

Data Path : Z:\HPCHEM1\BNA M\Data\BM030116\
 Data File : BM004520.D
 Acq On : 02 Mar 2016 15:08
 Operator : SJ/UM
 Sample : H1509-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-3

Quant Time: Mar 02 16:06:21 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	19139	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	75287	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	53909	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	90940	5.00	ng	0.00
26) Chrysene-d12	21.23	240	73356	5.00	ng	0.00
35) Perylene-d12	23.45	264	63517	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	7900	1.97	ng	-0.02
5) Phenol-d6	6.81	99	6934	1.41	ng	-0.02
8) Nitrobenzene-d5	8.77	82	12438	3.15	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	13767	6.97	ng	-0.03
15) 2-Fluorobiphenyl	12.88	172	47541	2.84	ng	0.00
29) Terphenyl-d14	19.66	244	46631	4.27	ng	-0.01

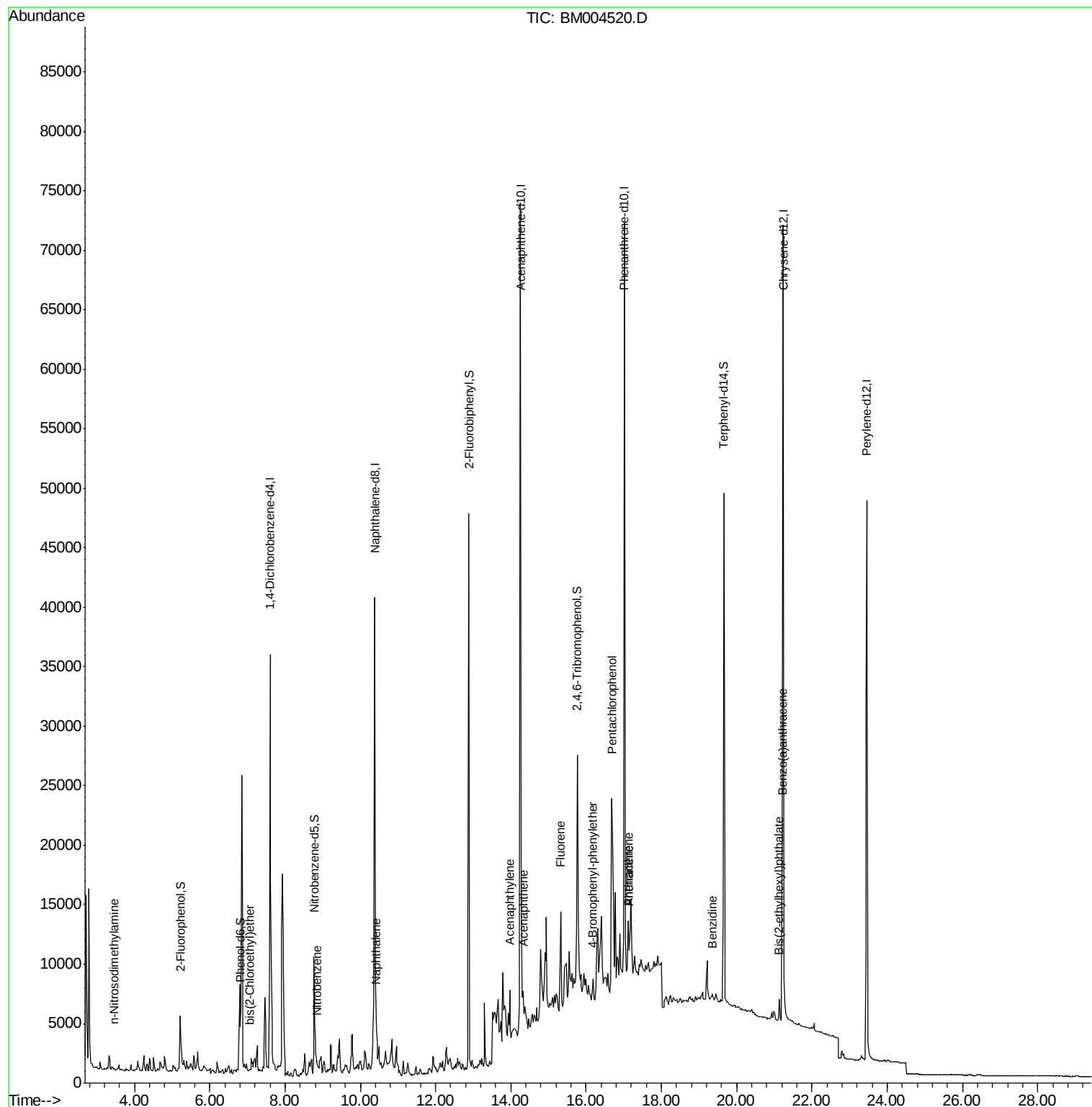
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.46	42	170	0.13	ng	# 1
6) bis(2-Chloroethyl)ether	7.07	93	88	0.11	ng	# 26
9) Nitrobenzene	8.86	77	484	0.28	ng	# 65
10) Naphthalene	10.42	128	1615	0.09	ng	# 8
16) Acenaphthylene	13.97	152	690	0.13	ng	# 1
17) Acenaphthene	14.32	154	3714	0.22	ng	# 77
18) Fluorene	15.32	166	6049	0.31	ng	# 92
20) 4-Bromophenyl-phenylether	16.16	248	57	0.15	ng	# 1
21) Hexachlorobenzene	16.34	284	15	Below Cal	#	100
22) Pentachlorophenol	16.68	266	20045	16.56	ng	# 80
23) Phenanthrene	17.14	178	3066	0.05	ng	# 66
24) Anthracene	17.14	178	3104	0.32	ng	# 52
25) Fluoranthene	19.09	202	804	Below Cal	#	80
27) Benzidine	19.35	184	351	0.39	ng	# 1
30) Benzo(a)anthracene	21.21	228	2328	0.14	ng	# 49
32) Chrysene	21.21	228	2384	Below Cal	#	46
33) Bis(2-ethylhexyl)phthalate	21.13	149	2074	0.24	ng	# 90
36) Benzo(b)fluoranthene	22.79	252	888	Below Cal	#	1
37) Benzo(k)fluoranthene	22.84	252	683	Below Cal	#	1

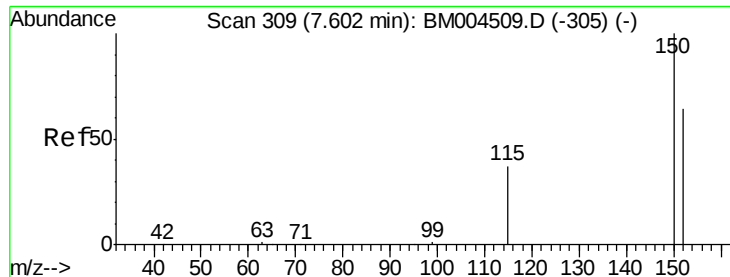
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.60 min Scan# 309

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

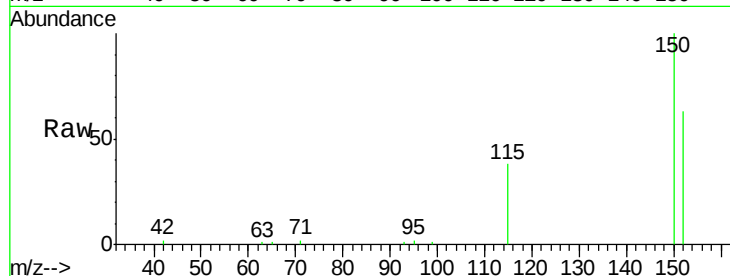
Tot Ion:152 Resp: 19139

Ion Ratio Lower Upper

152 100

150 159.2 134.2 201.2

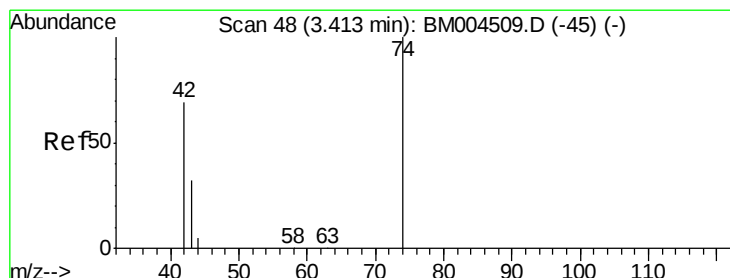
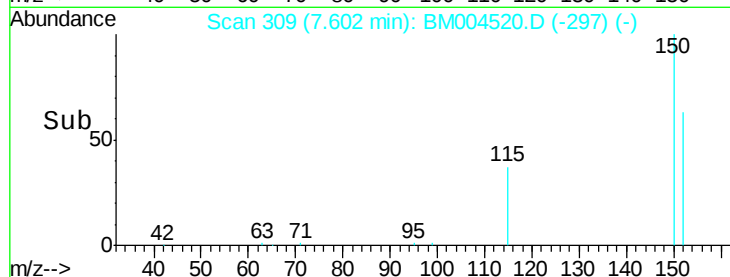
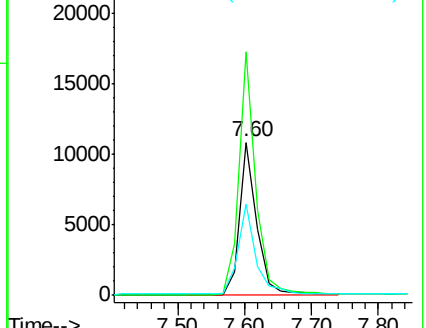
115 59.9 52.2 78.4



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: 0.13 ng

RT: 3.46 min Scan# 51

Delta R.T. 0.03 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

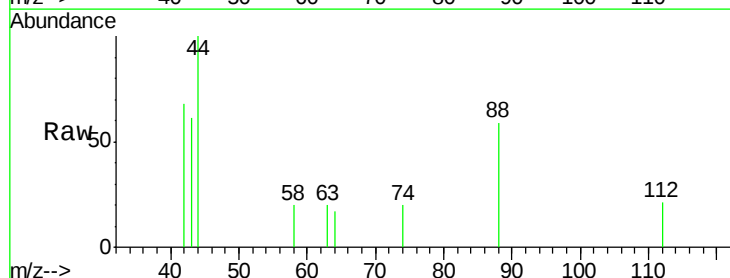
Tgt Ion: 42 Resp: 170

Ion Ratio Lower Upper

42 100

74 8.2 115.5 173.3#

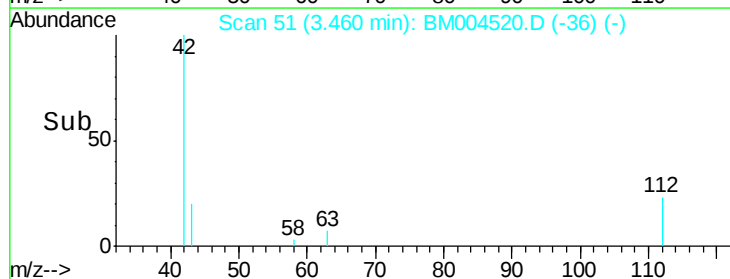
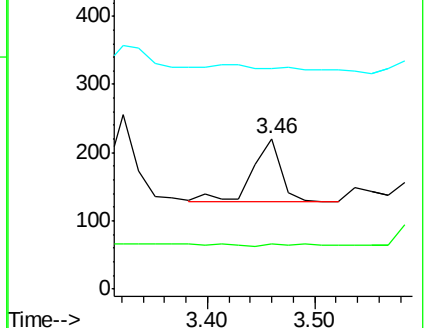
44 0.0 6.2 9.4#

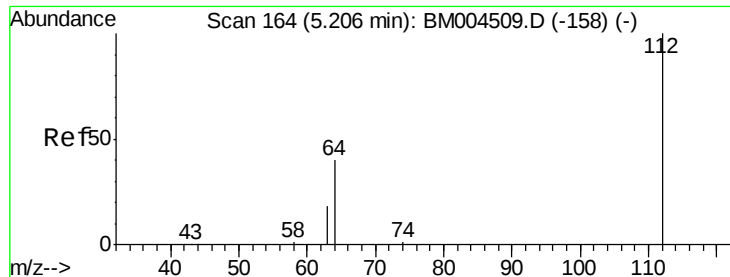


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 1.97 ng

RT: 5.22 min Scan# 165

Delta R.T. -0.02 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

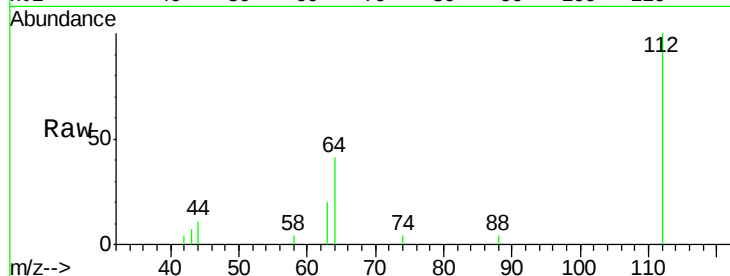
Tot Ion:112 Resp: 7900

Ion Ratio Lower Upper

112 100

64 48.2 37.0 55.6

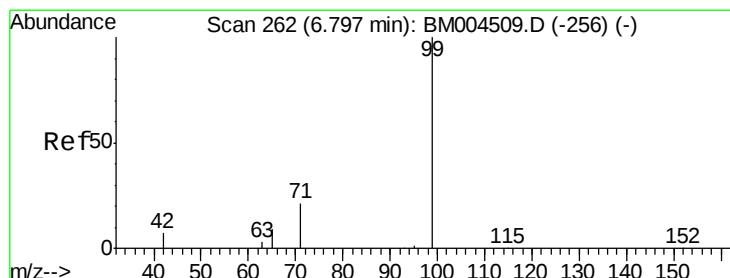
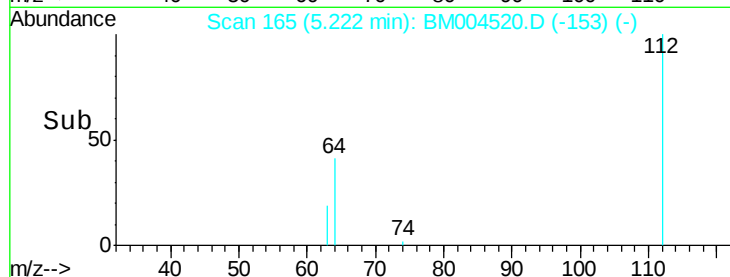
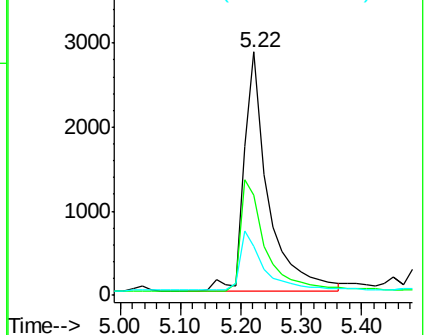
63 24.4 19.0 28.4



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: 1.41 ng

RT: 6.81 min Scan# 263

Delta R.T. -0.02 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

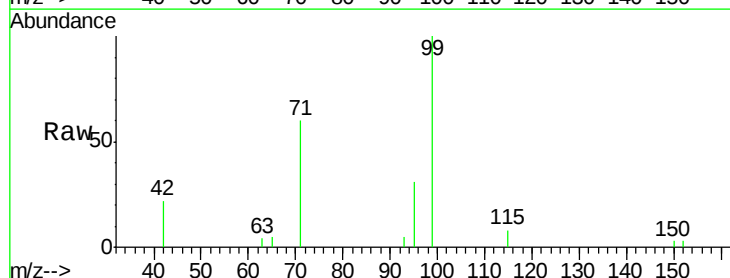
Tgt Ion: 99 Resp: 6934

Ion Ratio Lower Upper

99 100

42 0.0 12.2 18.4#

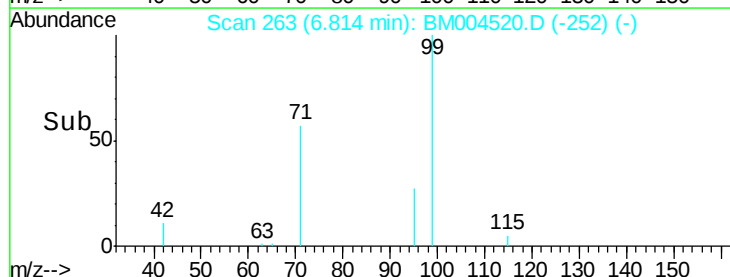
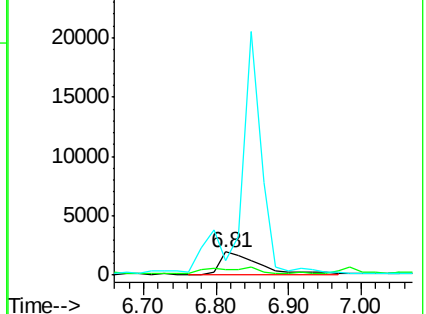
71 0.0 23.4 35.2#

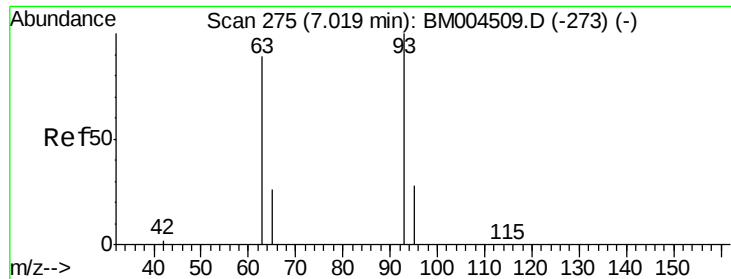


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.11 ng

RT: 7.07 min Scan# 278

Delta R.T. 0.03 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

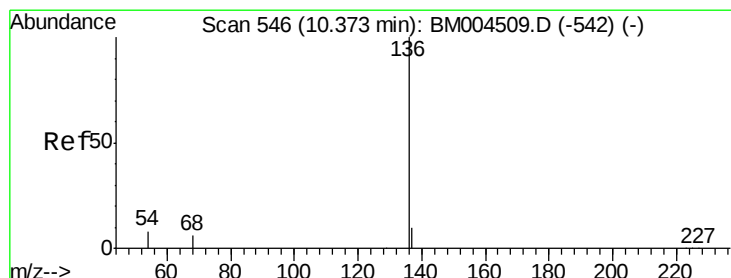
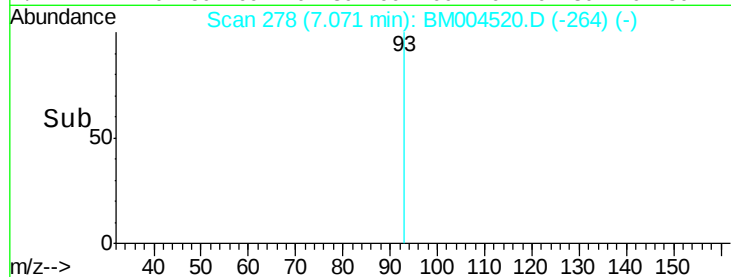
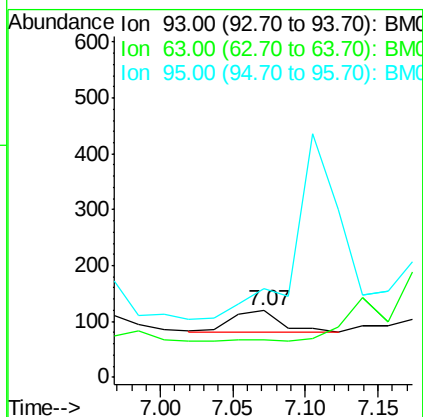
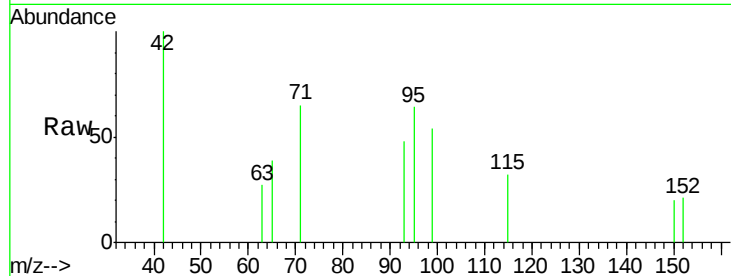
Tot Ion: 93 Resp: 88

Ion Ratio Lower Upper

93 100

63 0.0 51.1 76.7#

95 0.0 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: BM004520.D

Acq: 02 Mar 2016 15:08

Tgt Ion: 136 Resp: 75287

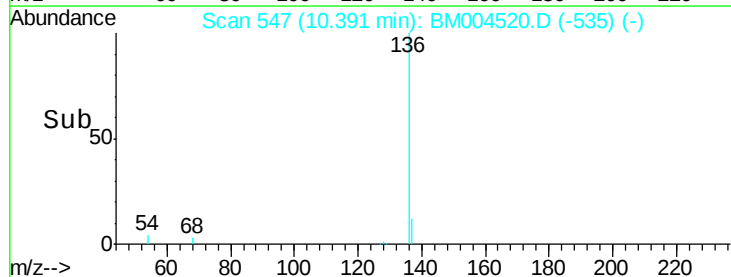
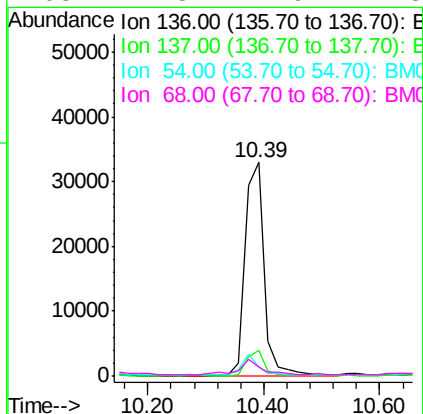
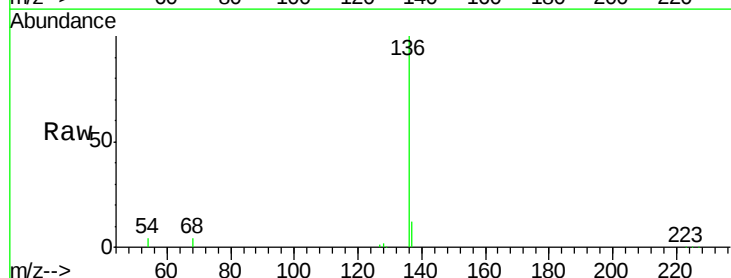
Ion Ratio Lower Upper

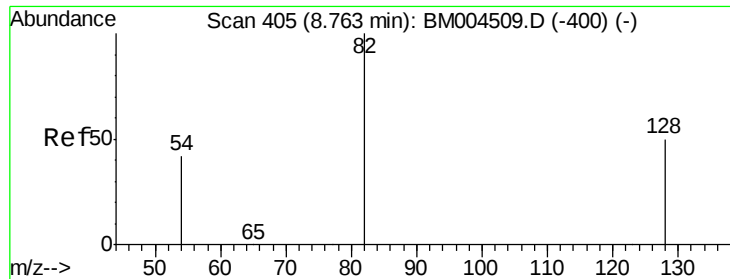
136 100

137 11.8 9.0 13.6

54 4.4 3.3 4.9

68 4.3 2.9 4.3#





#8

Nitrobenzene-d5

Concen: 3.15 ng

RT: 8.77 min Scan# 406

Delta R.T. -0.02 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampled :

MW-3

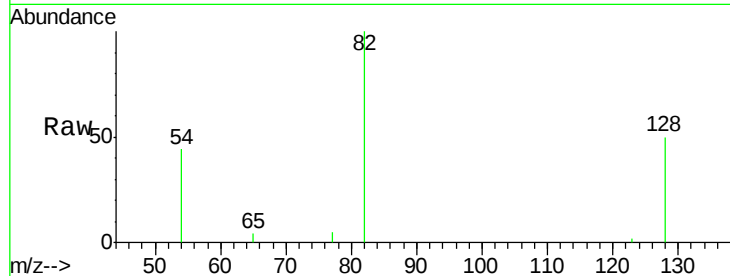
Tot Ion: 82 Resp: 12438

Ion Ratio Lower Upper

82 100

128 50.3 41.9 62.9

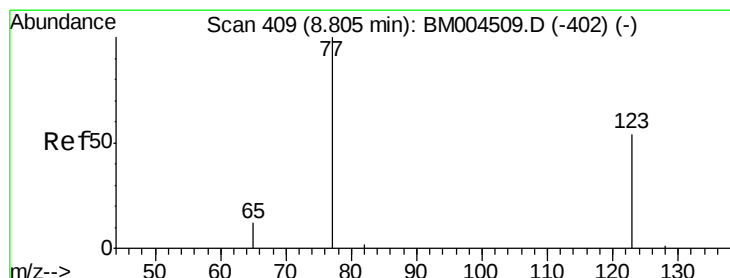
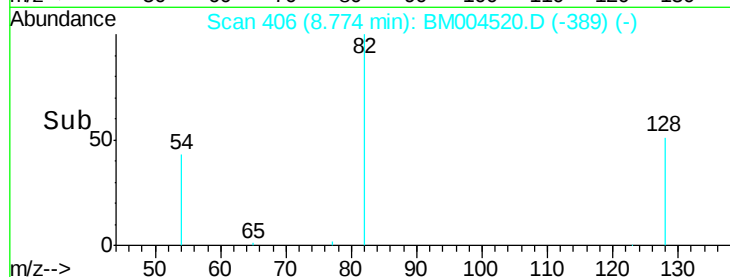
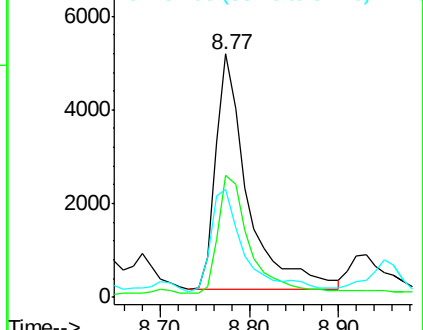
54 44.5 34.2 51.2



Abundance Ion 82.00 (81.70 to 82.70): BM004509.D (-400) (-)

Ion 128.00 (127.70 to 128.70): BM004509.D (-400) (-)

Ion 54.00 (53.70 to 54.70): BM004509.D (-400) (-)



#9

Nitrobenzene

Concen: 0.28 ng

RT: 8.86 min Scan# 414

Delta R.T. 0.02 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

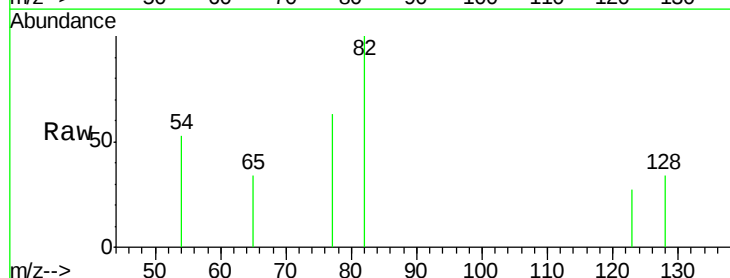
Tgt Ion: 77 Resp: 484

Ion Ratio Lower Upper

77 100

123 57.0 42.5 63.7

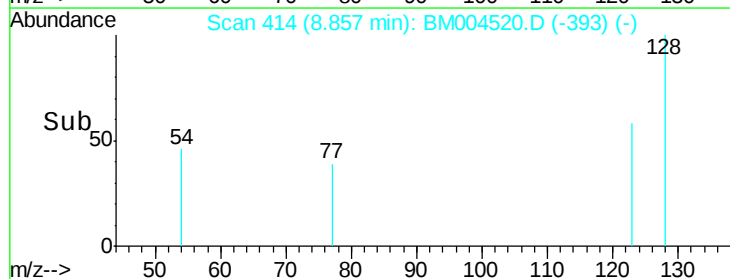
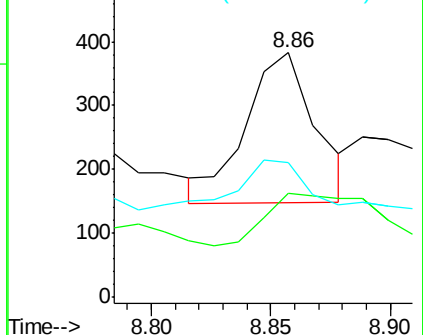
65 74.6 10.0 15.0#

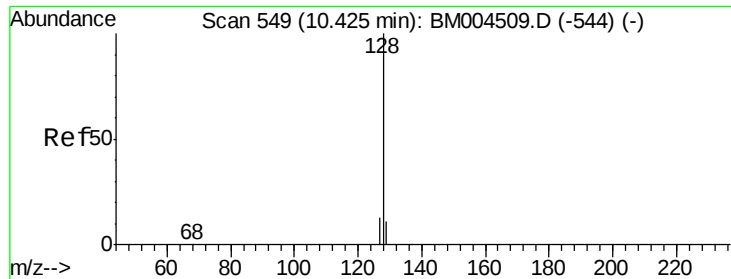


Abundance Ion 77.00 (76.70 to 77.70): BM004509.D (-402) (-)

Ion 123.00 (122.70 to 123.70): BM004509.D (-402) (-)

Ion 65.00 (64.70 to 65.70): BM004509.D (-402) (-)

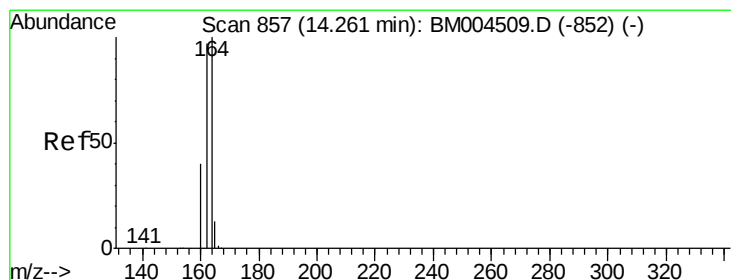
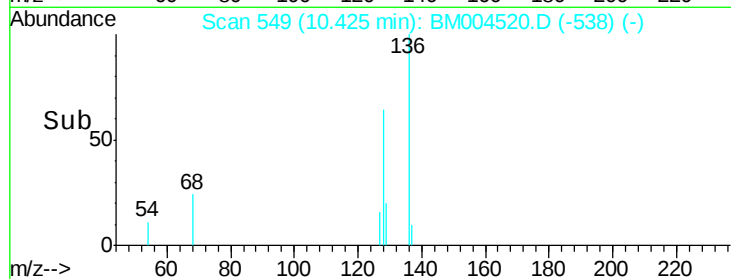
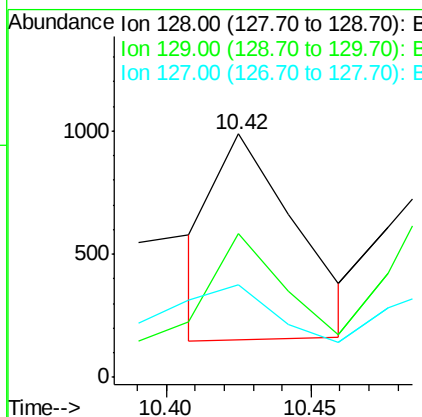
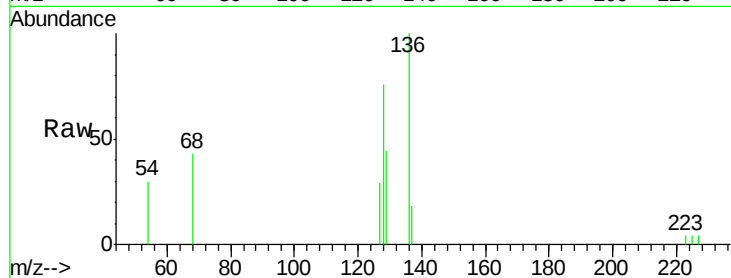




#10
Naphthalene
Concen: 0.09 ng
RT: 10.42 min Scan# 549
Delta R.T. -0.02 min
Lab File: BM004520.D
Acq: 02 Mar 2016 15:08

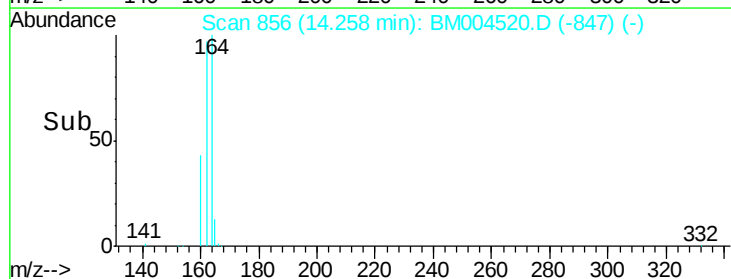
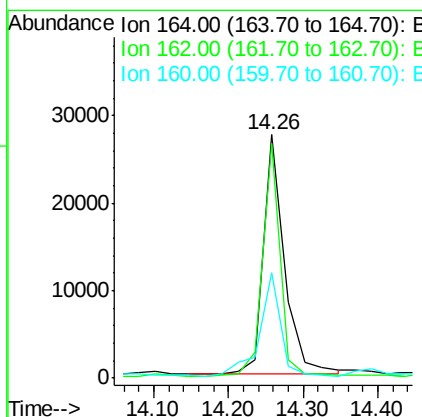
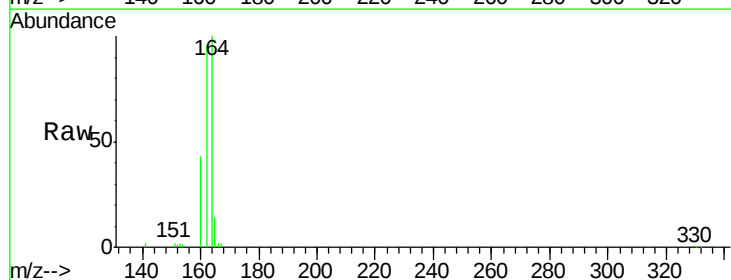
Instrument :
BNA_M
ClientSampled :
MW-3

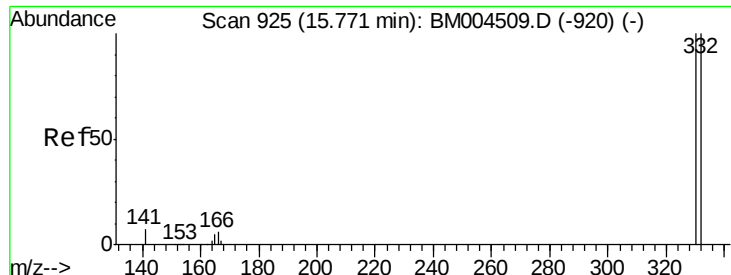
Tot Ion:128 Resp: 1615
Ion Ratio Lower Upper
128 100
129 58.8 9.8 14.6#
127 38.2 9.9 14.9#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 856
Delta R.T. -0.00 min
Lab File: BM004520.D
Acq: 02 Mar 2016 15:08

Tgt Ion:164 Resp: 53909
Ion Ratio Lower Upper
164 100
162 96.3 81.6 122.4
160 43.4 34.9 52.3

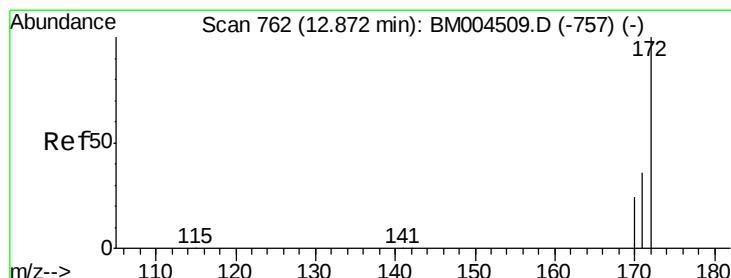
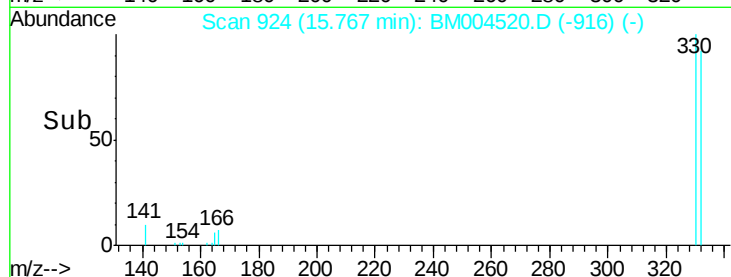
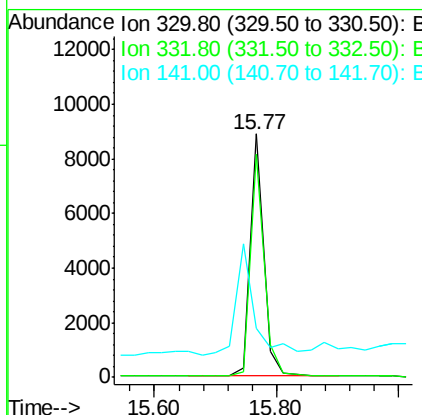
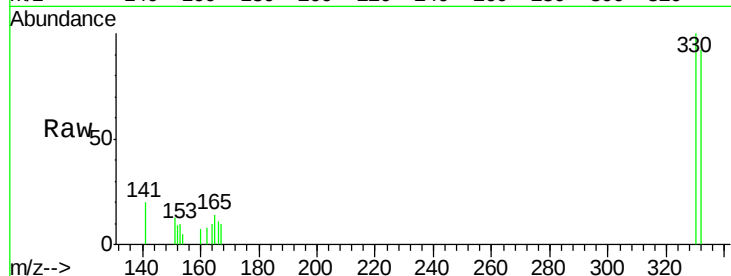




#14
 2,4,6-Tribromophenol
 Concen: 6.97 ng
 RT: 15.77 min Scan# 924
 Delta R.T. -0.03 min
 Lab File: BM004520.D
 Acq: 02 Mar 2016 15:08

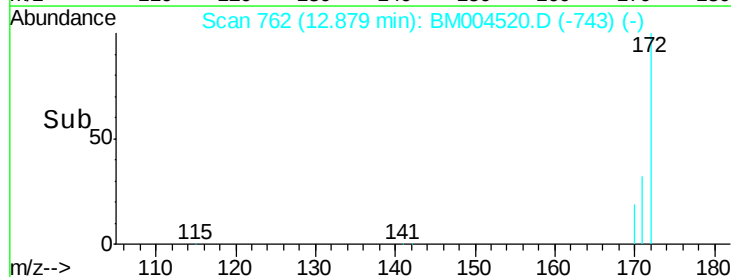
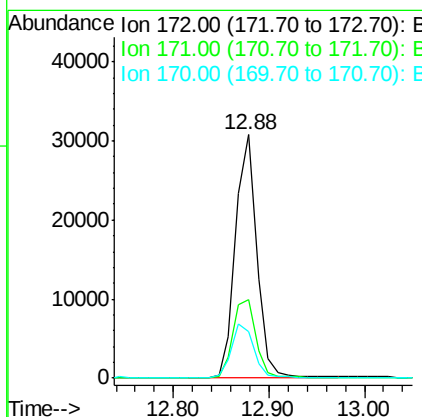
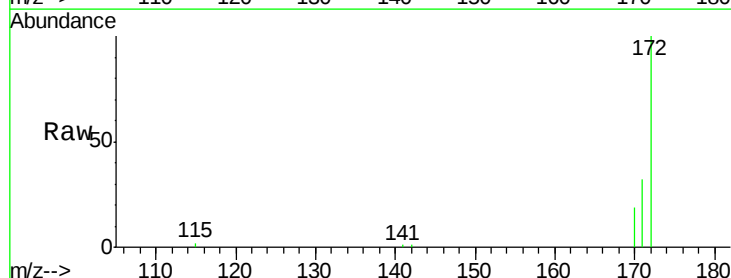
Instrument :
 BNA_M
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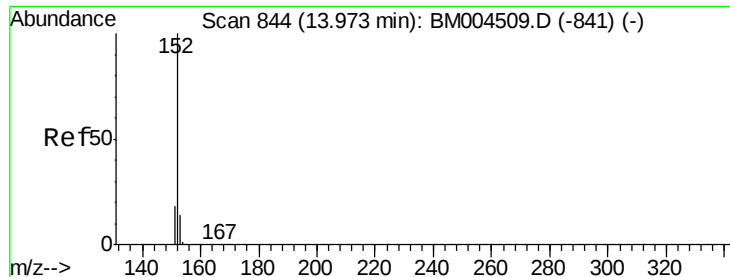
Tot Ion:330 Resp: 13767
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.6 114.8
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 2.84 ng
 RT: 12.88 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BM004520.D
 Acq: 02 Mar 2016 15:08

Tgt Ion:172 Resp: 47541
 Ion Ratio Lower Upper
 172 100
 171 32.4 29.5 44.3
 170 19.3 20.2 30.2#





#16

Acenaphthylene

Concen: 0.13 ng

RT: 13.97 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

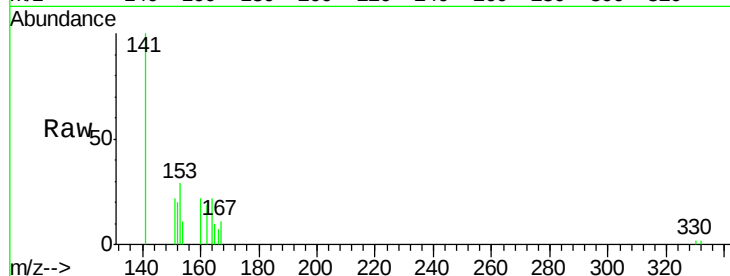
Tot Ion:152 Resp: 690

Ion Ratio Lower Upper

152 100

151 72.8 15.8 23.6#

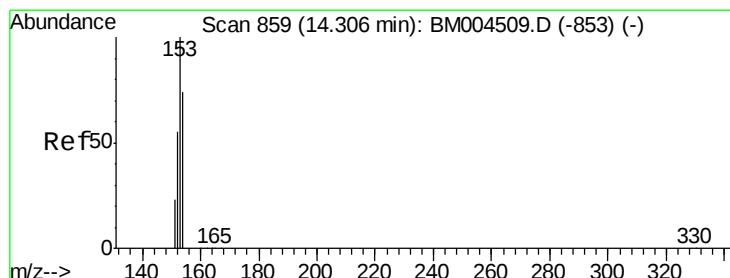
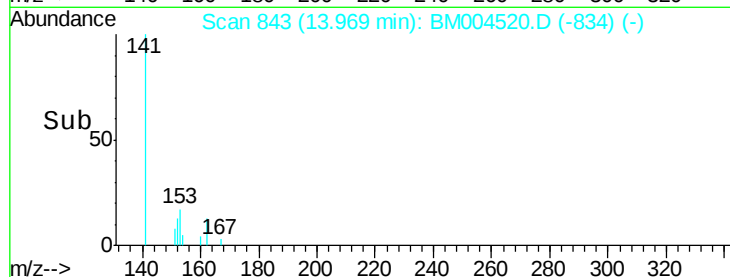
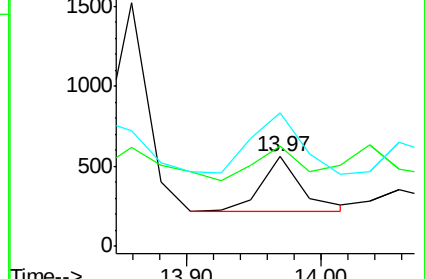
153 142.5 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.22 ng

RT: 14.32 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

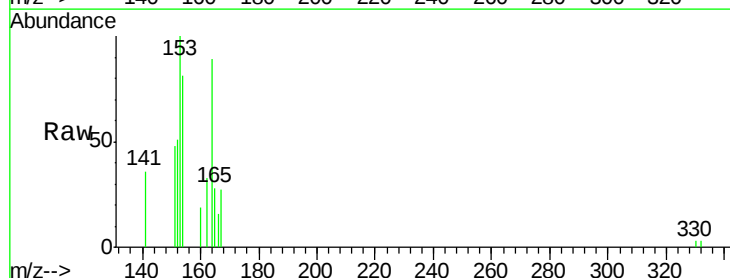
Tgt Ion:154 Resp: 3714

Ion Ratio Lower Upper

154 100

153 76.7 88.7 133.1#

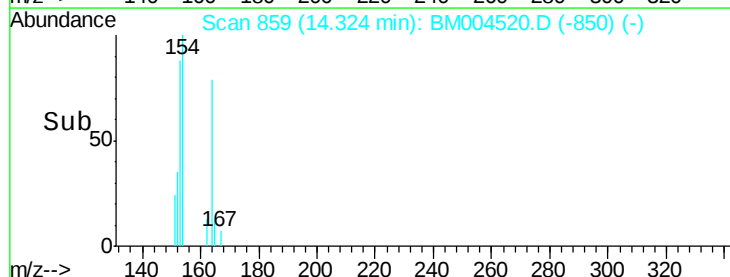
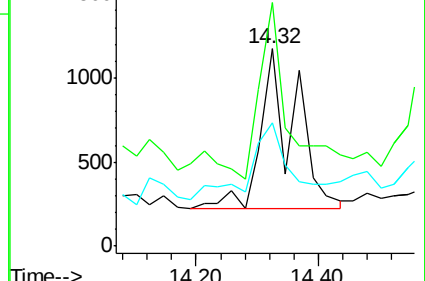
152 54.3 41.8 62.8

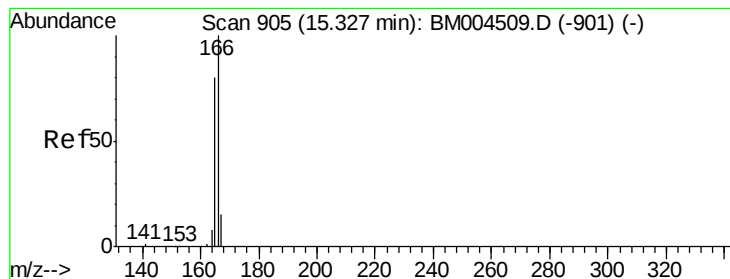


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.31 ng

RT: 15.32 min Scan# 904

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

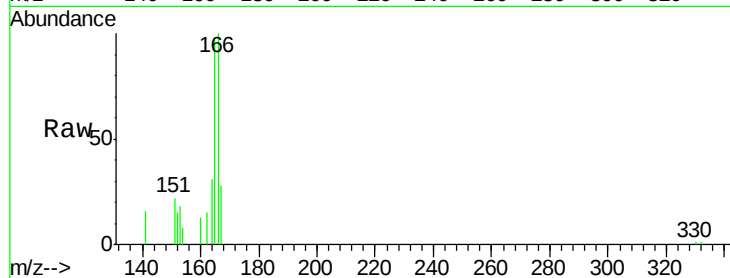
Tot Ion:166 Resp: 6049

Ion Ratio Lower Upper

166 100

165 102.6 77.8 116.6

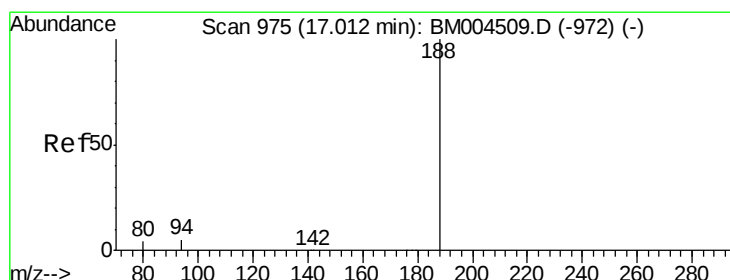
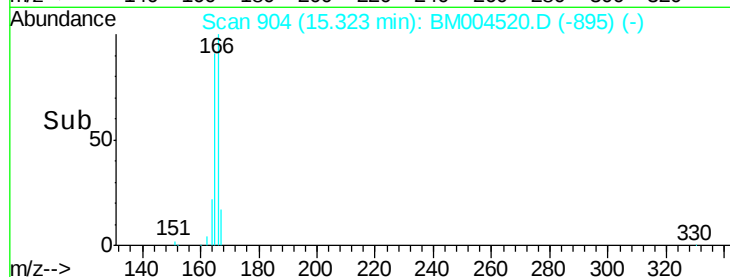
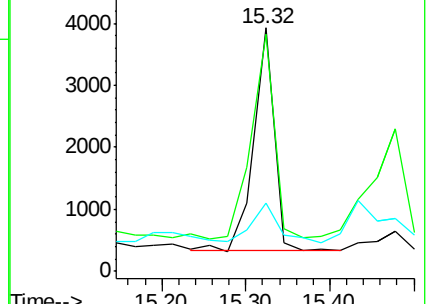
167 23.2 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 974

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

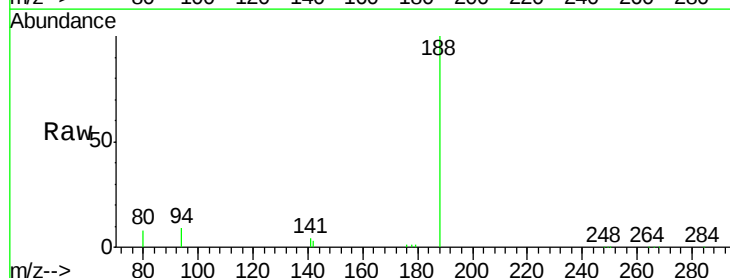
Tgt Ion:188 Resp: 90940

Ion Ratio Lower Upper

188 100

94 9.5 6.3 9.5

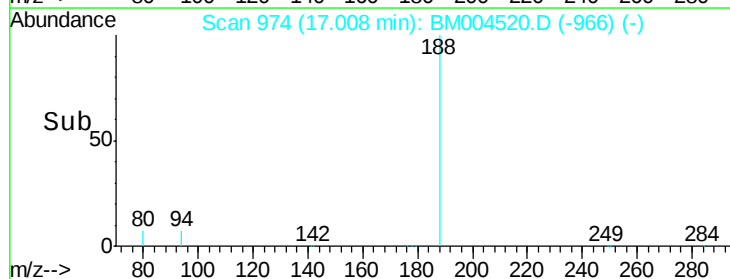
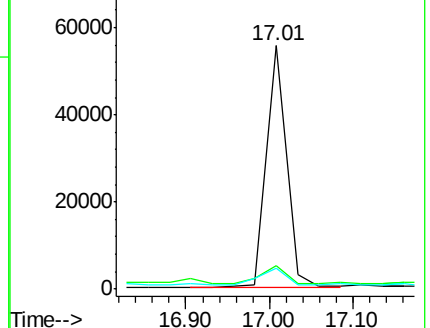
80 8.3 5.9 8.9

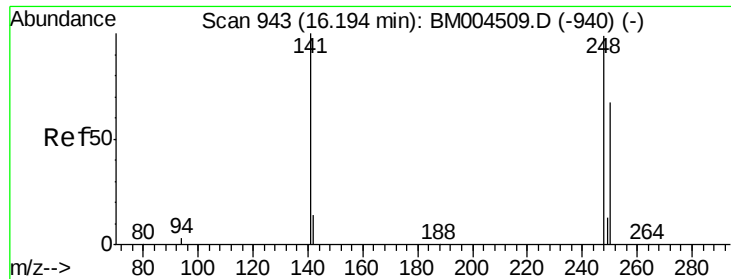


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#20

4-Bromophenyl-phenylether

Concen: 0.15 ng

RT: 16.16 min Scan# 941

Delta R.T. -0.05 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

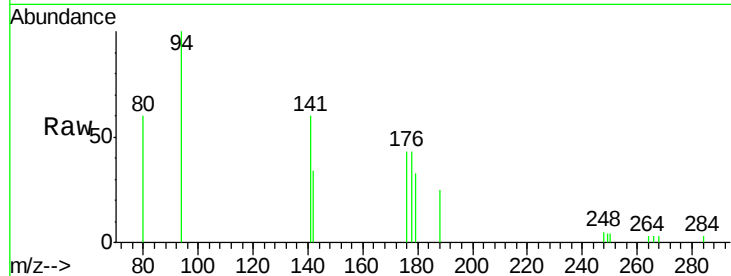
Tot Ion:248 Resp: 57

Ion Ratio Lower Upper

248 100

250 0.0 85.8 128.8#

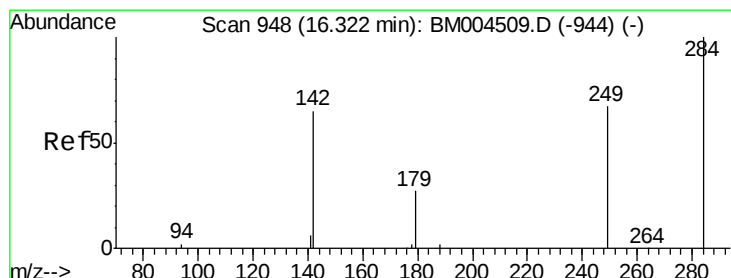
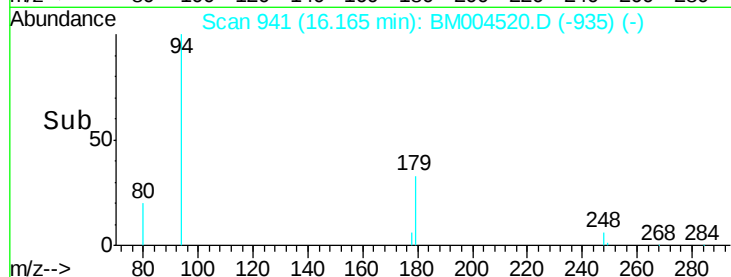
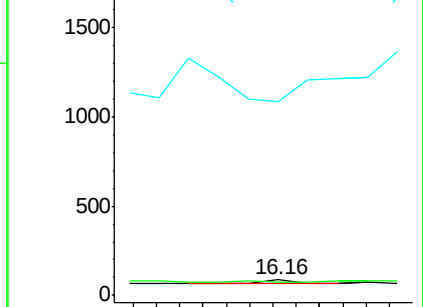
141 0.0 0.0 0.0



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.34 min Scan# 948

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

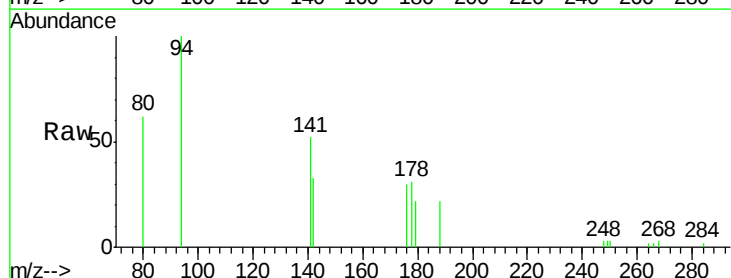
Tgt Ion:284 Resp: 15

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

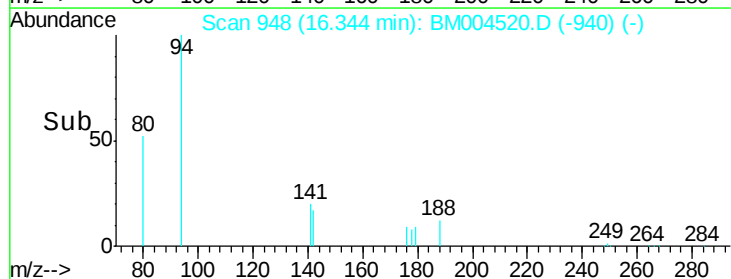
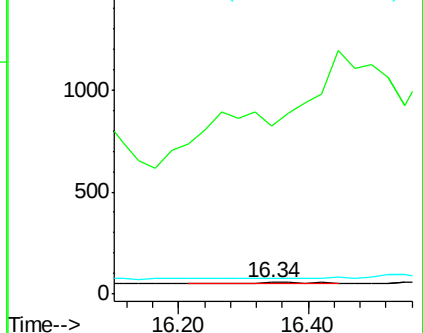
249 0.0 0.0 0.0

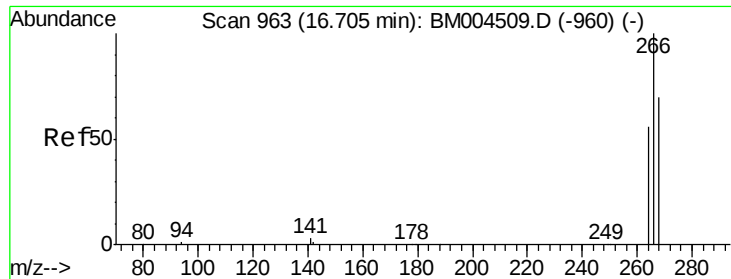


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 16.56 ng

RT: 16.68 min Scan# 961

Delta R.T. -0.05 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

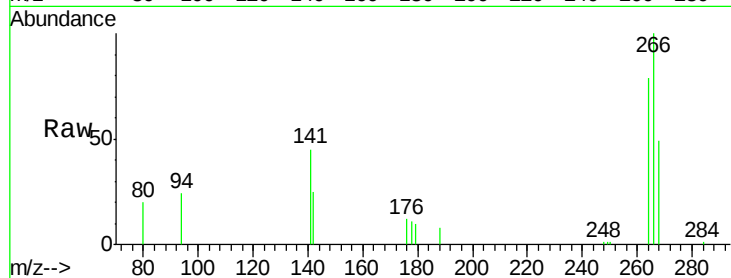
Tot Ion:266 Resp: 20045

Ion Ratio Lower Upper

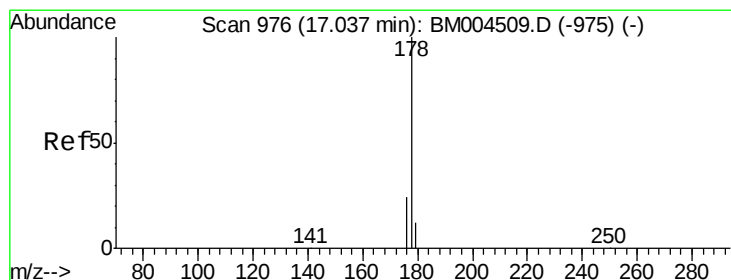
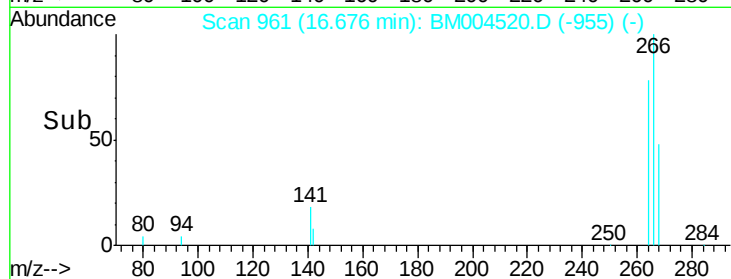
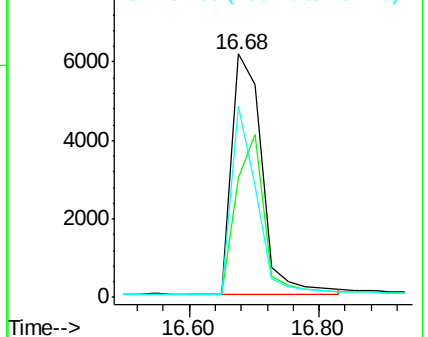
266 100

268 48.9 63.0 94.6#

264 78.7 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: 0.05 ng

RT: 17.14 min Scan# 979

Delta R.T. 0.07 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

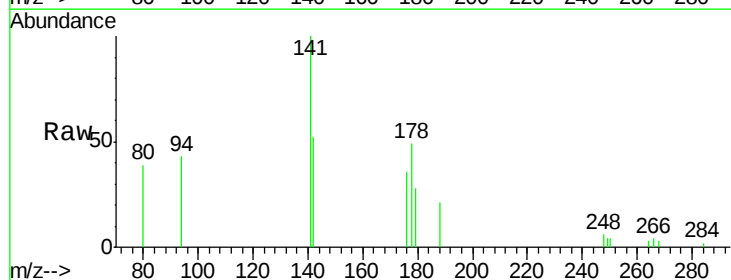
Tgt Ion:178 Resp: 3066

Ion Ratio Lower Upper

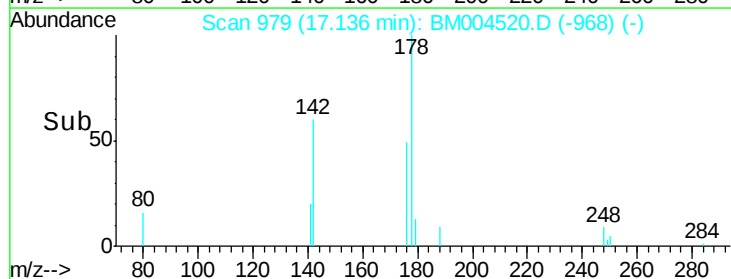
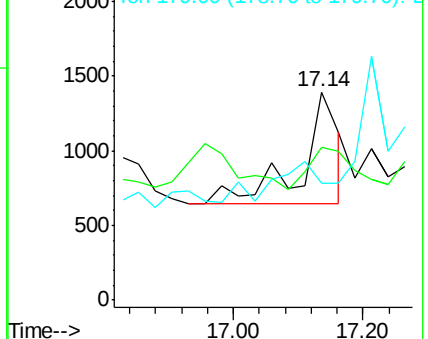
178 100

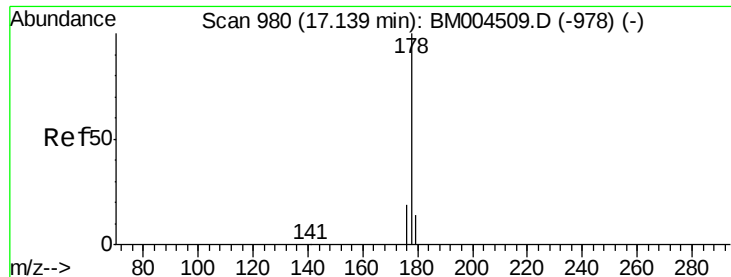
176 32.7 15.0 22.4#

179 0.0 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

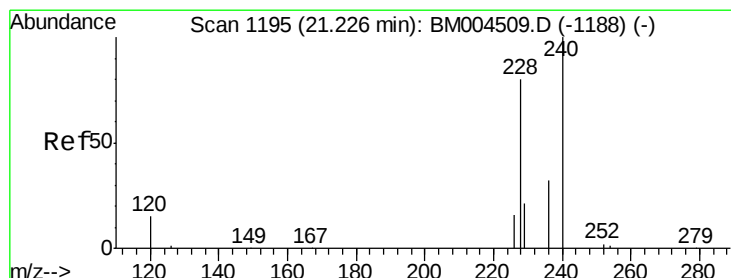
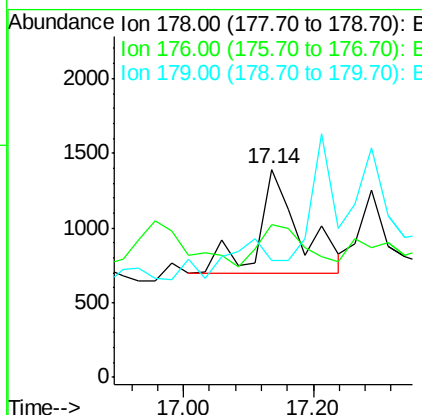
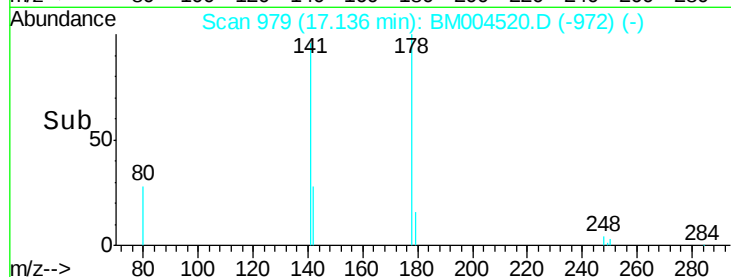
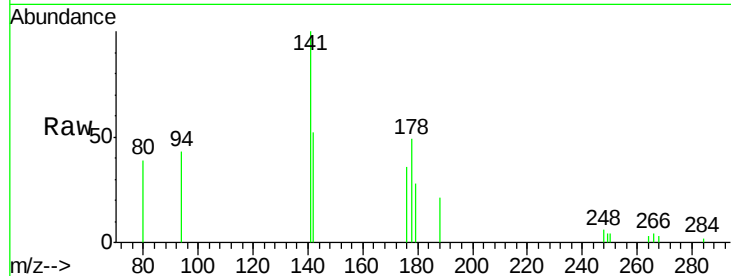




#24
 Anthracene
 Concen: 0.32 ng
 RT: 17.14 min Scan# 979
 Delta R.T. -0.03 min
 Lab File: BM004520.D
 Acq: 02 Mar 2016 15:08

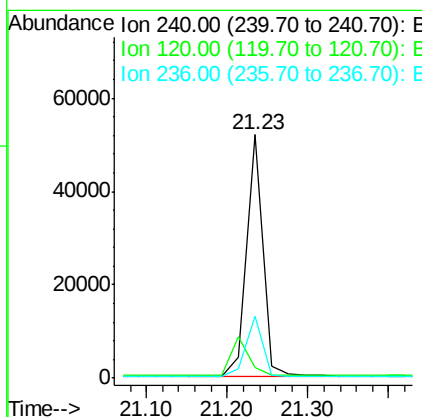
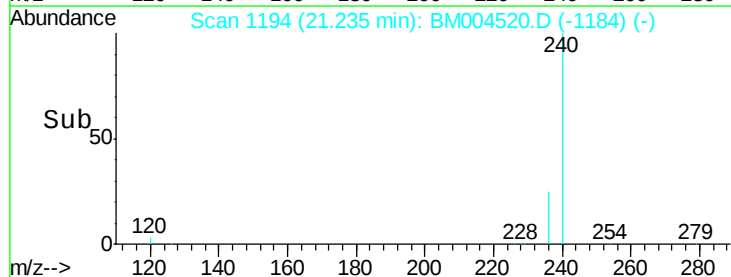
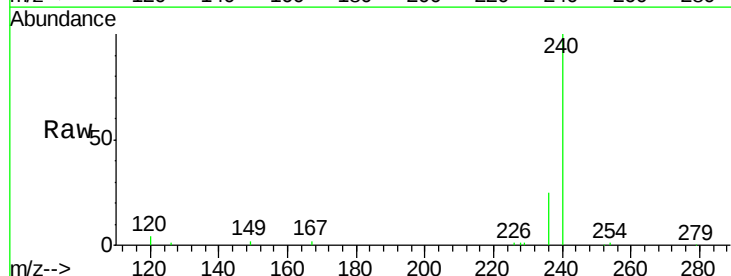
Instrument :
 BNA_M
 ClientSampleId :
 MW-3

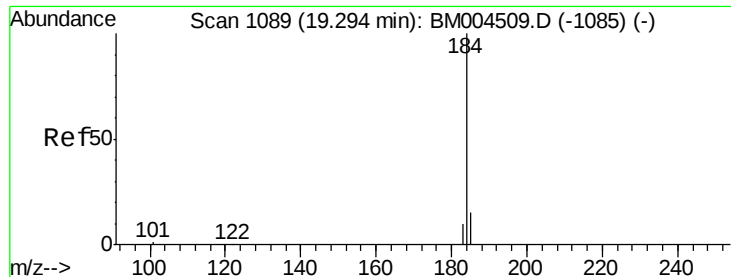
Tot Ion:178 Resp: 3104
 Ion Ratio Lower Upper
 178 100
 176 44.1 14.7 22.1#
 179 0.0 12.2 18.4#



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.23 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: BM004520.D
 Acq: 02 Mar 2016 15:08

Tgt Ion:240 Resp: 73356
 Ion Ratio Lower Upper
 240 100
 120 4.3 18.9 28.3#
 236 25.3 26.4 39.6#





#27

Benzidine

Concen: 0.39 ng

RT: 19.35 min Scan# 1091

Delta R.T. 0.02 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampled :

MW-3

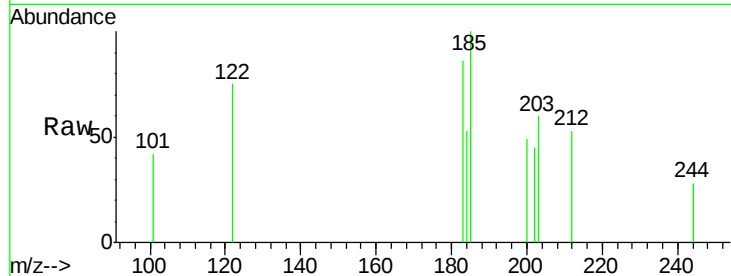
Tot Ion:184 Resp: 351

Ion Ratio Lower Upper

184 100

185 187.0 15.0 22.4#

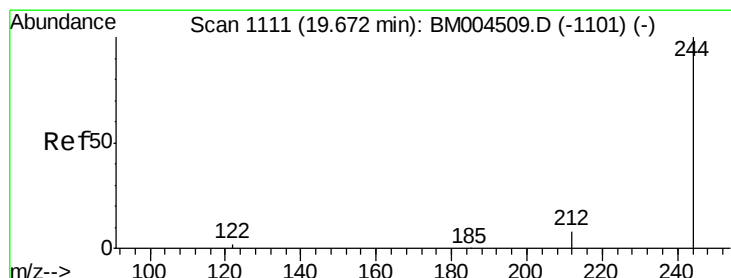
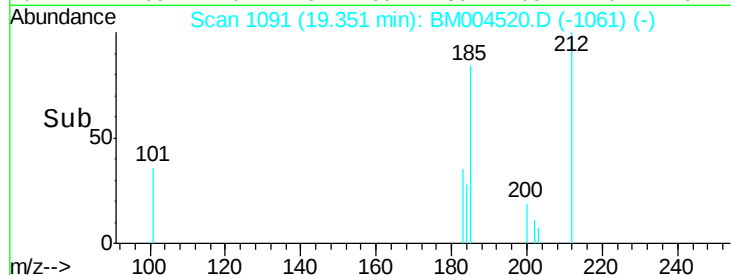
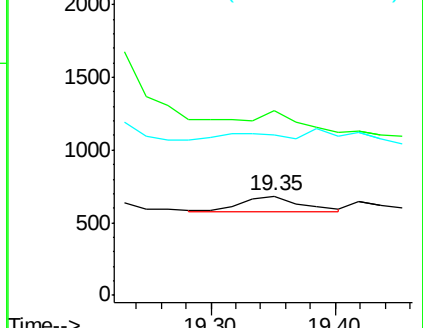
183 161.3 12.6 19.0#



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: 4.27 ng

RT: 19.66 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

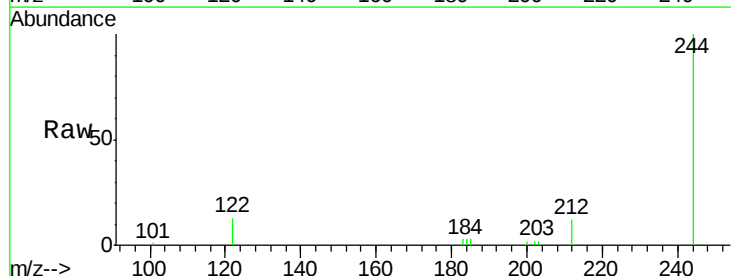
Tgt Ion:244 Resp: 46631

Ion Ratio Lower Upper

244 100

212 11.6 7.8 11.6

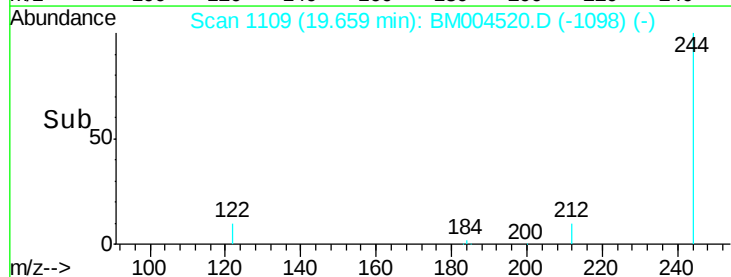
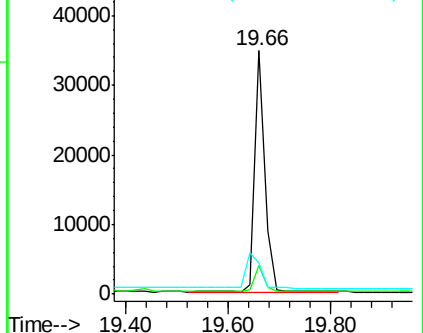
122 12.7 7.0 10.4#

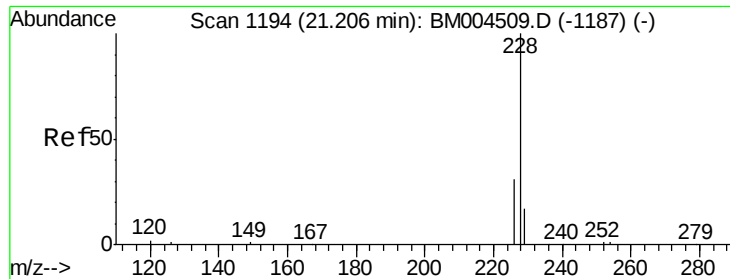


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.14 ng

RT: 21.21 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

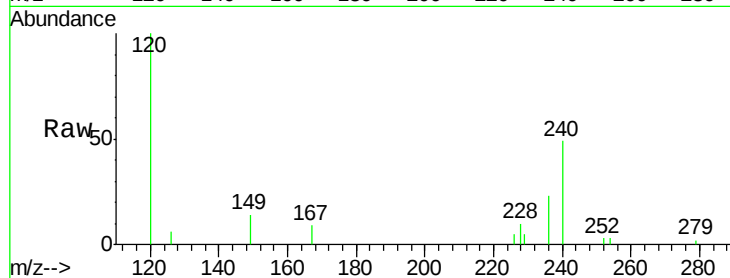
Tot Ion:228 Resp: 2328

Ion Ratio Lower Upper

228 100

226 53.3 27.0 40.4#

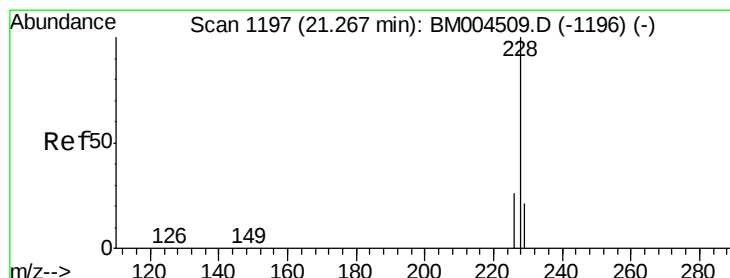
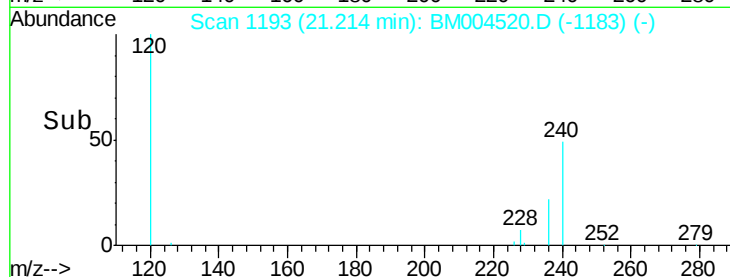
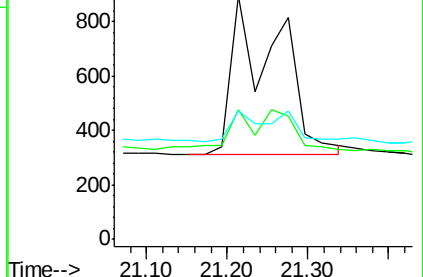
229 52.8 13.1 19.7#



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



#32

Chrysene

Concen: Below Cal

RT: 21.21 min Scan# 1193

Delta R.T. -0.05 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

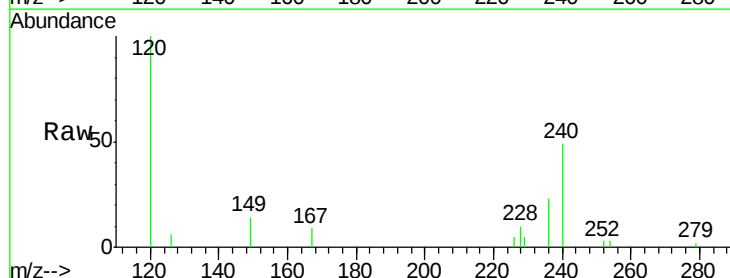
Tgt Ion:228 Resp: 2384

Ion Ratio Lower Upper

228 100

226 53.3 24.6 37.0#

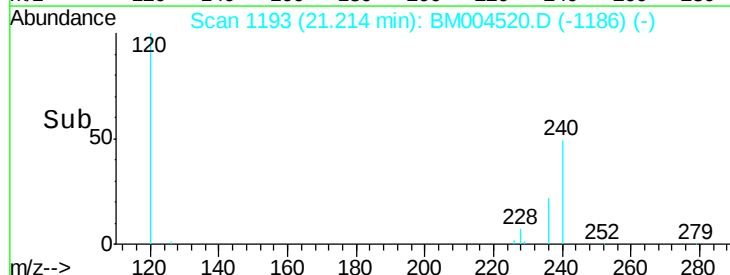
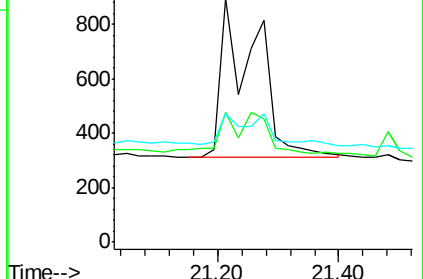
229 52.8 15.2 22.8#

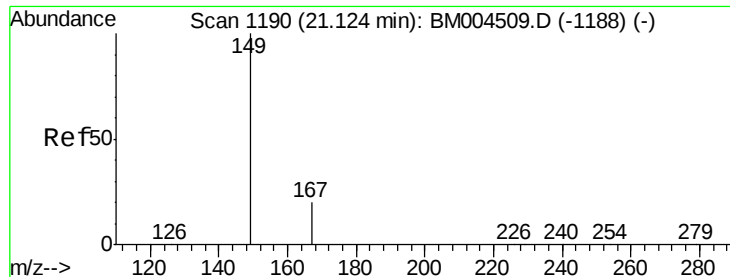


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.24 ng

RT: 21.13 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

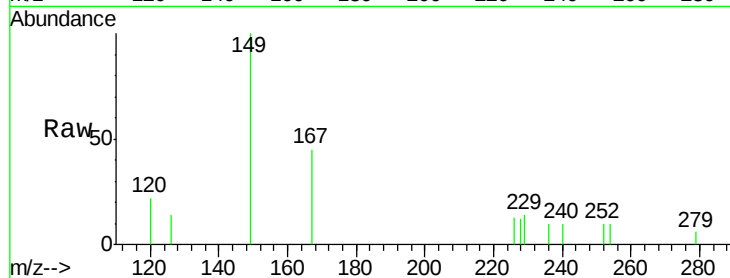
Tot Ion:149 Resp: 2074

Ion Ratio Lower Upper

149 100

167 30.4 20.2 30.4#

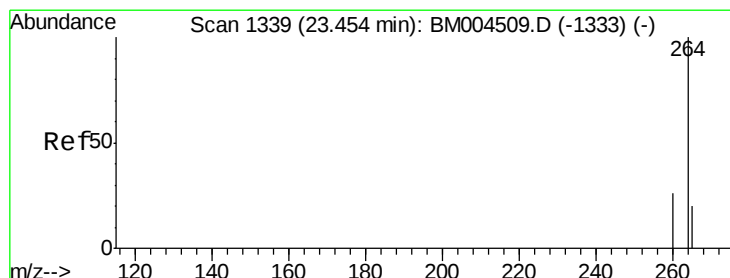
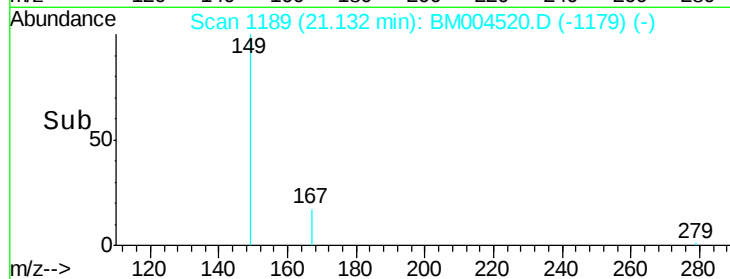
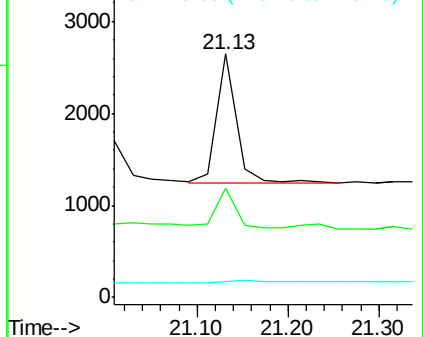
279 0.0 0.0 0.0



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# 1337

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

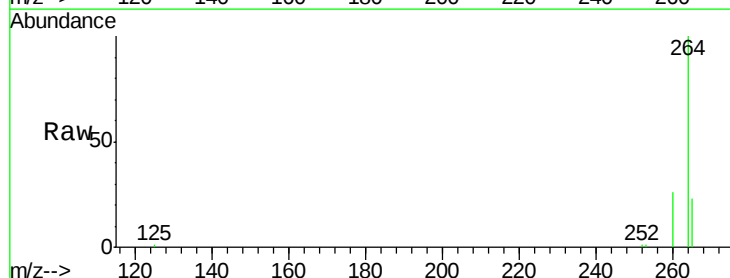
Tgt Ion:264 Resp: 63517

Ion Ratio Lower Upper

264 100

260 26.0 21.2 31.8

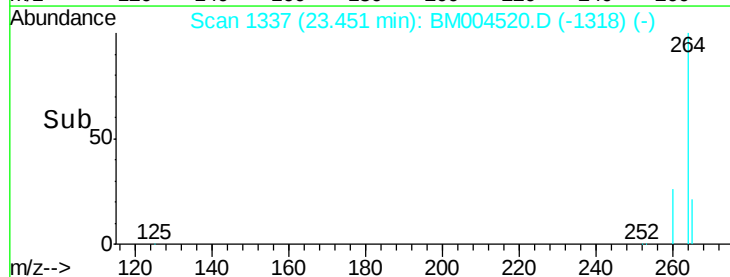
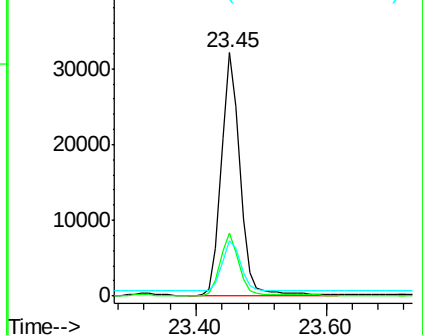
265 22.8 17.4 26.0

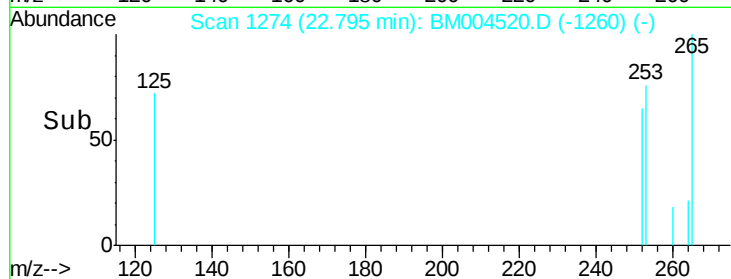
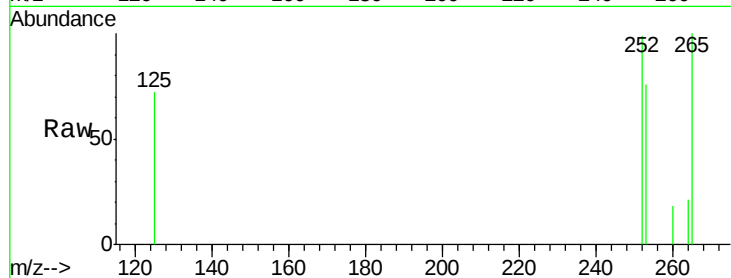
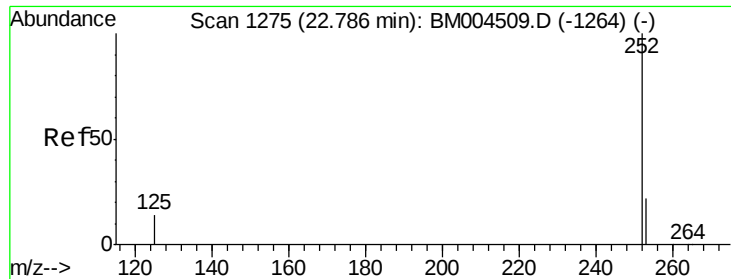


Abundance Ion 264.00 (263.70 to 264.70): E

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: 22.79 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BM004520.D

Acq: 02 Mar 2016 15:08

Instrument :

BNA_M

ClientSampleId :

MW-3

Tot Ion: 252 Resp: 888

Ion Ratio Lower Upper

252 100

253 76.4 19.0 28.4#

125 72.6 11.7 17.5#

