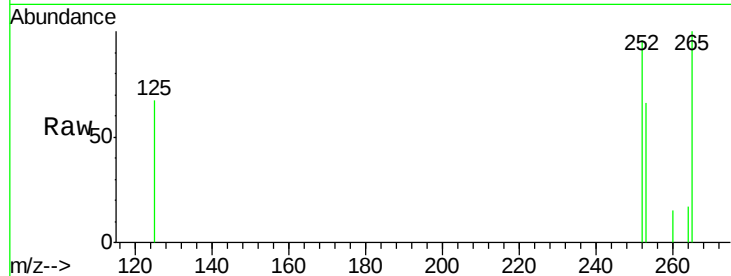
Tgt Ion:252 Resp: 1400

Ion Ratio Lower Upper

252 100

253 68.7 18.8 28.2#

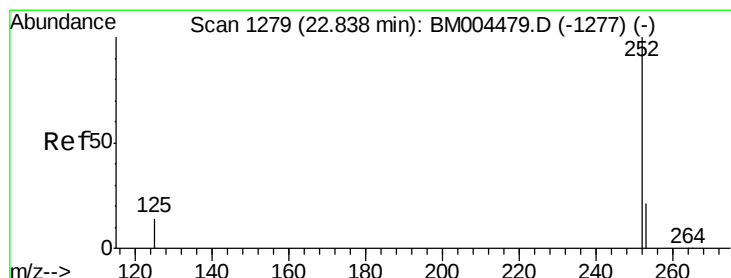
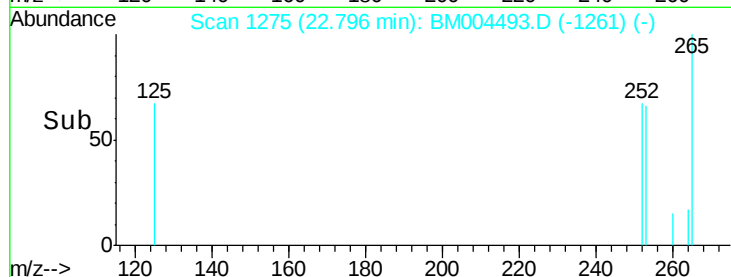
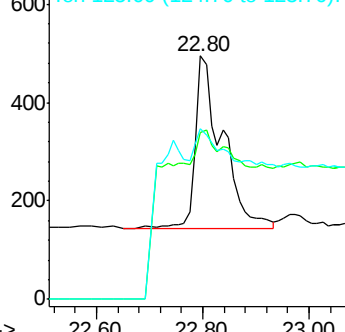
125 70.1 11.8 17.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(k)fluoranthene

Concen: 0.05 ng

RT: 22.80 min Scan# 1275

Delta R.T. -0.04 min

Lab File: BM004493.D

Acq: 01 Mar 2016 06:18

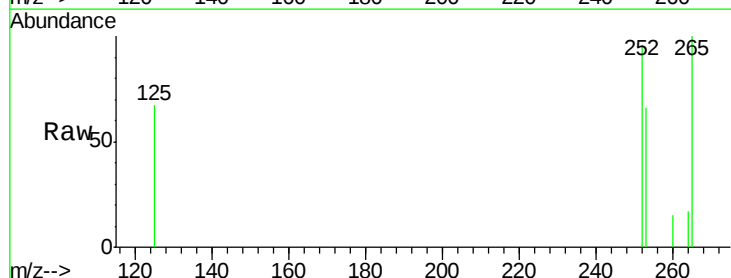
Tgt Ion:252 Resp: 1322

Ion Ratio Lower Upper

252 100

253 68.7 18.3 27.5#

125 70.1 12.2 18.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

