

Data Path : Z:\HPCHEM1\BNA M\Data\BM030116\
 Data File : BM004517.D
 Acq On : 02 Mar 2016 13:19
 Operator : SJ/UM
 Sample : H1509-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1-FD

Quant Time: Mar 02 15:39:07 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 14:46:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	19535	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	76984	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	40725	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	95623	5.00	ng	0.00
26) Chrysene-d12	21.23	240	76345	5.00	ng	0.00
35) Perylene-d12	23.45	264	66487	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	11290	2.76	ng	-0.02
5) Phenol-d6	6.81	99	8220	1.62	ng	-0.02
8) Nitrobenzene-d5	8.77	82	16060	3.94	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	13984	9.30	ng	-0.02
15) 2-Fluorobiphenyl	12.87	172	57394	4.53	ng	-0.01
29) Terphenyl-d14	19.65	244	50216	4.42	ng	-0.02

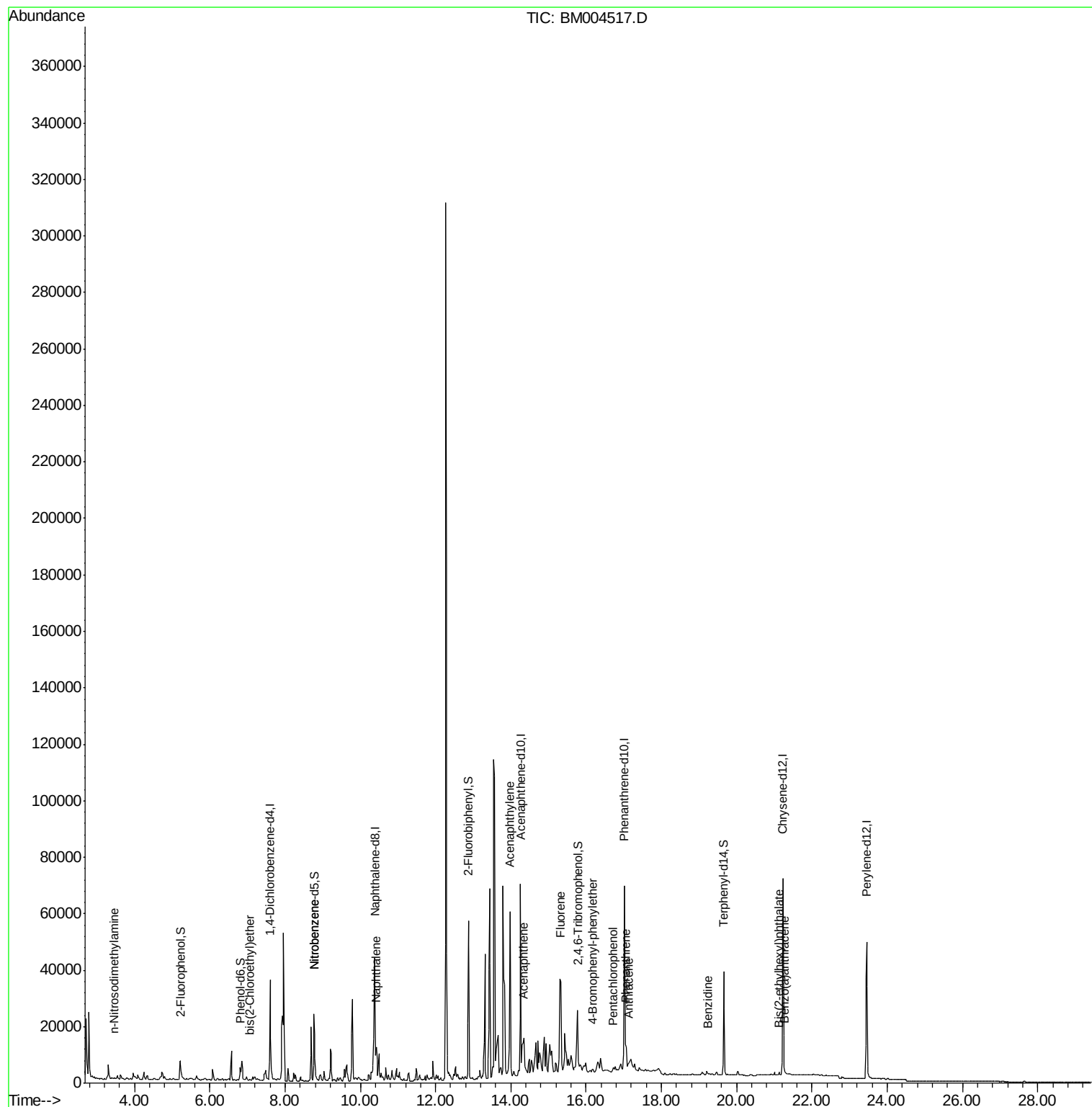
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.46	42	634	0.46	ng	# 1
6) bis(2-Chloroethyl)ether	7.07	93	222	0.14	ng	# 1
9) Nitrobenzene	8.77	77	7918	1.80	ng	# 35
10) Naphthalene	10.42	128	11838	0.65	ng	# 40
16) Acenaphthylene	13.97	152	9033	0.53	ng	# 1
17) Acenaphthene	14.33	154	10382	0.91	ng	# 68
18) Fluorene	15.33	166	35297	2.58	ng	# 11
20) 4-Bromophenyl-phenylether	16.17	248	15	0.14	ng	# 1
21) Hexachlorobenzene	16.35	284	6	Below Cal		# 100
22) Pentachlorophenol	16.70	266	261	0.59	ng	# 96
23) Phenanthrene	17.06	178	17255	0.82	ng	# 70
24) Anthracene	17.14	178	3234	0.31	ng	# 78
27) Benzidine	19.23	184	336	0.38	ng	# 1
30) Benzo(a)anthracene	21.27	228	2813	0.15	ng	# 77
32) Chrysene	21.27	228	2865	Below Cal		# 75
33) Bis(2-ethylhexyl)phthalate	21.12	149	1317	0.19	ng	# 98
36) Benzo(b)fluoranthene	22.80	252	1002	Below Cal		# 7
37) Benzo(k)fluoranthene	22.80	252	1002	Below Cal		# 8

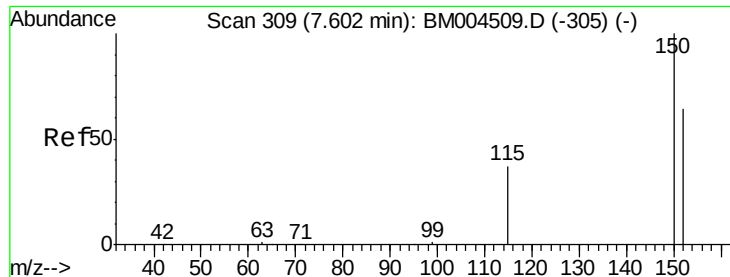
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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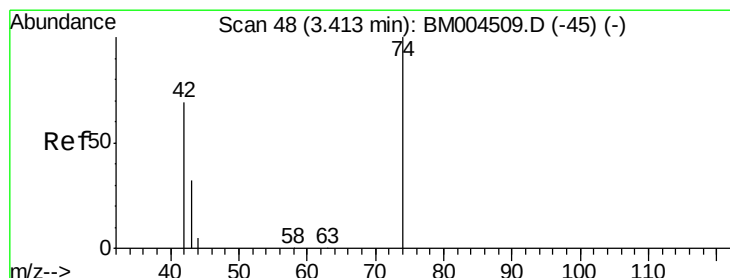
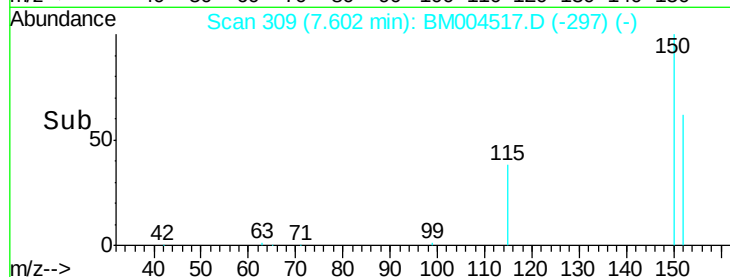
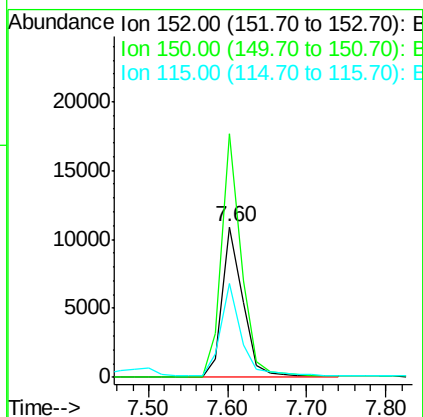
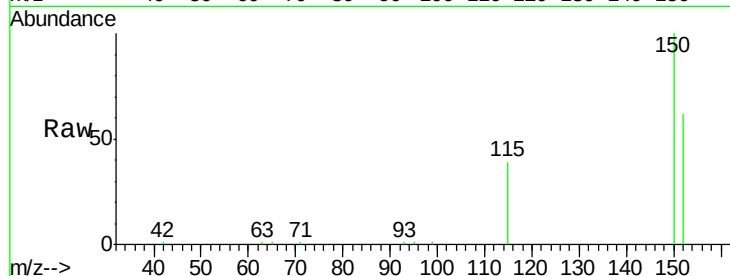


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.60 min Scan# 309
Delta R.T. -0.00 min
Lab File: BM004517.D
Acq: 02 Mar 2016 13:19

Instrument :
BNA_M
ClientSampled :
MW-1-FD

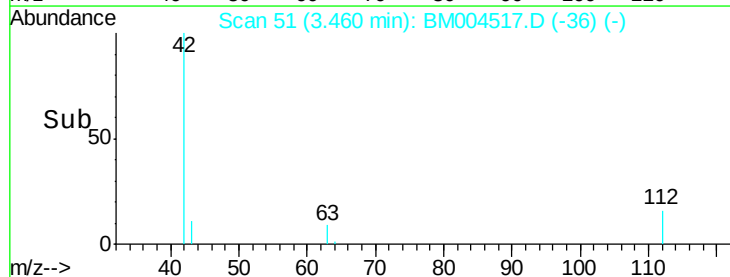
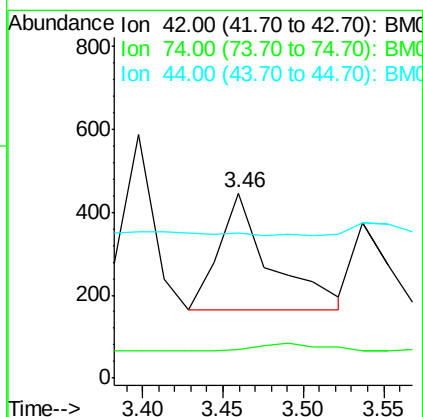
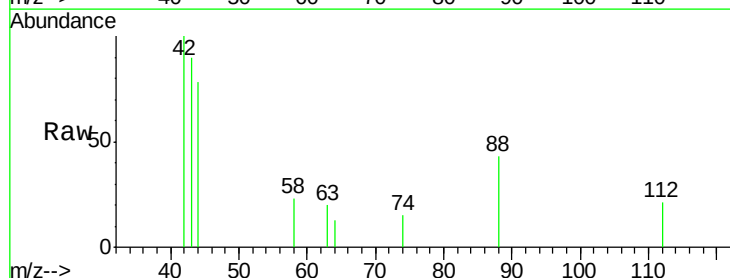
Tot Ion:152 Resp: 19535
Ion Ratio Lower Upper
152 100
150 162.0 134.2 201.2
115 62.5 52.2 78.4

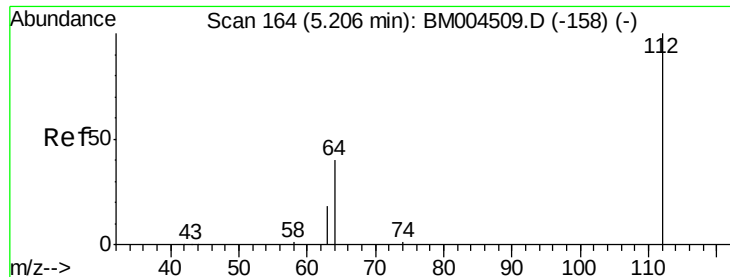


#3

n-Nitrosodimethylamine
Concen: 0.46 ng
RT: 3.46 min Scan# 51
Delta R.T. 0.03 min
Lab File: BM004517.D
Acq: 02 Mar 2016 13:19

Tgt Ion: 42 Resp: 634
Ion Ratio Lower Upper
42 100
74 0.0 115.5 173.3#
44 0.0 6.2 9.4#





#4

2-Fluorophenol

Concen: 2.76 ng

RT: 5.22 min Scan# 165

Delta R.T. -0.02 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

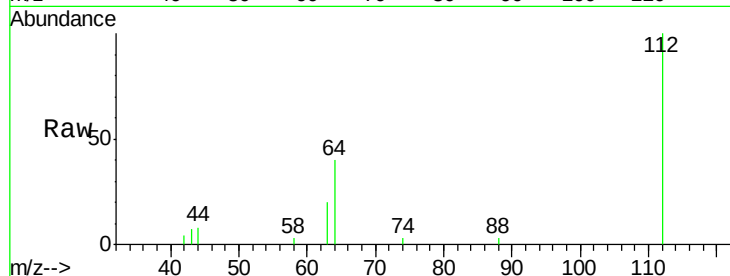
Tot Ion:112 Resp: 11290

Ion Ratio Lower Upper

112 100

64 48.8 37.0 55.6

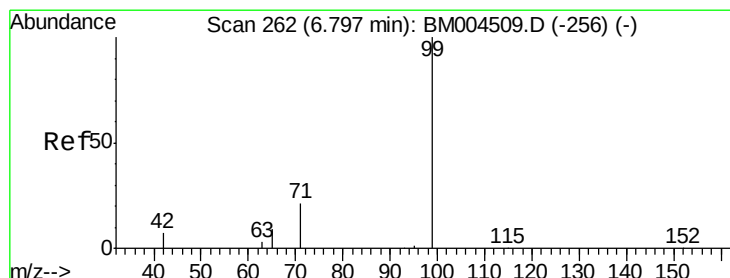
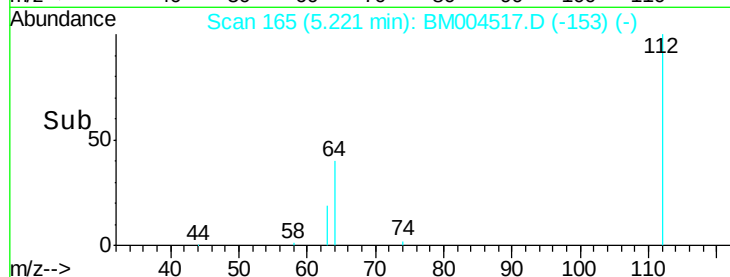
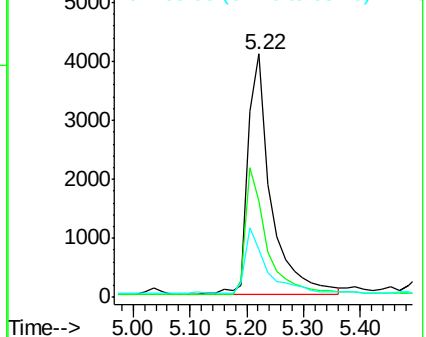
63 26.6 19.0 28.4



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: 1.62 ng

RT: 6.81 min Scan# 263

Delta R.T. -0.02 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

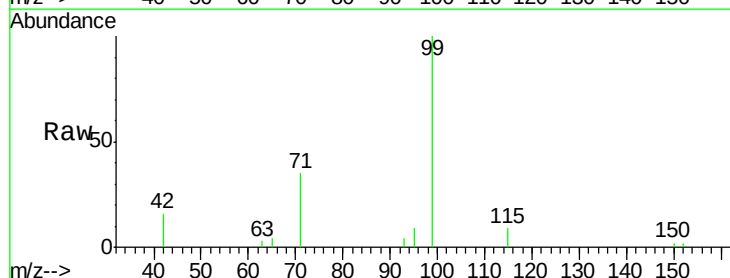
Tgt Ion: 99 Resp: 8220

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.4

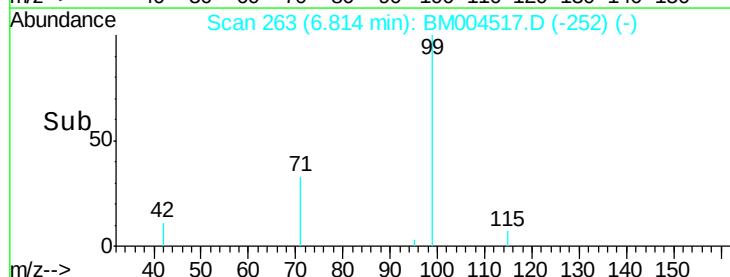
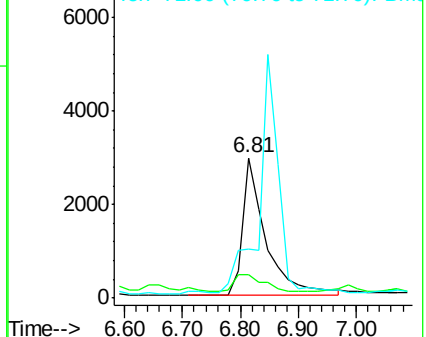
71 0.0 23.4 35.2#

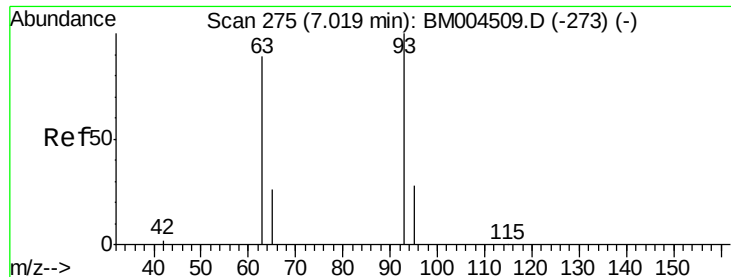


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 7.07 min Scan# 278

Delta R.T. 0.03 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampled :

MW-1-FD

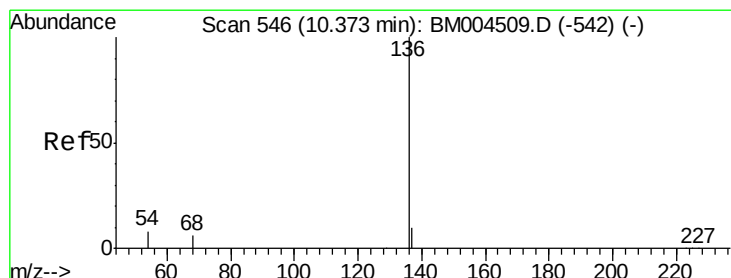
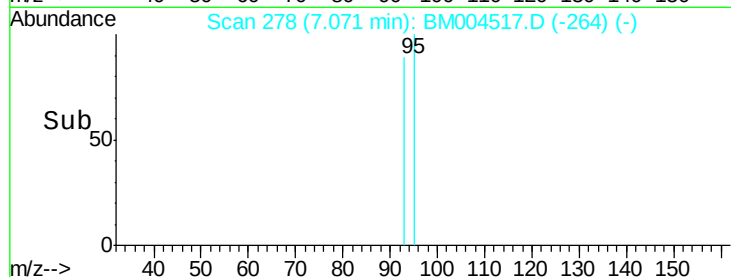
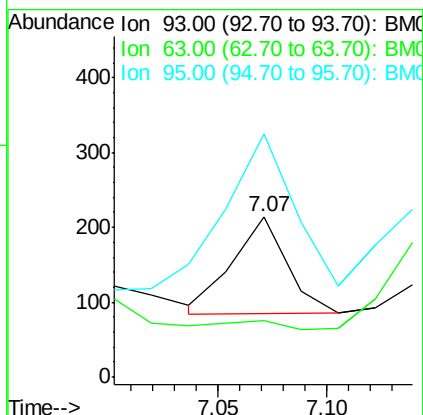
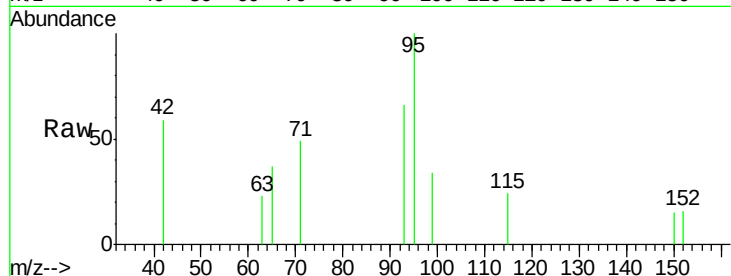
Tot Ion: 93 Resp: 222

Ion Ratio Lower Upper

93 100

63 0.0 51.1 76.7#

95 206.8 25.0 37.6#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 547

Delta R.T. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Tgt Ion: 136 Resp: 76984

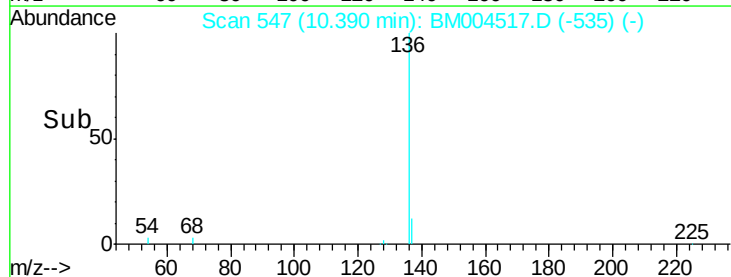
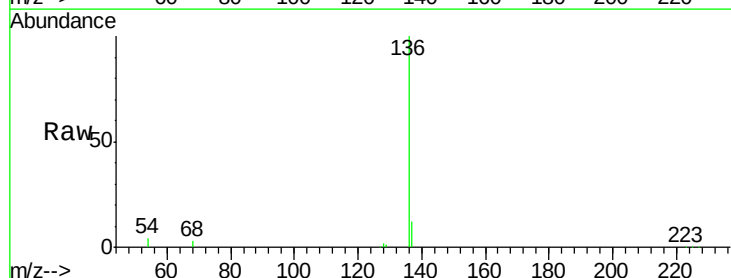
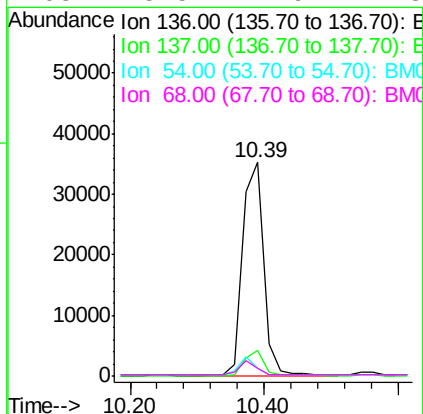
Ion Ratio Lower Upper

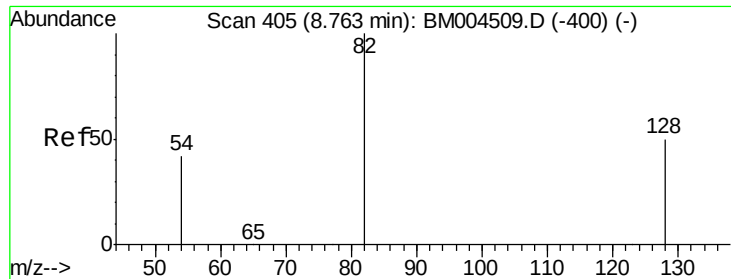
136 100

137 11.8 9.0 13.6

54 3.7 3.3 4.9

68 3.5 2.9 4.3





#8

Nitrobenzene-d5

Concen: 3.94 ng

RT: 8.77 min Scan# 406

Delta R.T. -0.02 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

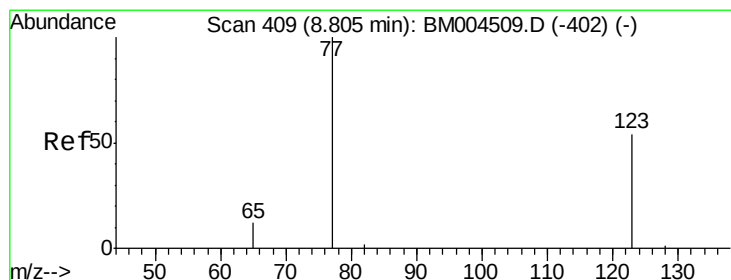
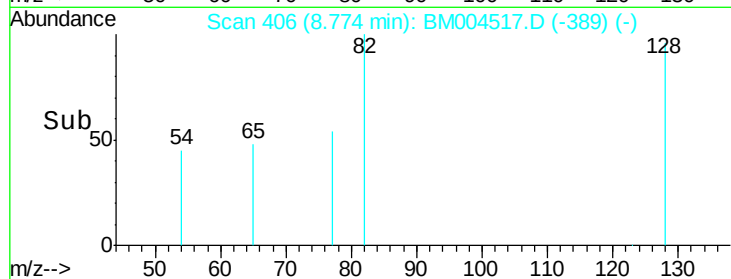
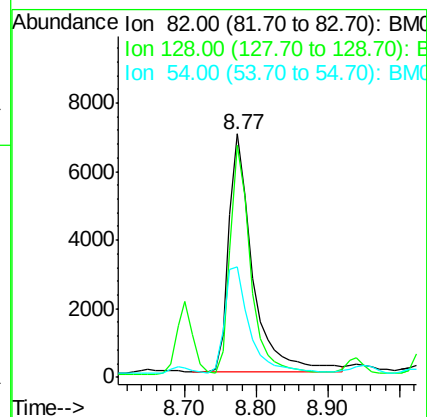
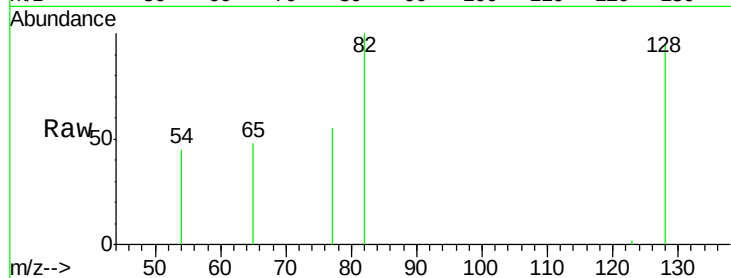
Tot Ion: 82 Resp: 16060

Ion Ratio Lower Upper

82 100

128 95.3 41.9 62.9#

54 45.3 34.2 51.2



#9

Nitrobenzene

Concen: 1.80 ng

RT: 8.77 min Scan# 406

Delta R.T. -0.06 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

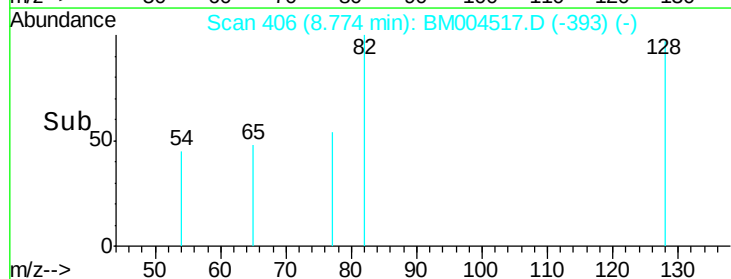
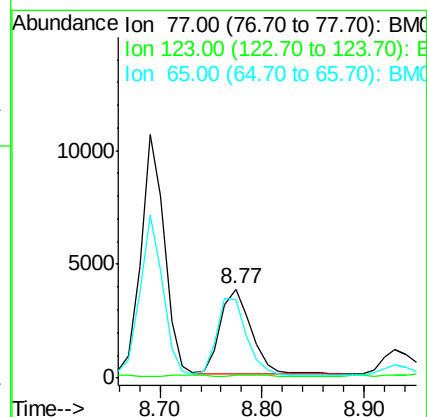
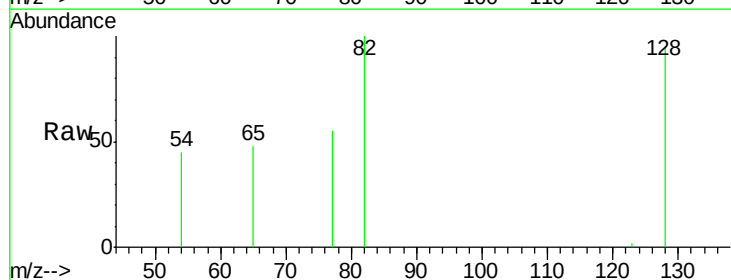
Tgt Ion: 77 Resp: 7918

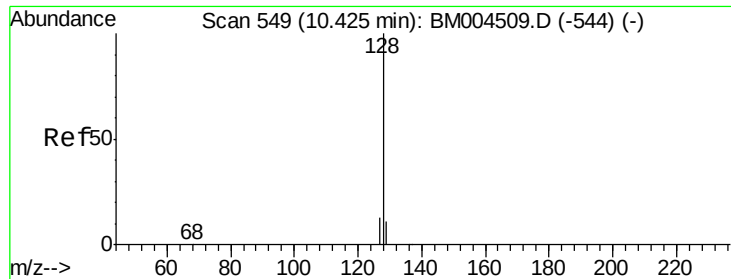
Ion Ratio Lower Upper

77 100

123 1.5 42.5 63.7#

65 0.0 10.0 15.0#

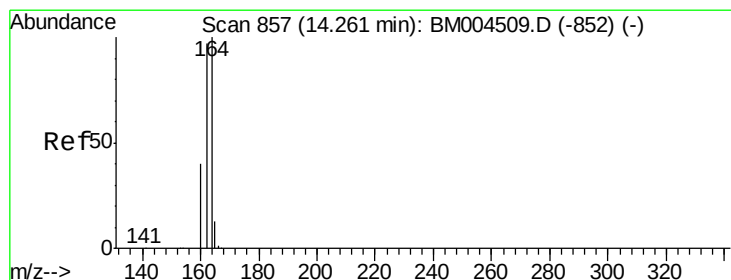
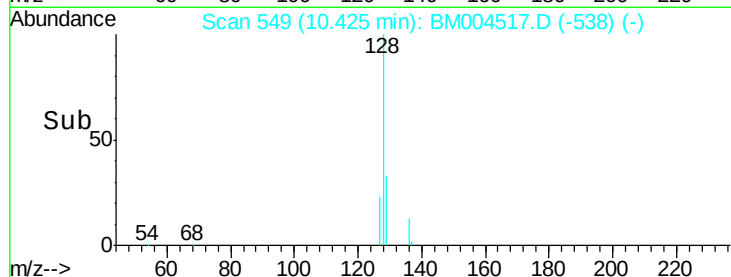
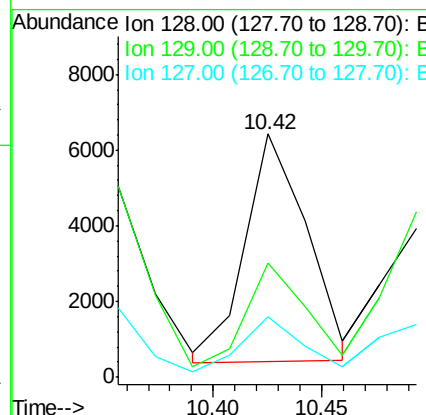
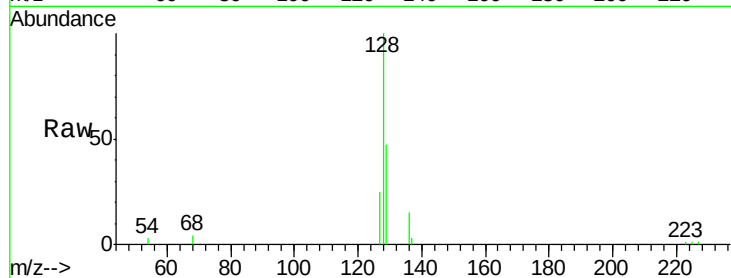




#10
Naphthalene
Concen: 0.65 ng
RT: 10.42 min Scan# 549
Delta R.T. -0.02 min
Lab File: BM004517.D
Acq: 02 Mar 2016 13:19

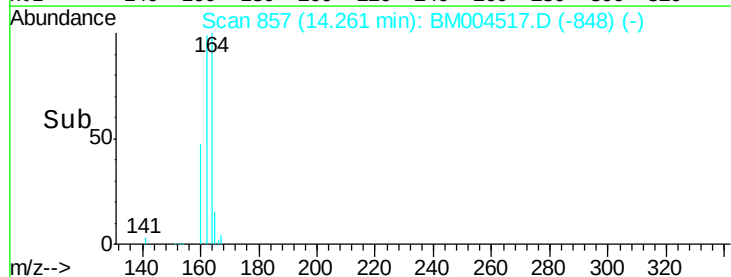
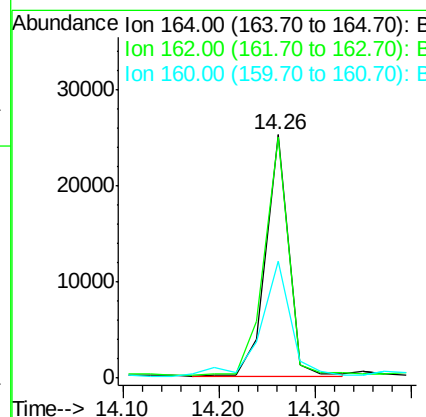
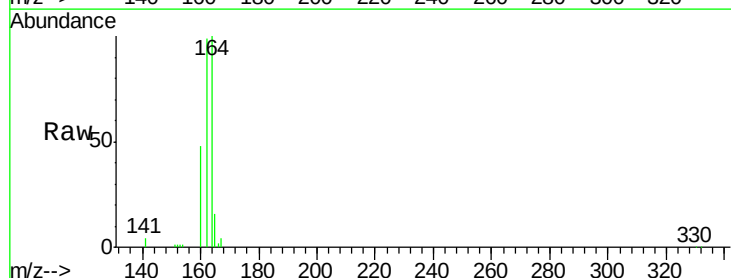
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MW-1-FD

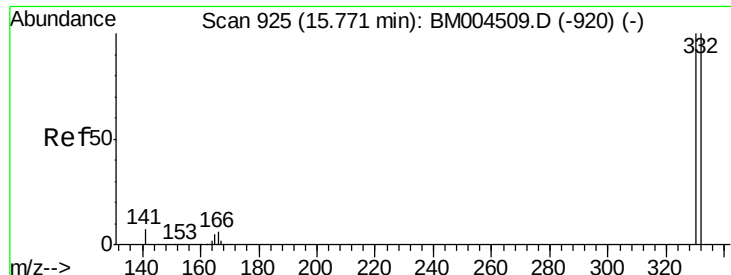
Tot Ion:128 Resp: 11838
Ion Ratio Lower Upper
128 100
129 47.1 9.8 14.6#
127 24.8 9.9 14.9#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.00 min
Lab File: BM004517.D
Acq: 02 Mar 2016 13:19

Tgt Ion:164 Resp: 40725
Ion Ratio Lower Upper
164 100
162 99.0 81.6 122.4
160 48.2 34.9 52.3

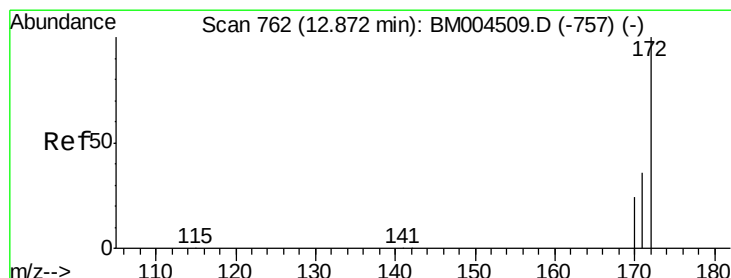
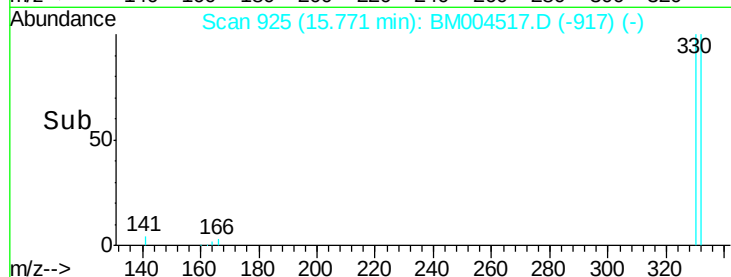
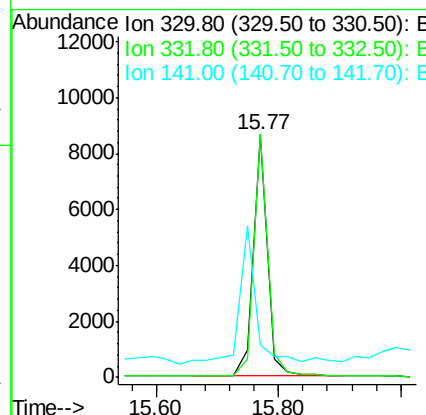
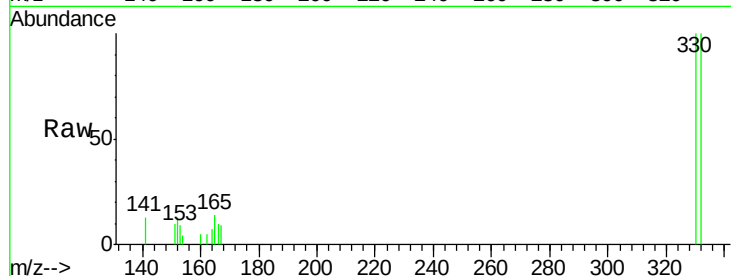




#14
 2,4,6-Tribromophenol
 Concen: 9.30 ng
 RT: 15.77 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BM004517.D
 Acq: 02 Mar 2016 13:19

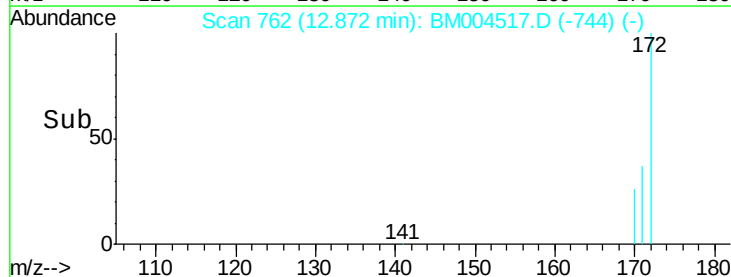
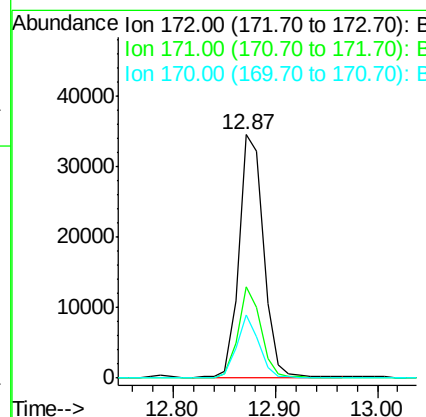
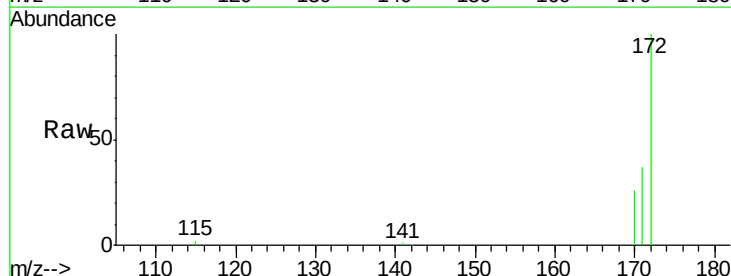
Instrument :
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 ClientSampleId :
 MW-1-FD

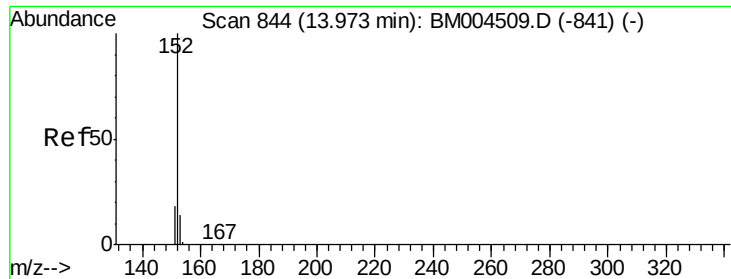
Tot Ion:330 Resp: 13984
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 114.8
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 4.53 ng
 RT: 12.87 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BM004517.D
 Acq: 02 Mar 2016 13:19

Tgt Ion:172 Resp: 57394
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.5 44.3
 170 26.0 20.2 30.2





#16

Acenaphthylene

Concen: 0.53 ng

RT: 13.97 min Scan# 844

Delta R.T. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

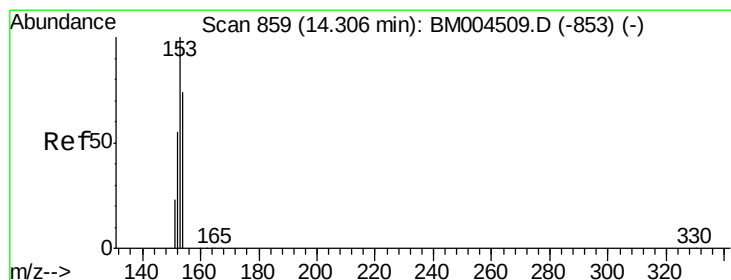
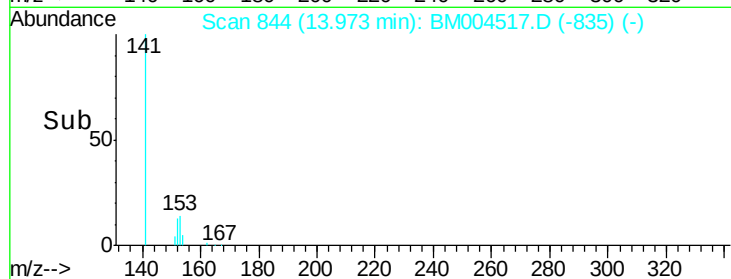
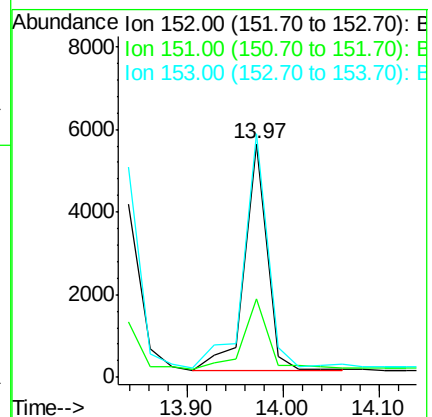
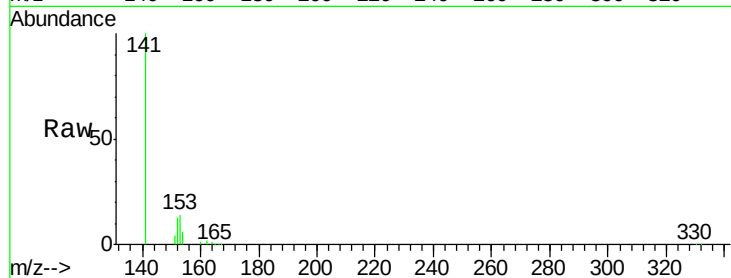
Tot Ion:152 Resp: 9033

Ion Ratio Lower Upper

152 100

151 33.6 15.8 23.6#

153 107.7 10.2 15.4#



#17

Acenaphthene

Concen: 0.91 ng

RT: 14.33 min Scan# 860

Delta R.T. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

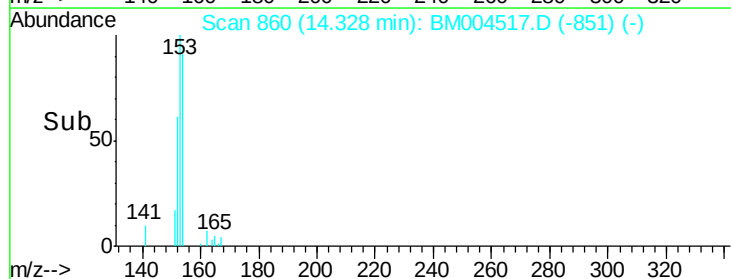
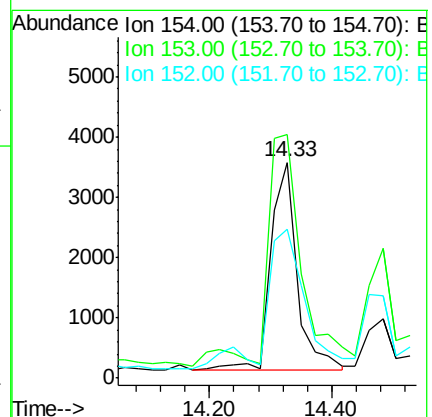
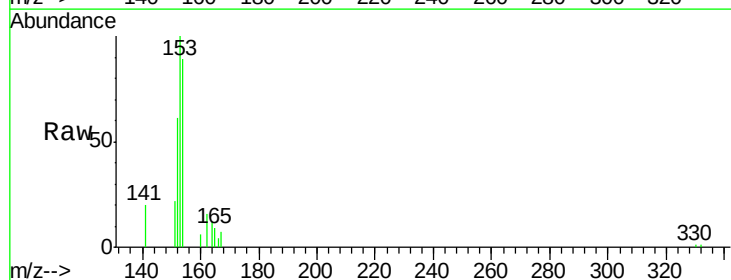
Tgt Ion:154 Resp: 10382

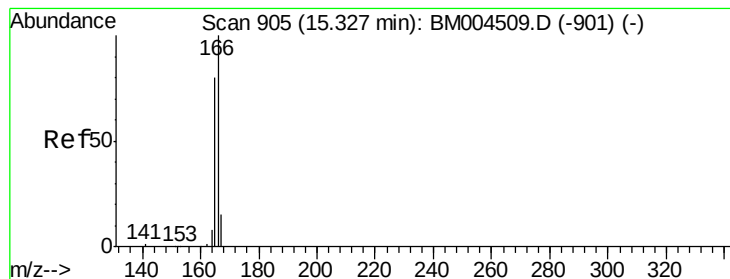
Ion Ratio Lower Upper

154 100

153 128.9 88.7 133.1

152 98.0 41.8 62.8#





#18

Fluorene

Concen: 2.58 ng

RT: 15.33 min Scan# 905

Delta R.T. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

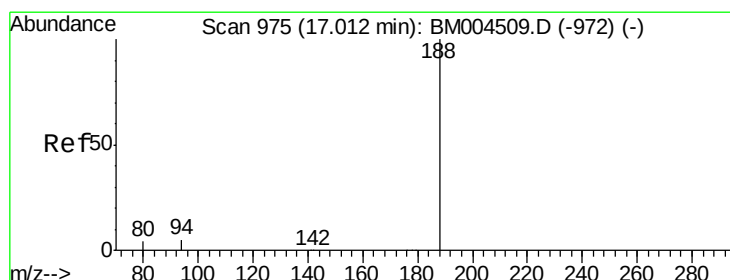
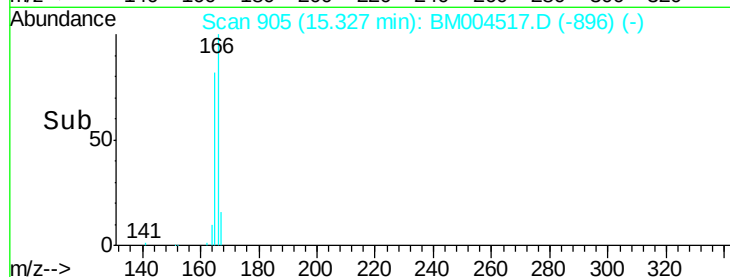
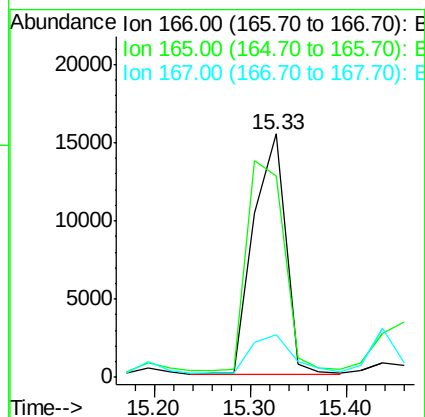
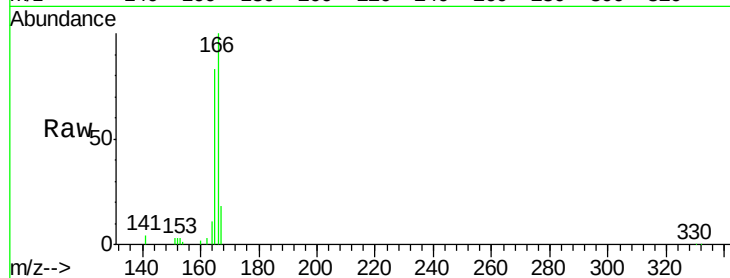
Tot Ion:166 Resp: 35297

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.6#

167 21.3 10.8 16.2#



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 975

Delta R.T. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

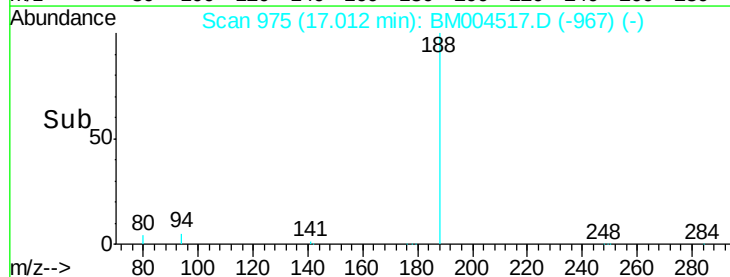
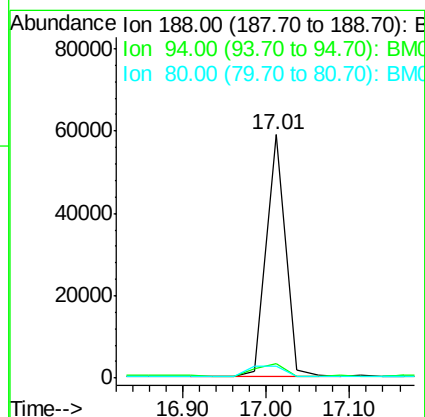
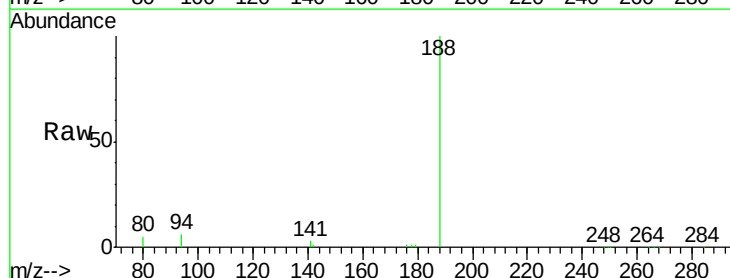
Tgt Ion:188 Resp: 95623

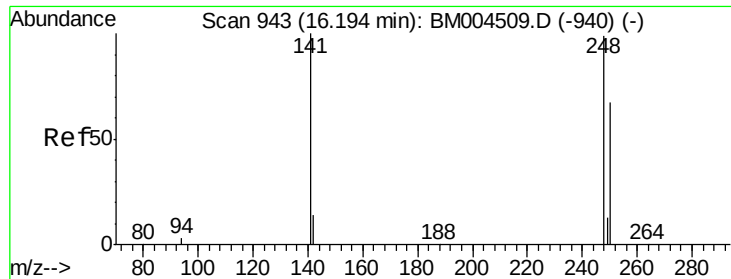
Ion Ratio Lower Upper

188 100

94 5.8 6.3 9.5#

80 5.0 5.9 8.9#

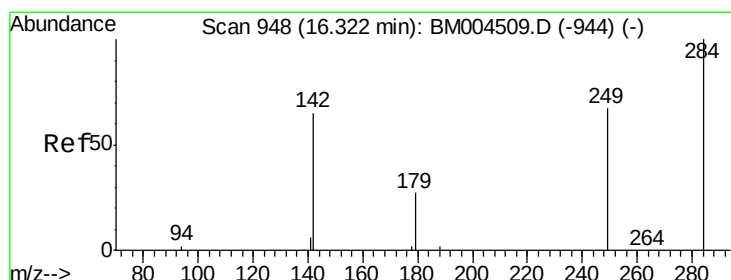
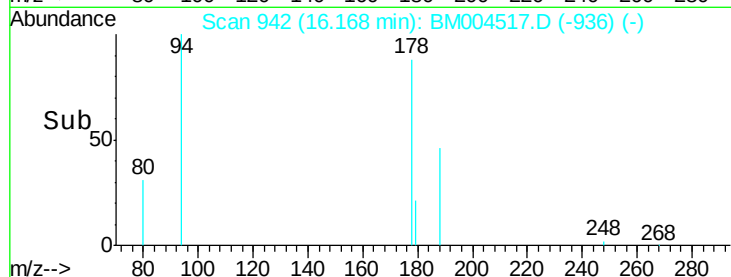
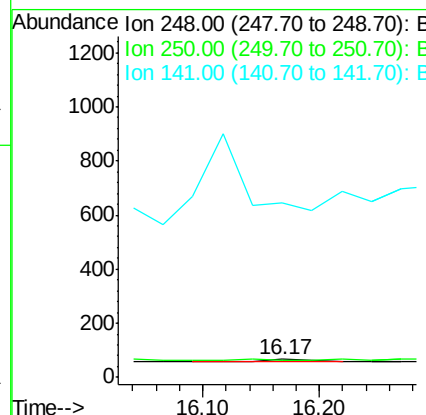
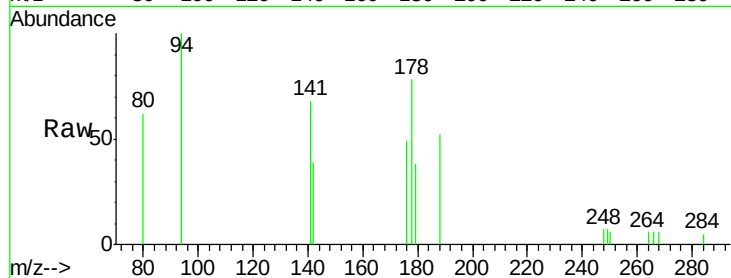




#20
4-Bromophenyl-phenylether
Concen: 0.14 ng
RT: 16.17 min Scan# 942
Delta R.T. -0.05 min
Lab File: BM004517.D
Acq: 02 Mar 2016 13:19

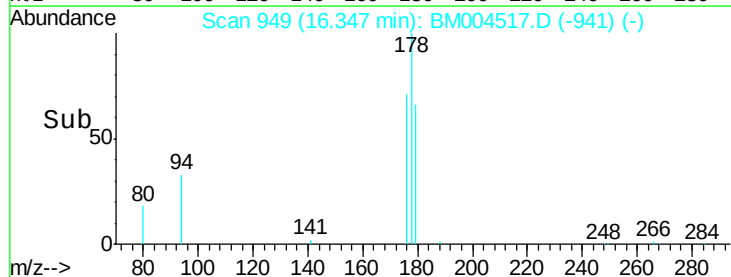
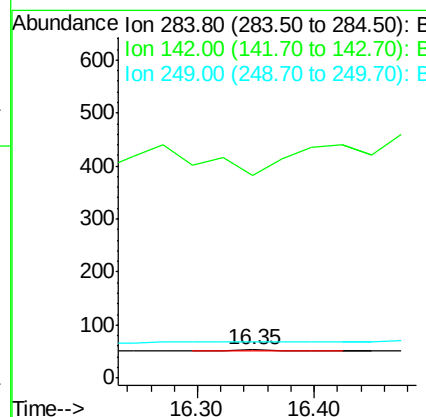
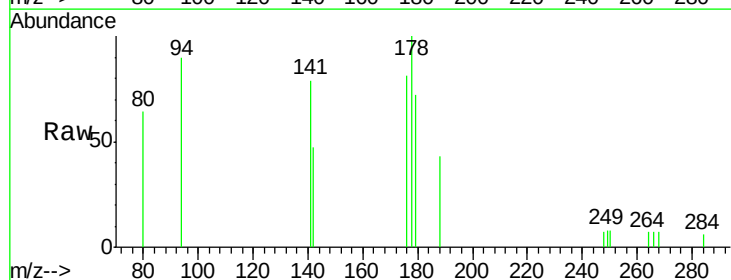
Instrument :
BNA_M
ClientSampleId :
MW-1-FD

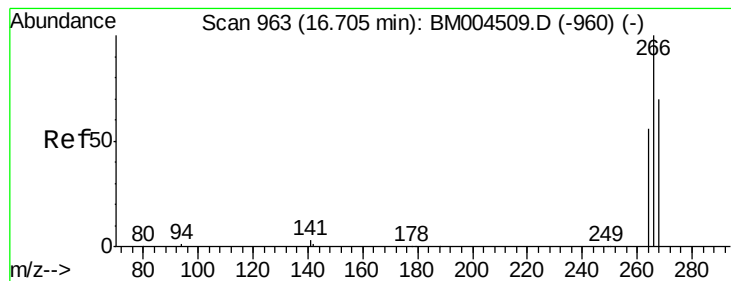
Tot Ion:248 Resp: 15
Ion Ratio Lower Upper
248 100
250 0.0 85.8 128.8#
141 0.0 0.0 0.0



#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.35 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM004517.D
Acq: 02 Mar 2016 13:19

Tgt Ion:284 Resp: 6
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





#22

Pentachlorophenol

Concen: 0.59 ng

RT: 16.70 min Scan# 963

Delta R.T. -0.03 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

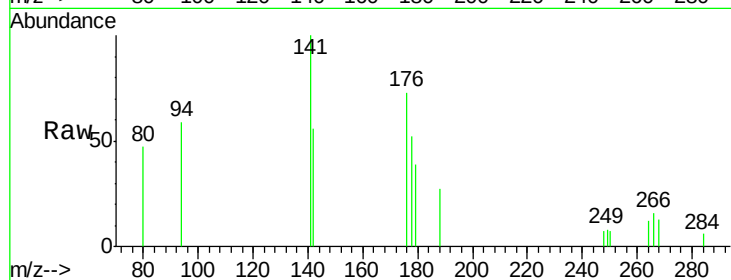
Tot Ion:266 Resp: 261

Ion Ratio Lower Upper

266 100

268 83.3 63.0 94.6

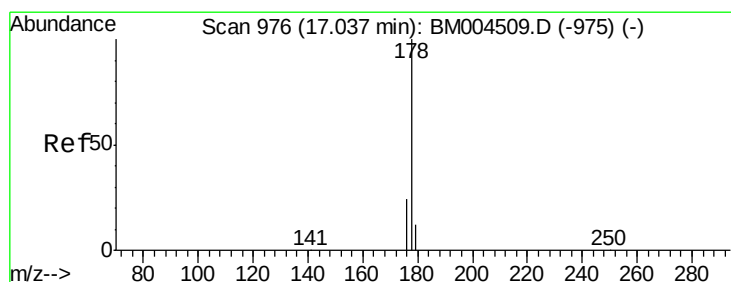
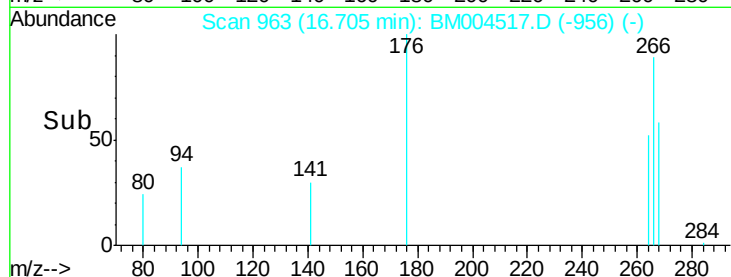
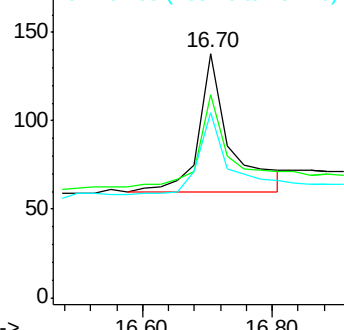
264 76.1 59.6 89.4



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: 0.82 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

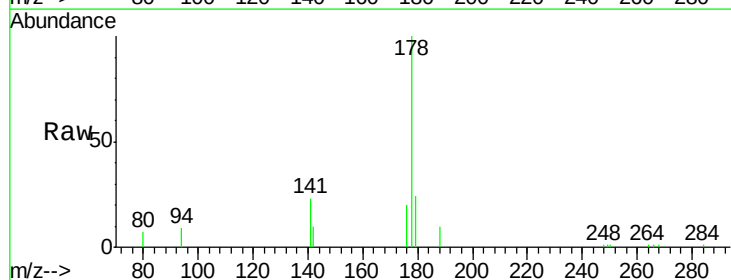
Tgt Ion:178 Resp: 17255

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

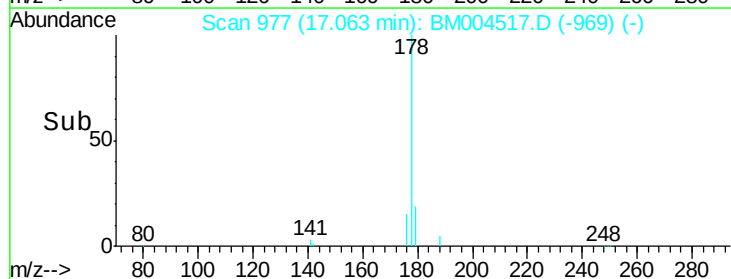
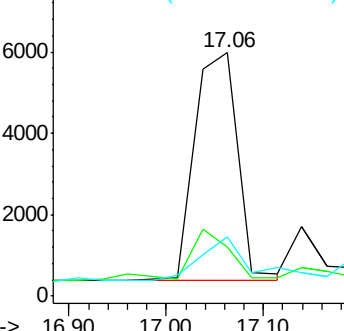
179 23.3 12.8 19.2#

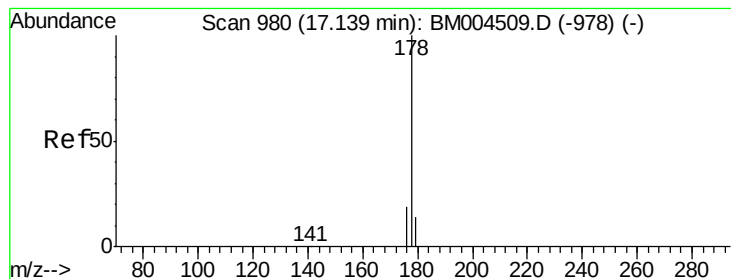


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.31 ng

RT: 17.14 min Scan# 980

Delta R.T. -0.03 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

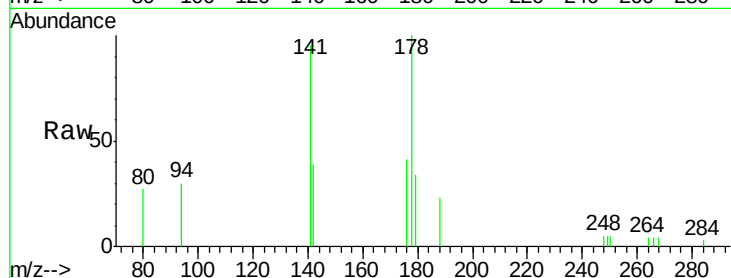
Tot Ion:178 Resp: 3234

Ion Ratio Lower Upper

178 100

176 23.1 14.7 22.1#

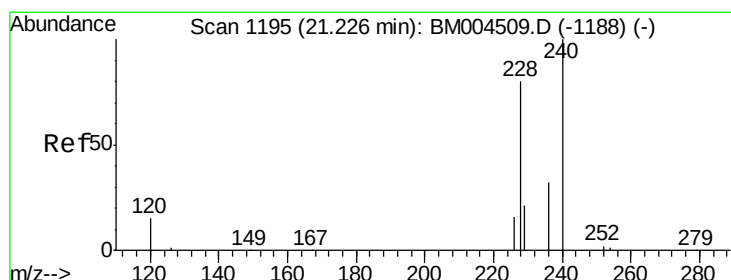
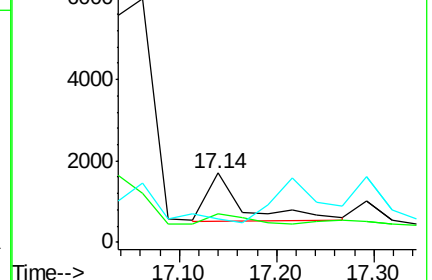
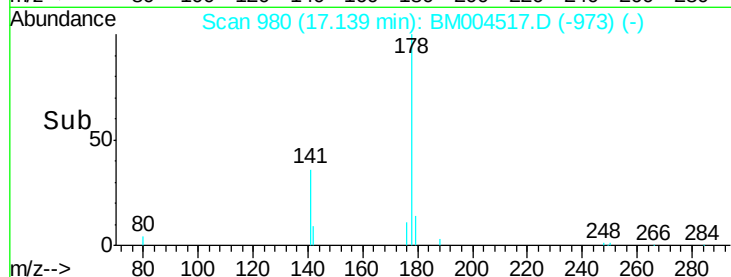
179 0.0 12.2 18.4#



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. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

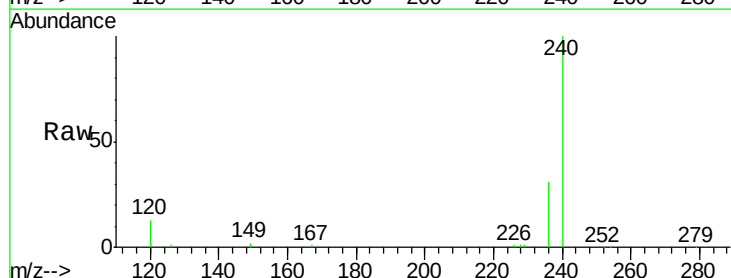
Tgt Ion:240 Resp: 76345

Ion Ratio Lower Upper

240 100

120 12.8 18.9 28.3#

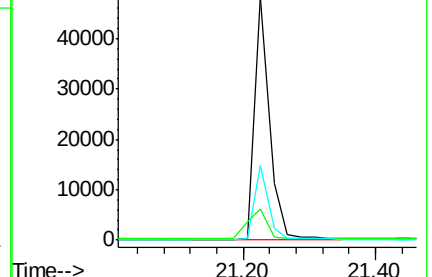
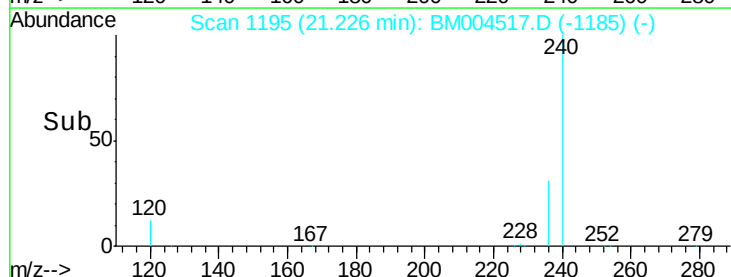
236 30.8 26.4 39.6

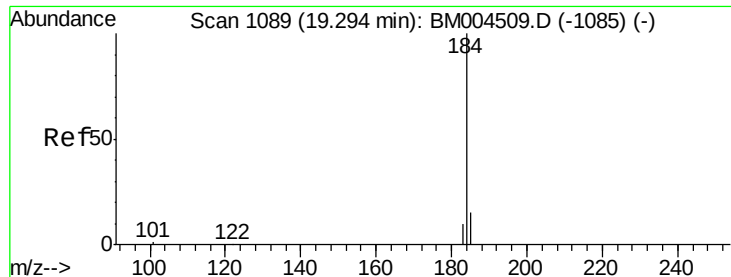


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.38 ng

RT: 19.23 min Scan# 1085

Delta R.T. -0.10 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

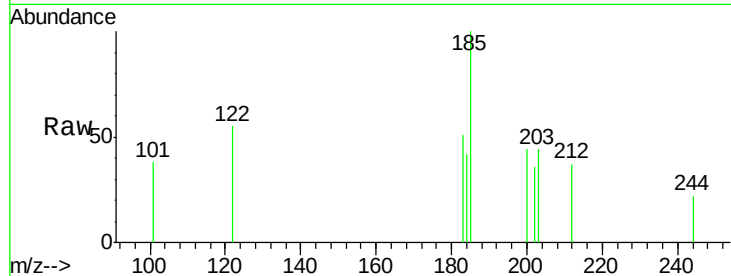
Tot Ion:184 Resp: 336

Ion Ratio Lower Upper

184 100

185 240.6 15.0 22.4#

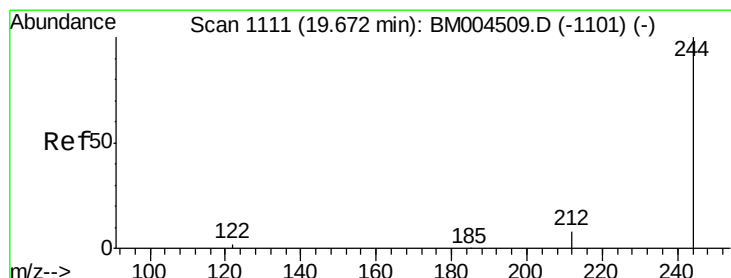
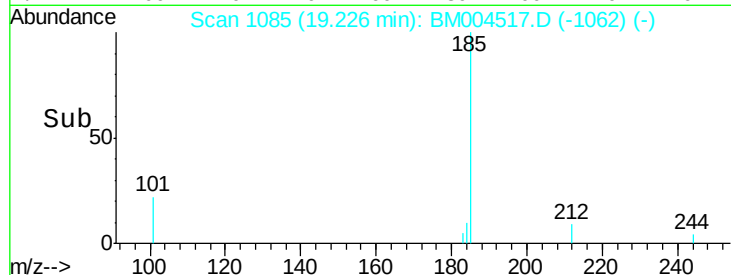
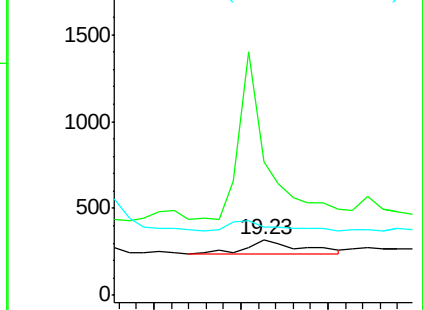
183 123.8 12.6 19.0#



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



#29

Terphenyl-d14

Concen: 4.42 ng

RT: 19.65 min Scan# 1110

Delta R.T. -0.02 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

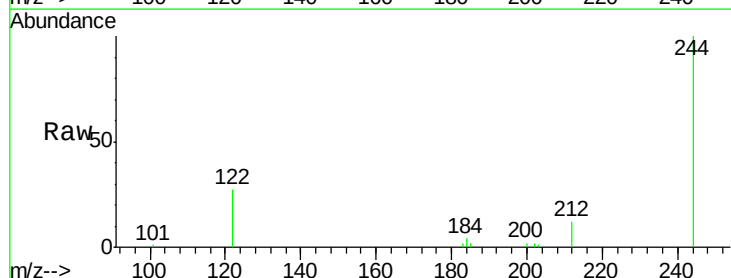
Tgt Ion:244 Resp: 50216

Ion Ratio Lower Upper

244 100

212 12.3 7.8 11.6#

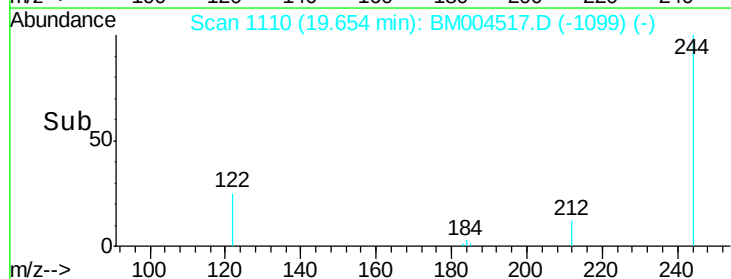
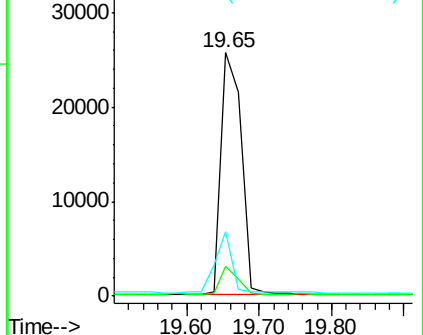
122 26.7 7.0 10.4#

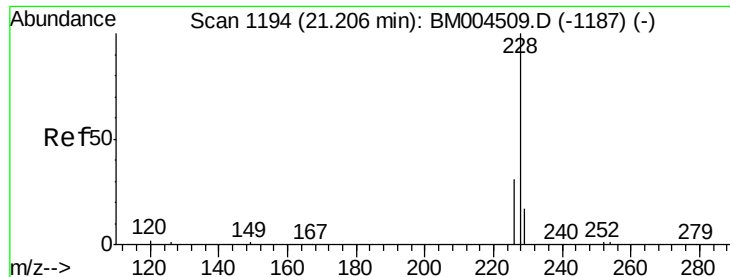


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.15 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.06 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

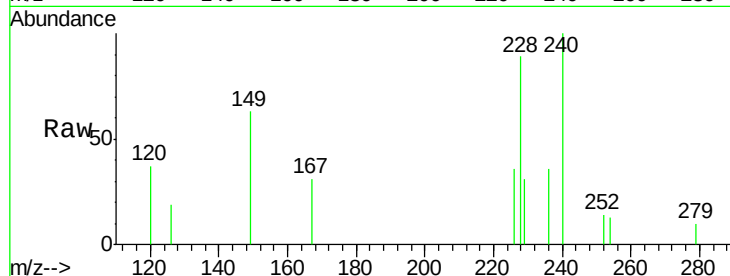
Tot Ion:228 Resp: 2813

Ion Ratio Lower Upper

228 100

226 40.9 27.0 40.4#

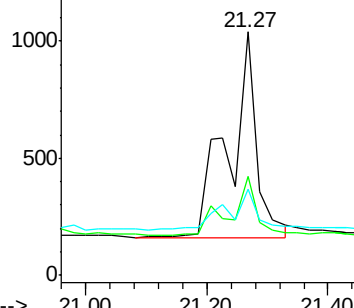
229 35.5 13.1 19.7#



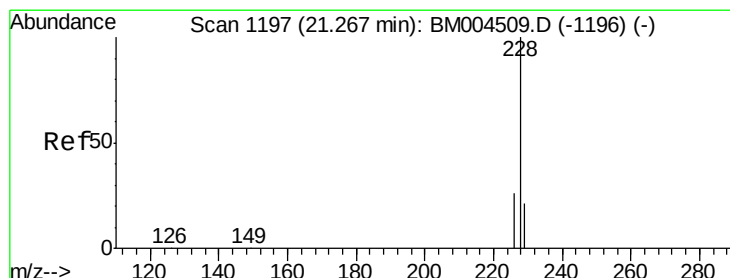
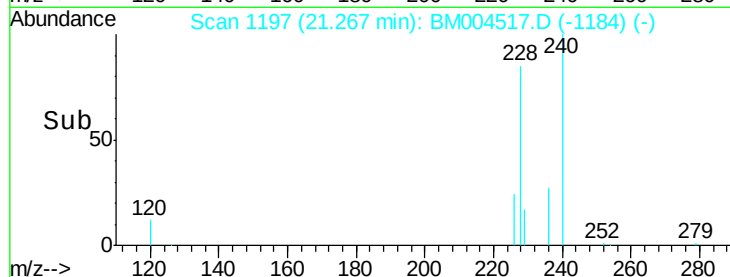
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

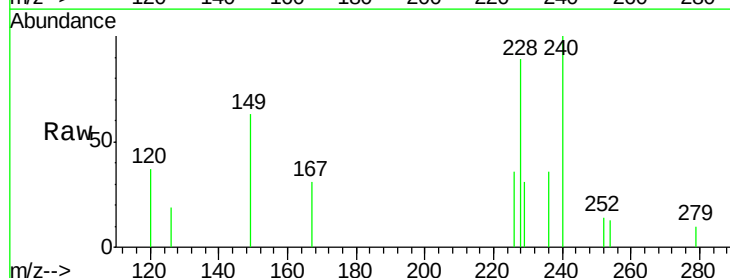
Tgt Ion:228 Resp: 2865

Ion Ratio Lower Upper

228 100

226 40.9 24.6 37.0#

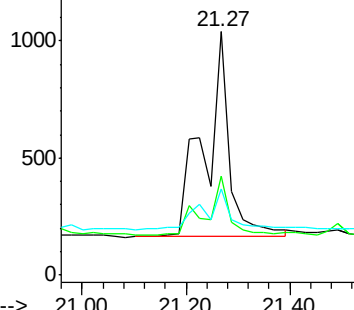
229 35.5 15.2 22.8#



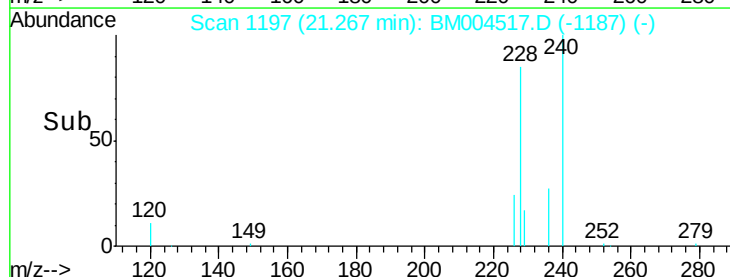
Abundance Ion 228.00 (227.70 to 228.70): E

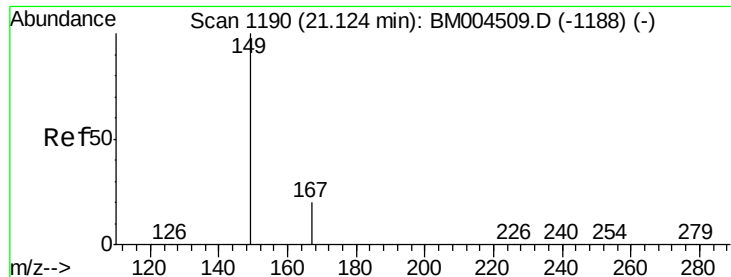
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 21.12 min Scan# 1190

Delta R.T. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

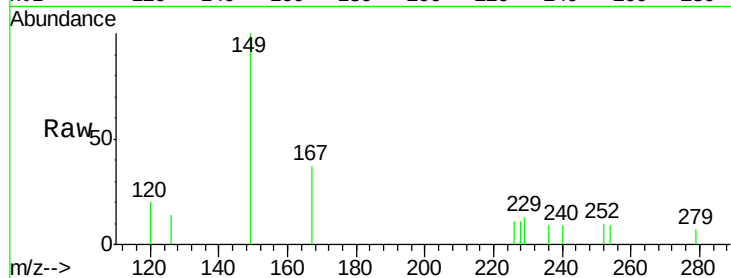
Tot Ion:149 Resp: 1317

Ion Ratio Lower Upper

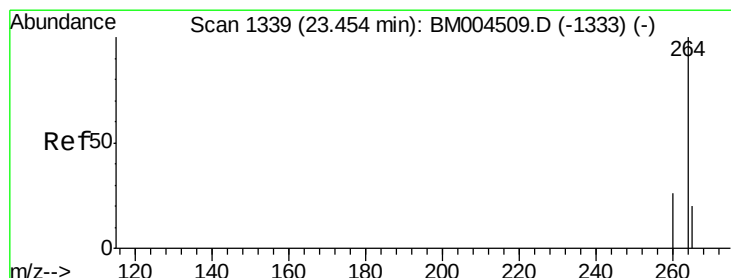
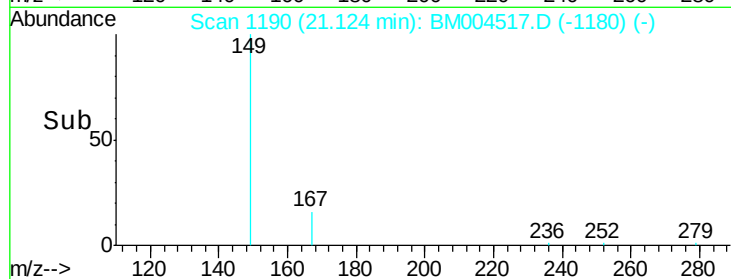
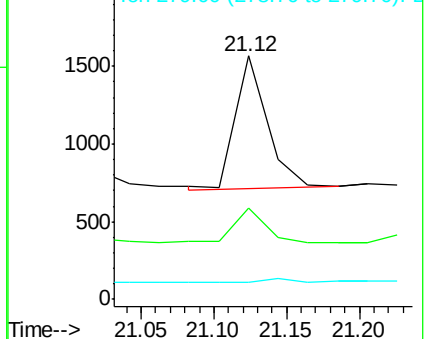
149 100

167 26.4 20.2 30.4

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. -0.00 min

Lab File: BM004517.D

Acq: 02 Mar 2016 13:19

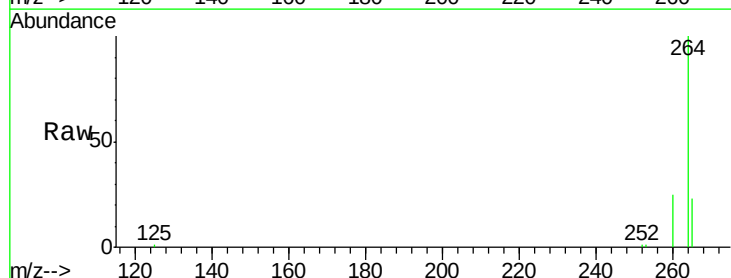
Tgt Ion:264 Resp: 66487

Ion Ratio Lower Upper

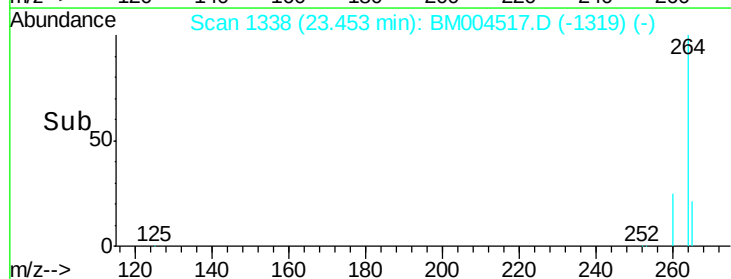
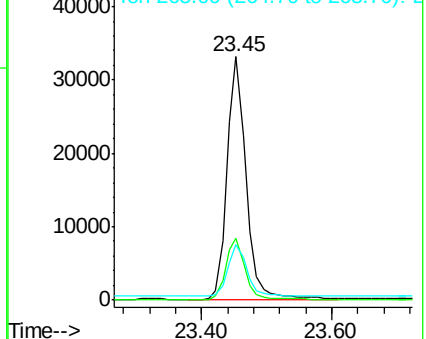
264 100

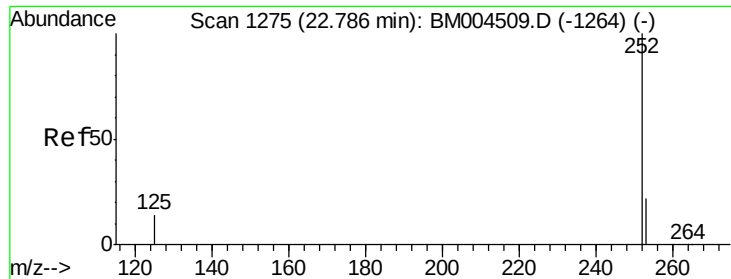
260 25.3 21.2 31.8

265 22.7 17.4 26.0



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: Below Cal

RT: 22.80 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BM004517.D

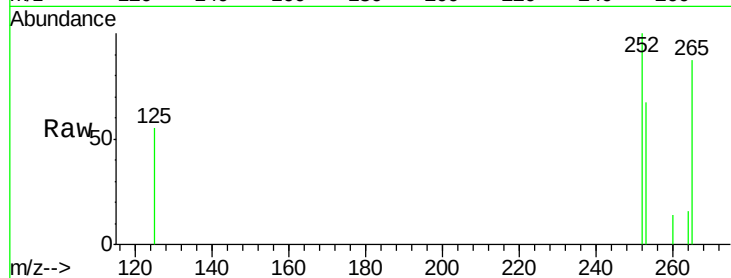
Acq: 02 Mar 2016 13:19

Instrument :

BNA_M

ClientSampleId :

MW-1-FD



Tot Ion: 252 Resp: 1002

Ion Ratio Lower Upper

252 100

253 67.4 19.0 28.4#

125 55.2 11.7 17.5#

