

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012716\
 Data File : BM004131.D
 Acq On : 27 Jan 2016 13:14
 Operator : SJ/IZ
 Sample : PB87989BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB87989BL

Quant Time: Jan 27 23:58:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM012216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 14:46:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	21870	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	91748	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	54822	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	172529	5.00	ng	0.00
26) Chrysene-d12	21.29	240	143898	5.00	ng	0.02
35) Perylene-d12	23.52	264	145118	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	32801	7.19	ng	-0.02
5) Phenol-d6	6.83	99	38693	7.03	ng	-0.02
8) Nitrobenzene-d5	8.83	82	15913	3.96	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	12396	5.84	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	66267	3.94	ng	0.00
29) Terphenyl-d14	19.71	244	87692	4.79	ng	0.00

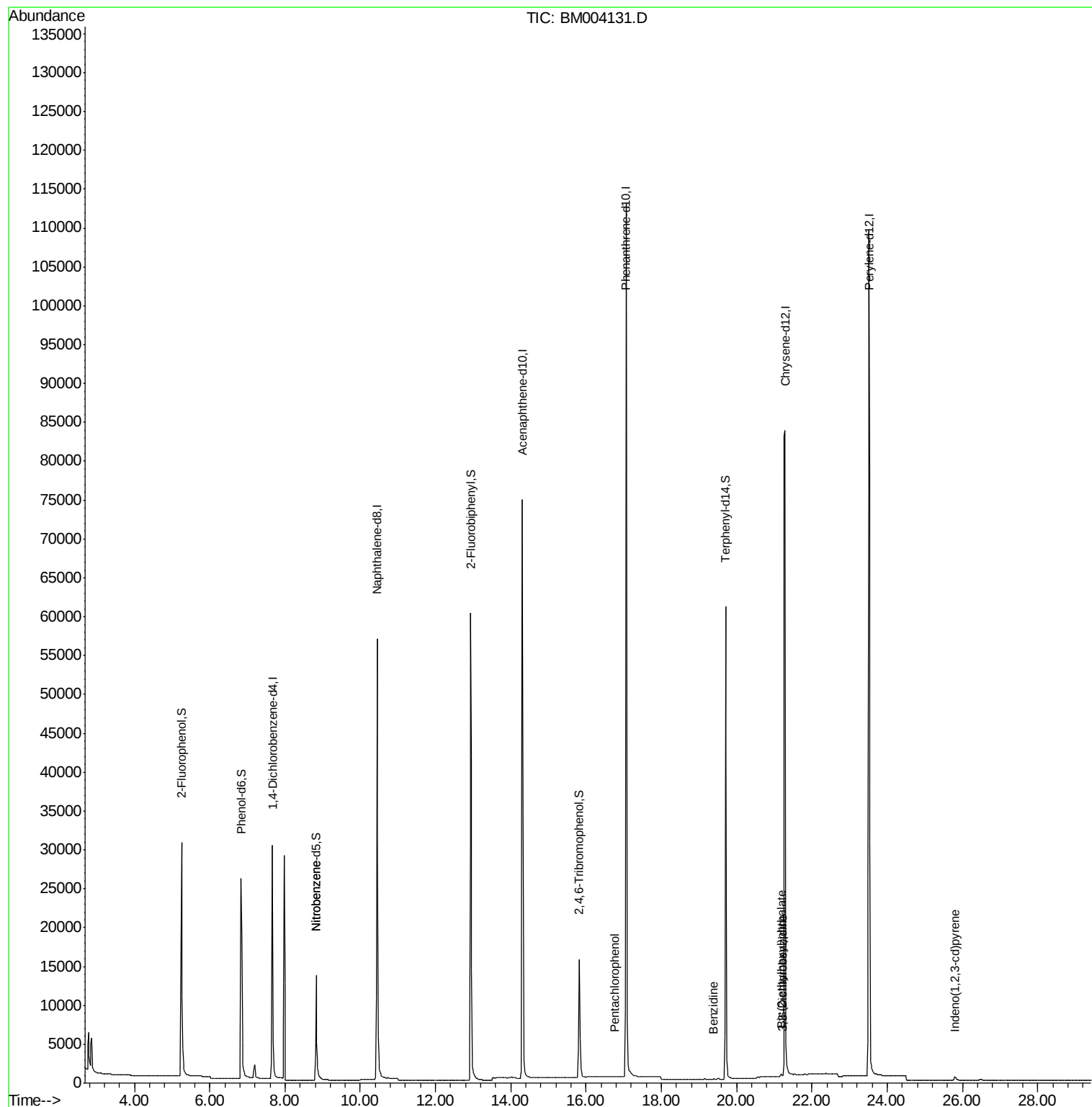
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Nitrobenzene	8.83	77	53	0.23	ng	# 31
22) Pentachlorophenol	16.76	266	63	0.26	ng	# 71
23) Phenanthrene	17.06	178	141	Below Cal		# 1
27) Benzidine	19.38	184	120	0.12	ng	# 1
28) Pyrene	19.52	202	126	Below Cal		# 90
30) Benzo(a)anthracene	21.27	228	858	Below Cal		# 88
31) 3,3'-Dichlorobenzidine	21.23	252	127	0.04	ng	# 62
32) Chrysene	21.27	228	847	Below Cal		# 80
33) Bis(2-ethylhexyl)phthalate	21.19	149	556	0.06	ng	# 92
34) Indeno(1,2,3-cd)pyrene	25.80	276	532	0.03	ng	97

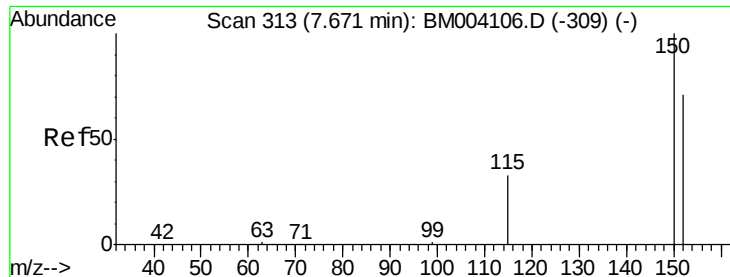
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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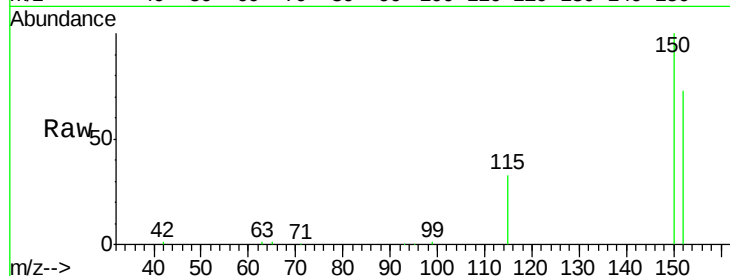


#1

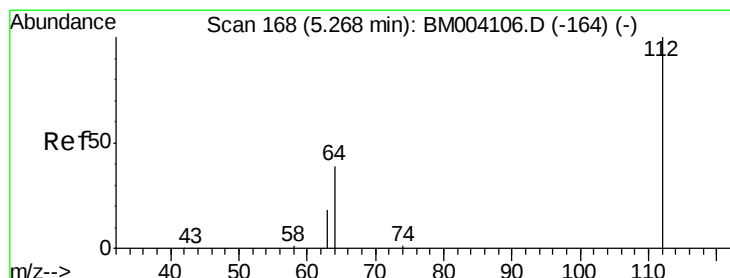
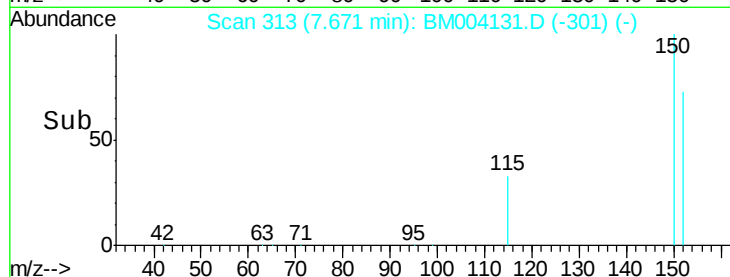
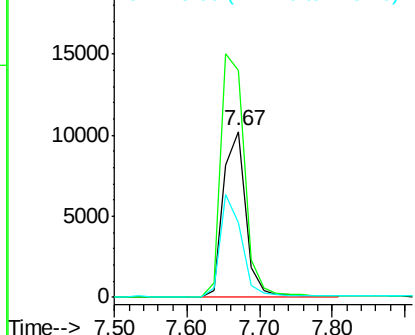
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. -0.00 min
Lab File: BM004131.D
Acq: 27 Jan 2016 13:14

Instrument :
BNA_M
ClientSampleId :
PB87989BL

Tgt Ion:152 Resp: 21870
Ion Ratio Lower Upper
152 100
150 137.3 122.9 184.3
115 45.2 44.4 66.6



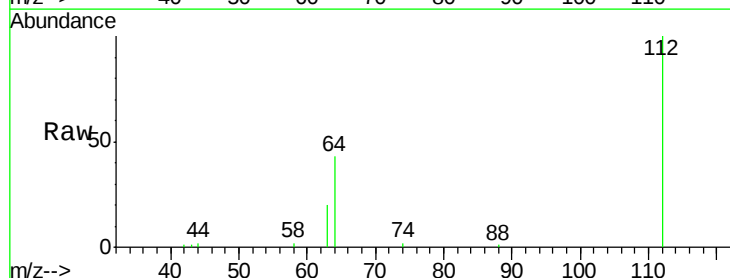
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



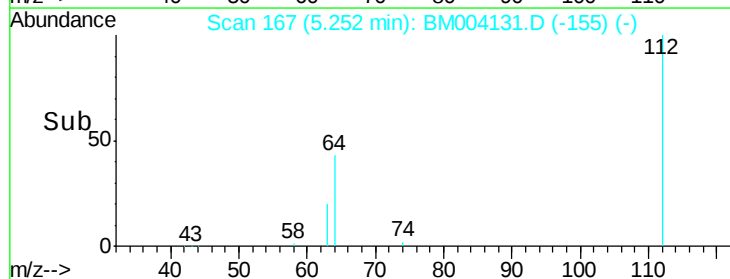
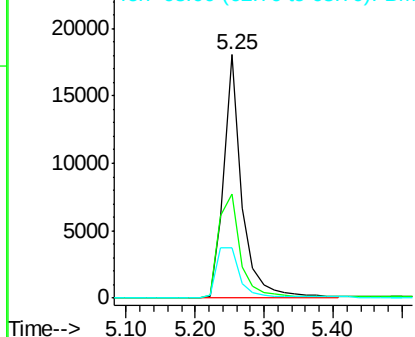
#4

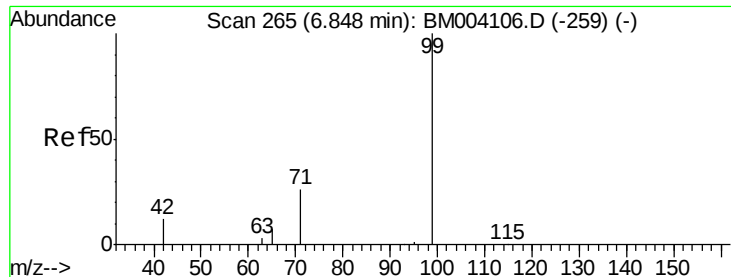
2-Fluorophenol
Concen: 7.19 ng
RT: 5.25 min Scan# 167
Delta R.T. -0.02 min
Lab File: BM004131.D
Acq: 27 Jan 2016 13:14

Tgt Ion:112 Resp: 32801
Ion Ratio Lower Upper
112 100
64 51.7 41.8 62.8
63 27.0 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 7.03 ng

RT: 6.83 min Scan# 264

Delta R.T. -0.02 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

Instrument :

BNA_M

ClientSampleId :

PB87989BL

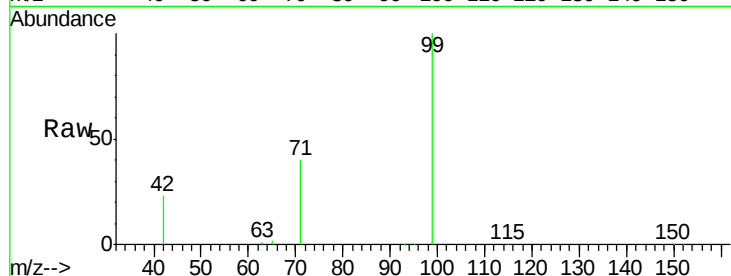
Tgt Ion: 99 Resp: 38693

Ion Ratio Lower Upper

99 100

42 18.3 16.2 24.2

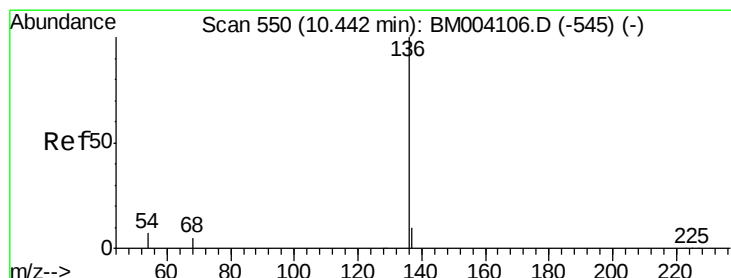
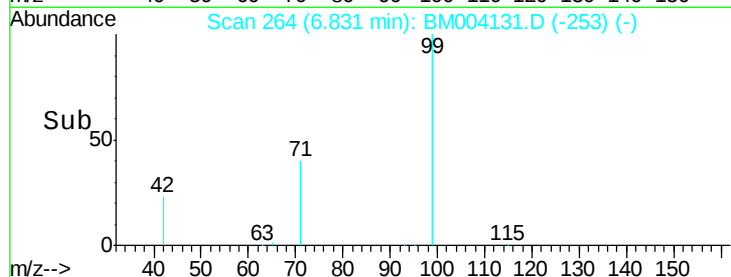
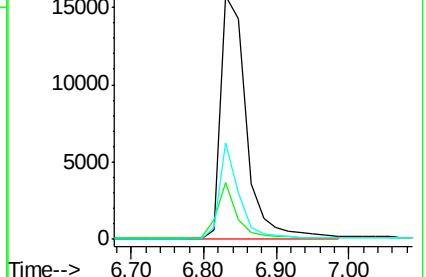
71 30.9 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM004106.D (-259) (-)

Ion 42.00 (41.70 to 42.70): BM004106.D (-259) (-)

Ion 71.00 (70.70 to 71.70): BM004106.D (-259) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

Tgt Ion: 136 Resp: 91748

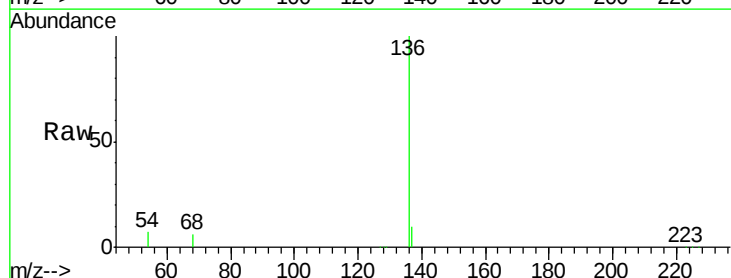
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 7.4 2.8 4.2#

68 5.7 2.5 3.7#

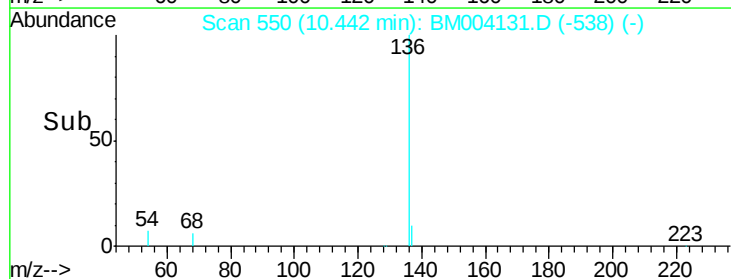
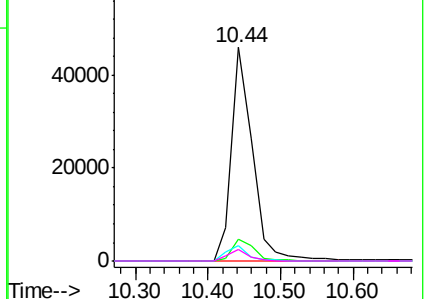


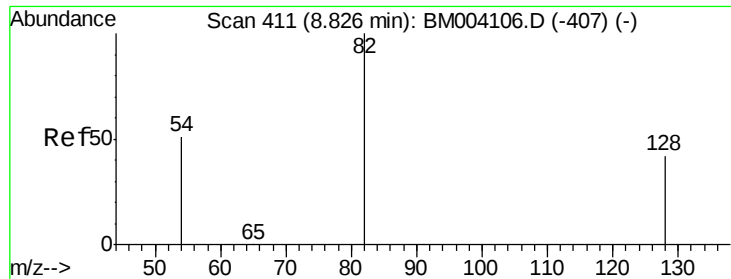
Abundance Ion 136.00 (135.70 to 136.70): BM004106.D (-545) (-)

Ion 137.00 (136.70 to 137.70): BM004106.D (-545) (-)

Ion 54.00 (53.70 to 54.70): BM004106.D (-545) (-)

Ion 68.00 (67.70 to 68.70): BM004106.D (-545) (-)





#8

Nitrobenzene-d5

Concen: 3.96 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

Instrument :

BNA_M

ClientSampleId :

PB87989BL

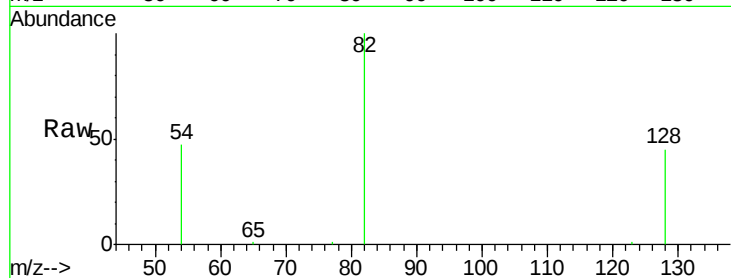
Tgt Ion: 82 Resp: 15913

Ion Ratio Lower Upper

82 100

128 45.0 39.1 58.7

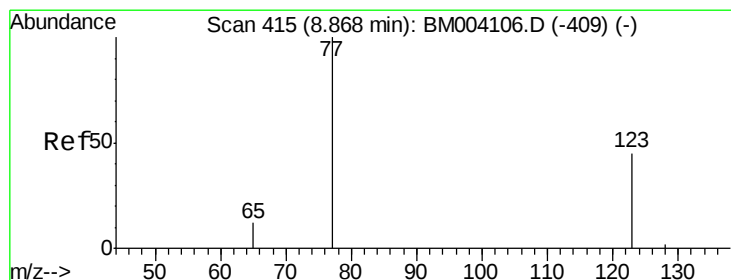
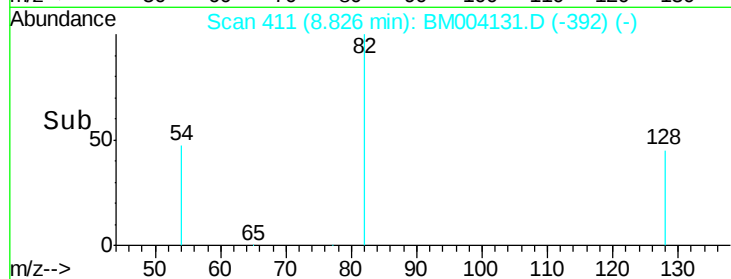
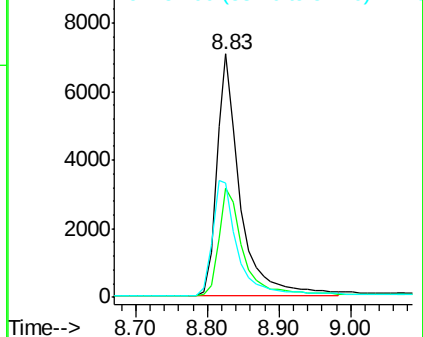
54 47.0 34.8 52.2



Abundance Ion 82.00 (81.70 to 82.70): BM004131.D (-392) (-)

Ion 128.00 (127.70 to 128.70): BM004131.D (-392) (-)

Ion 54.00 (53.70 to 54.70): BM004131.D (-392) (-)



#9

Nitrobenzene

Concen: 0.23 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.04 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

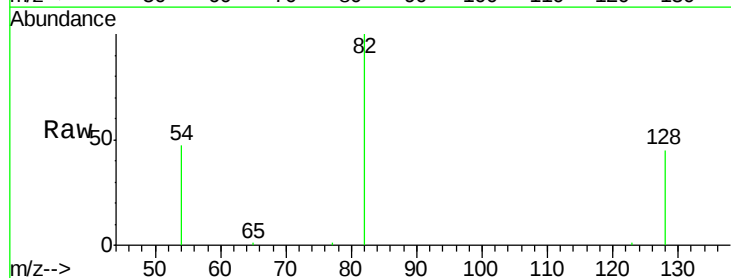
Tgt Ion: 77 Resp: 53

Ion Ratio Lower Upper

77 100

123 0.0 38.6 57.8#

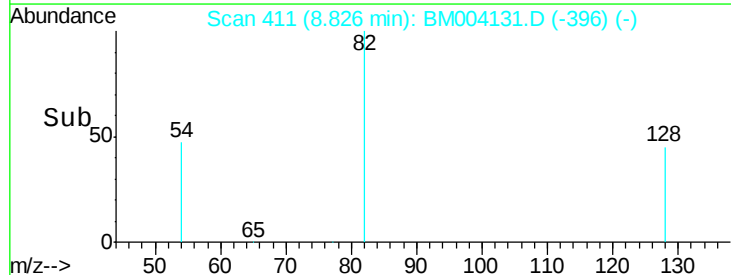
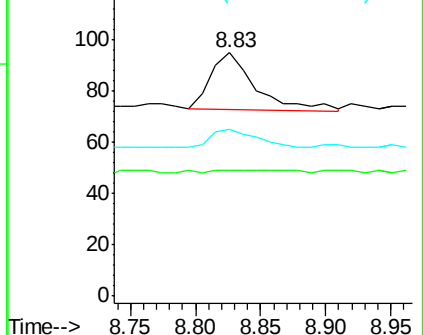
65 35.8 9.9 14.9#

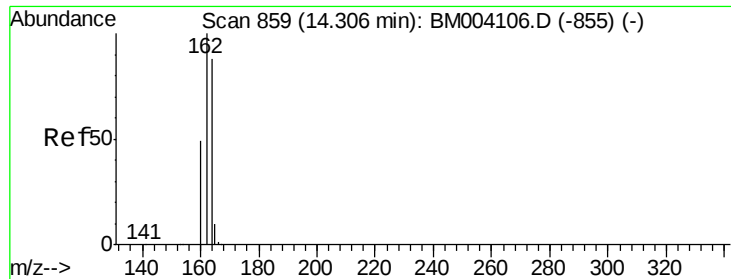


Abundance Ion 77.00 (76.70 to 77.70): BM004131.D (-396) (-)

Ion 123.00 (122.70 to 123.70): BM004131.D (-396) (-)

Ion 65.00 (64.70 to 65.70): BM004131.D (-396) (-)





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

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ClientSampleId :

PB87989BL

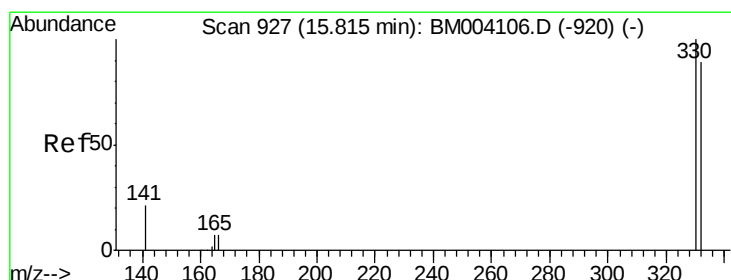
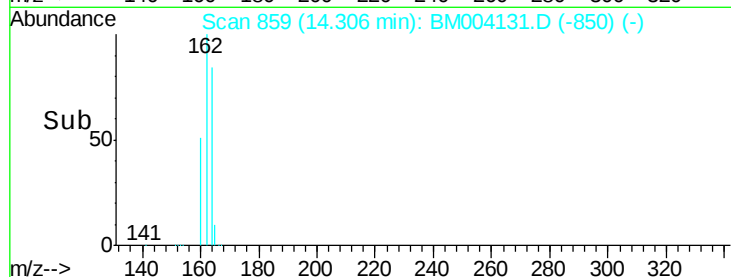
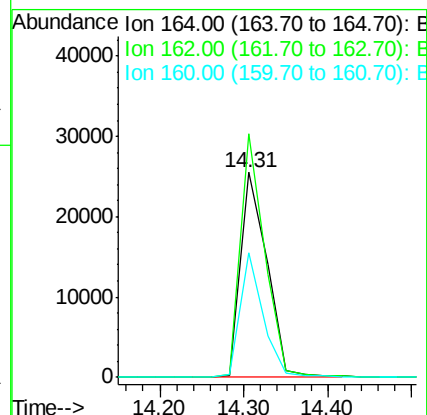
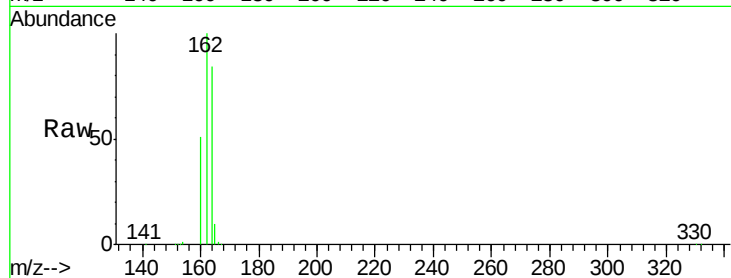
Tgt Ion:164 Resp: 54822

Ion Ratio Lower Upper

164 100

162 118.7 86.0 129.0

160 60.6 40.3 60.5#



#14

2,4,6-Tribromophenol

Concen: 5.84 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

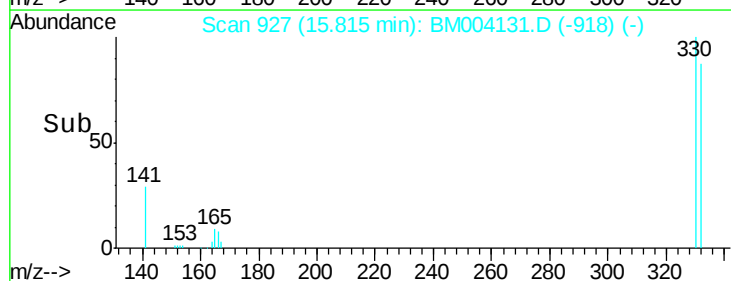
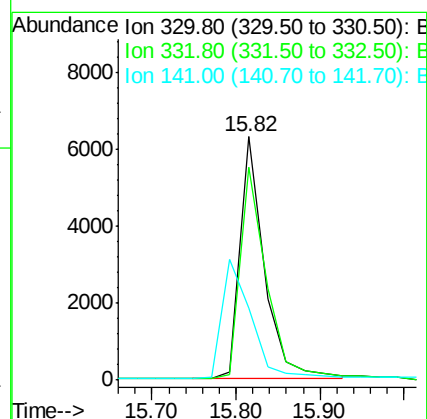
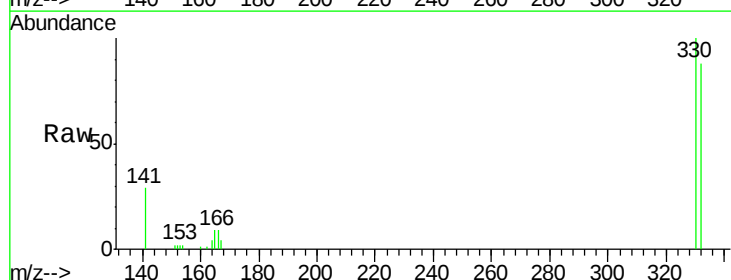
Tgt Ion:330 Resp: 12396

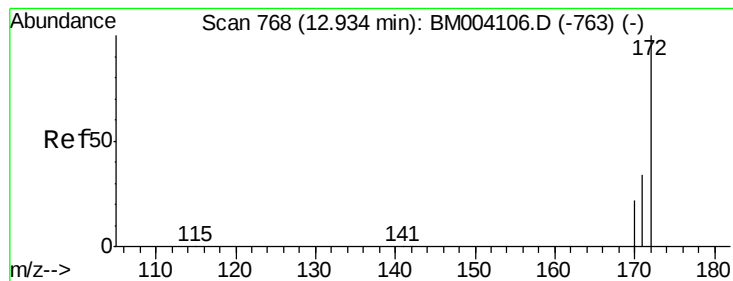
Ion Ratio Lower Upper

330 100

332 94.0 79.0 118.4

141 0.0 27.8 41.6#

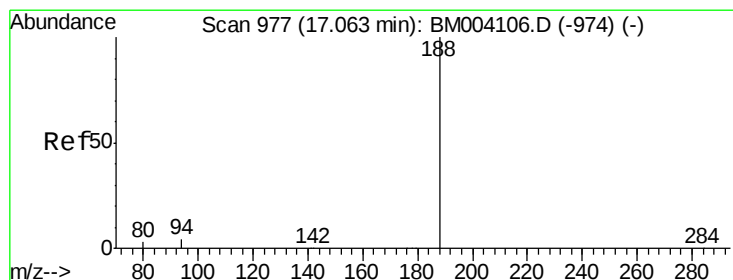
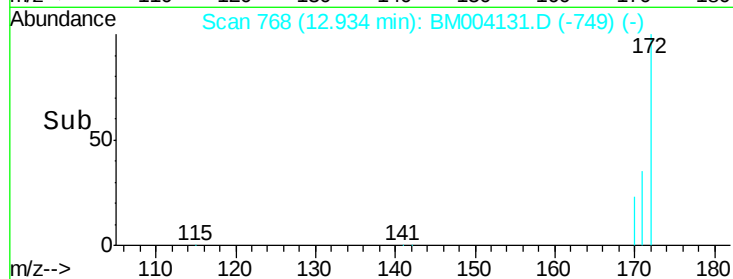
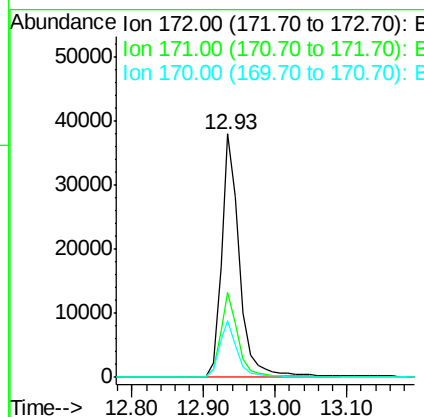
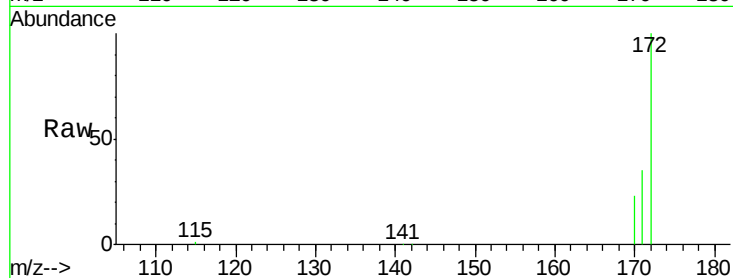




#15
2-Fluorobiphenyl
Concen: 3.94 ng
RT: 12.93 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM004131.D
Acq: 27 Jan 2016 13:14

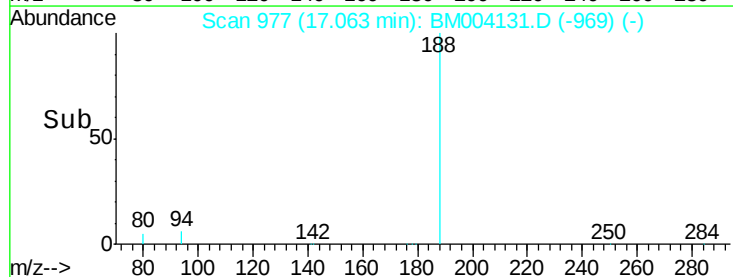
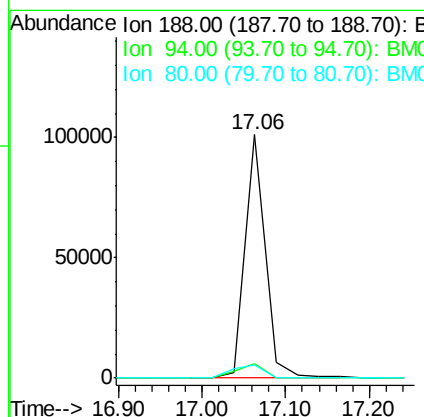
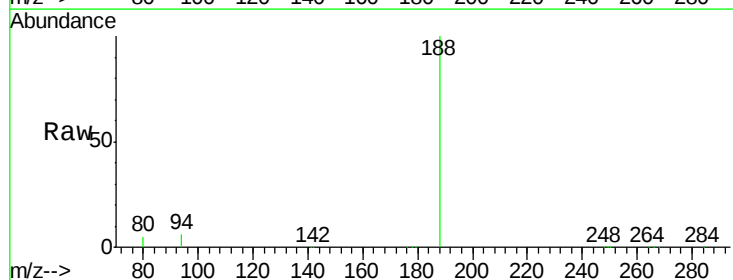
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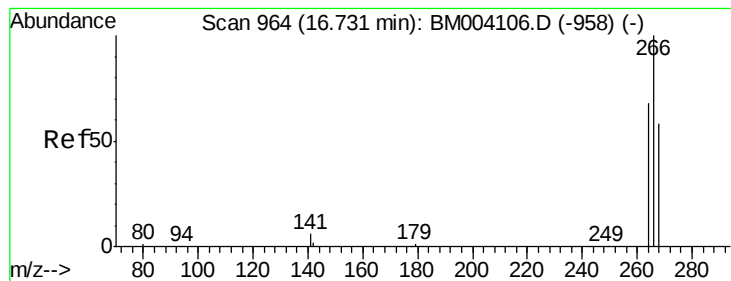
Tgt Ion:172 Resp: 66267
Ion Ratio Lower Upper
172 100
171 35.1 27.0 40.6
170 23.5 17.9 26.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. -0.00 min
Lab File: BM004131.D
Acq: 27 Jan 2016 13:14

Tgt Ion:188 Resp: 172529
Ion Ratio Lower Upper
188 100
94 5.8 20.3 30.5#
80 5.2 22.2 33.4#





#22

Pentachlorophenol

Concen: 0.26 ng

RT: 16.76 min Scan# 965

Delta R.T. 0.03 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

Instrument :

BNA_M

ClientSampleId :

PB87989BL

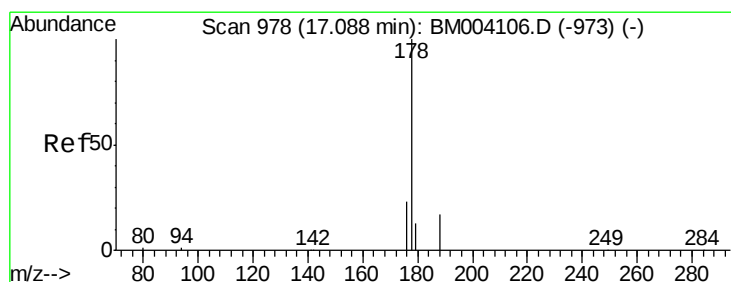
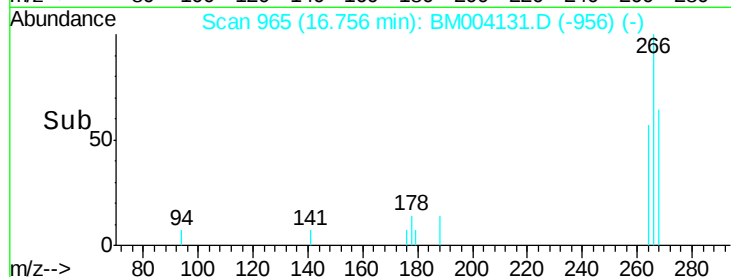
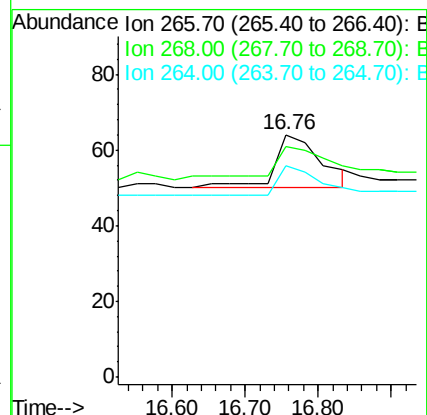
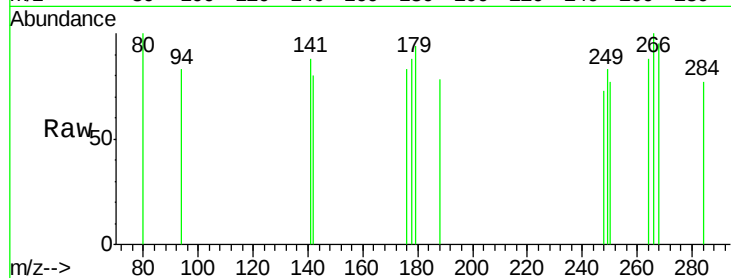
Tgt Ion: 266 Resp: 63

Ion Ratio Lower Upper

266 100

268 95.3 62.7 94.1#

264 87.5 45.7 68.5#



#23

Phenanthrene

Concen: Below Cal

RT: 17.06 min Scan# 977

Delta R.T. -0.03 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

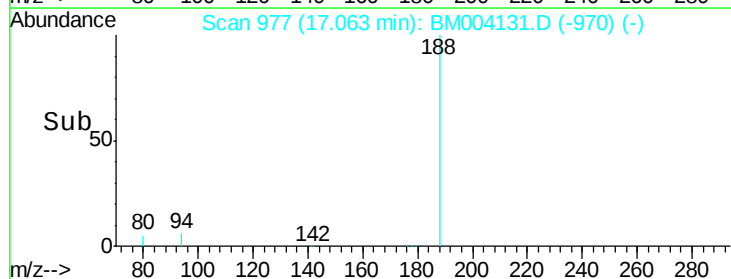
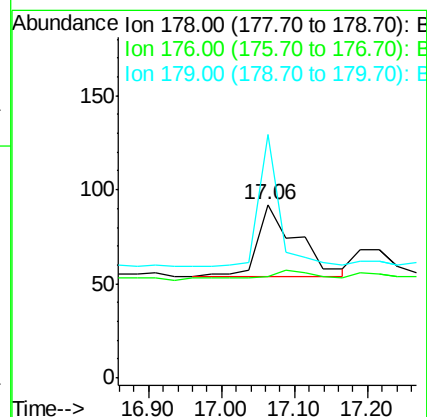
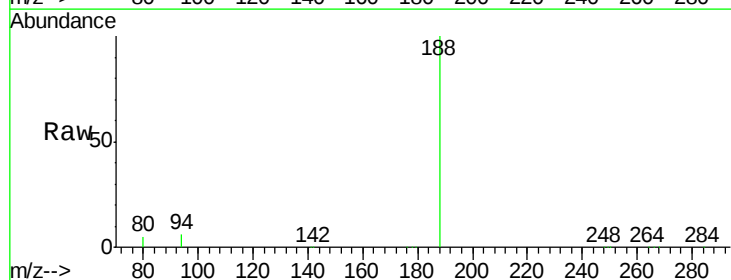
Tgt Ion: 178 Resp: 141

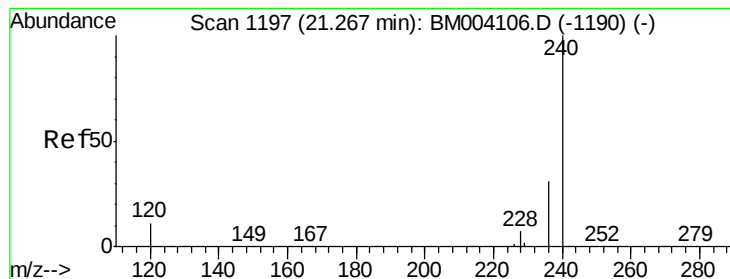
Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

179 96.5 12.2 18.4#





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1198

Delta R.T. 0.02 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

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PB87989BL

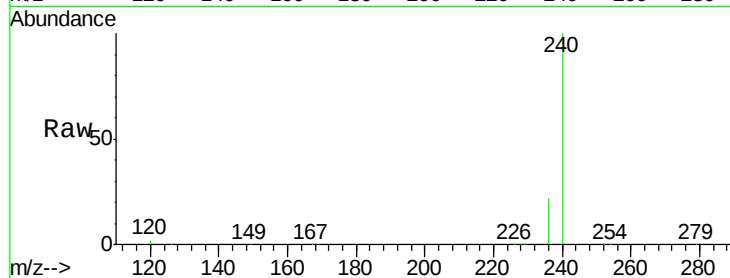
Tgt Ion:240 Resp: 143898

Ion Ratio Lower Upper

240 100

120 1.8 0.9 1.3#

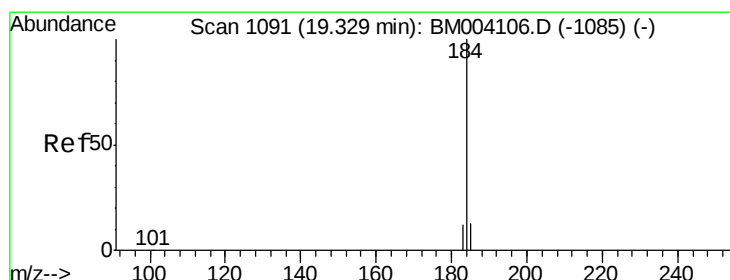
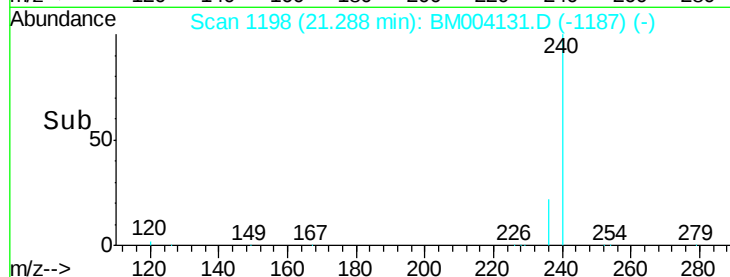
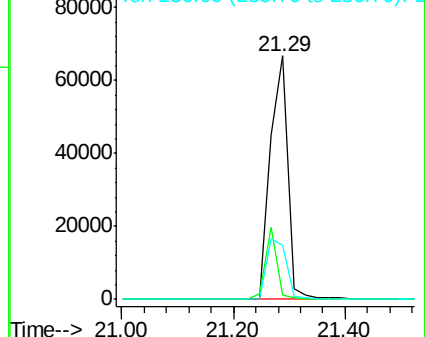
236 22.5 17.3 25.9



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: 0.12 ng

RT: 19.38 min Scan# 1094

Delta R.T. 0.05 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

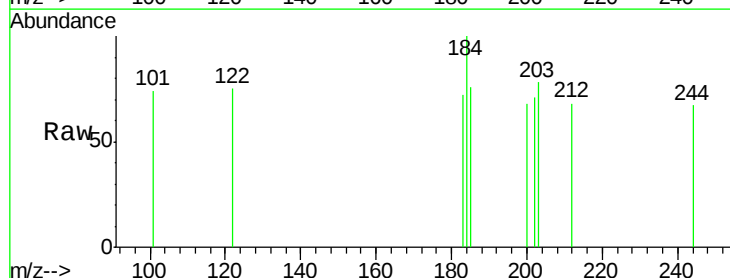
Tgt Ion:184 Resp: 120

Ion Ratio Lower Upper

184 100

185 76.4 13.2 19.8#

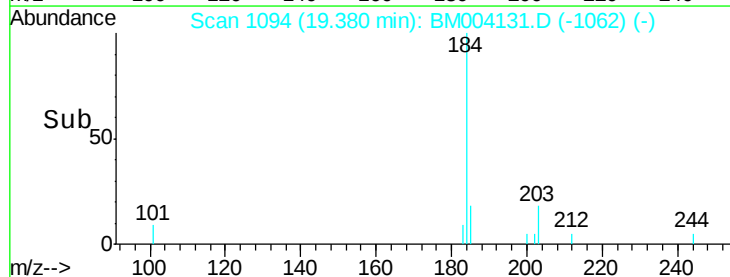
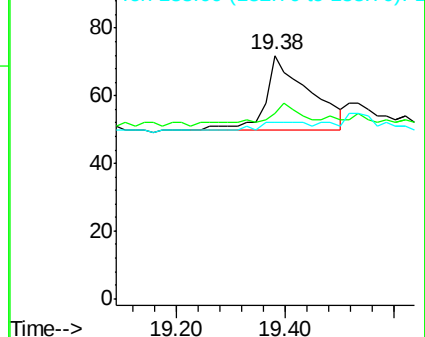
183 72.2 9.0 13.6#

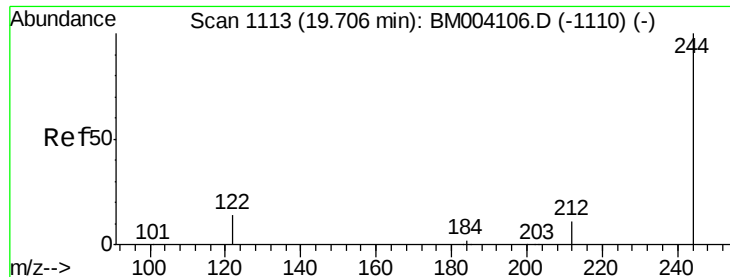


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#29

Terphenyl-d14

Concen: 4.79 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

Instrument :

BNA_M

ClientSampled :

PB87989BL

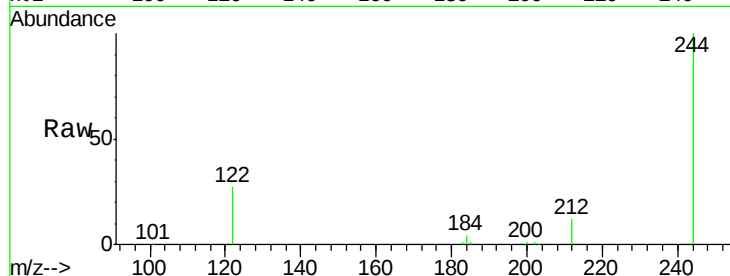
Tgt Ion:244 Resp: 87692

Ion Ratio Lower Upper

244 100

212 11.9 7.0 10.6#

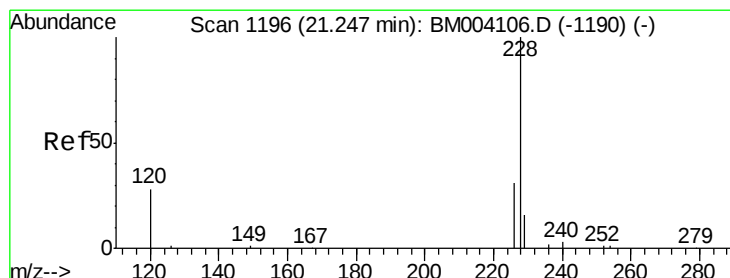
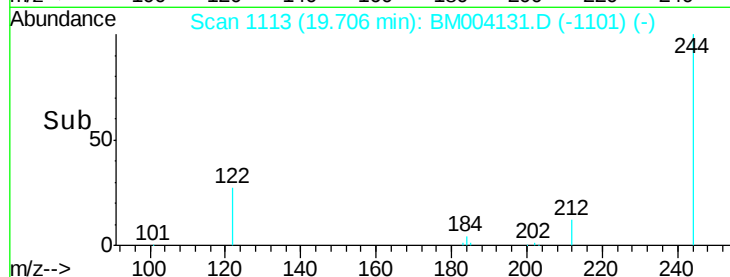
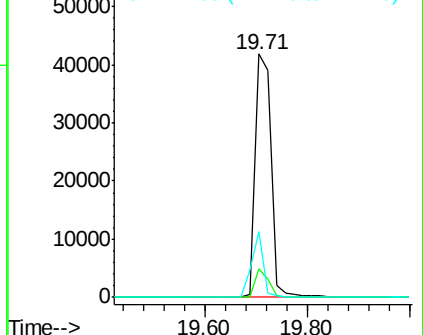
122 27.2 3.0 4.6#



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: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BM004131.D

Acq: 27 Jan 2016 13:14

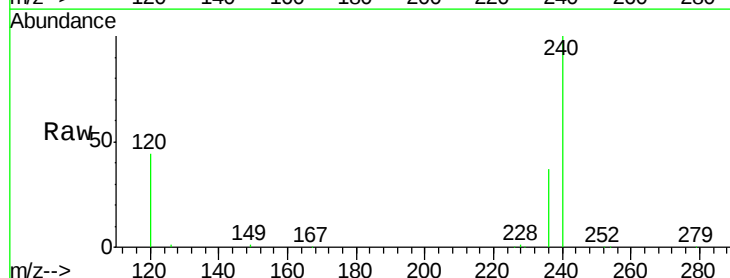
Tgt Ion:228 Resp: 858

Ion Ratio Lower Upper

228 100

226 24.4 17.2 25.8

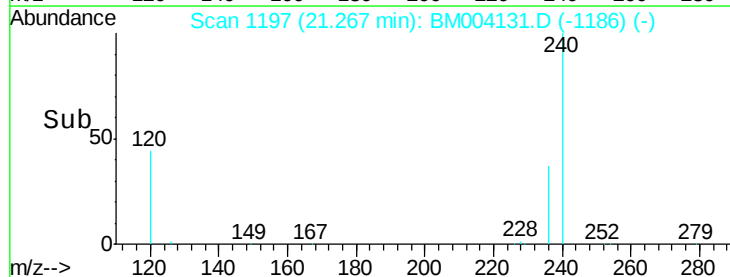
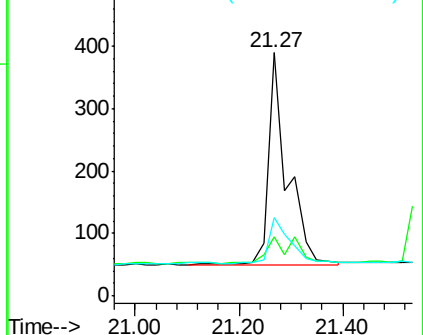
229 32.3 18.7 28.1#

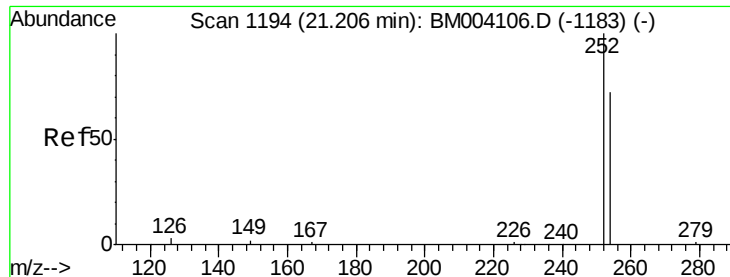


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

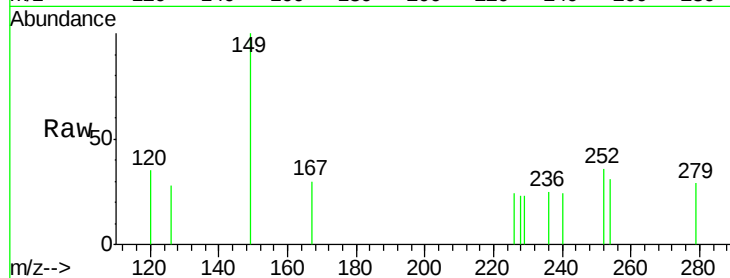




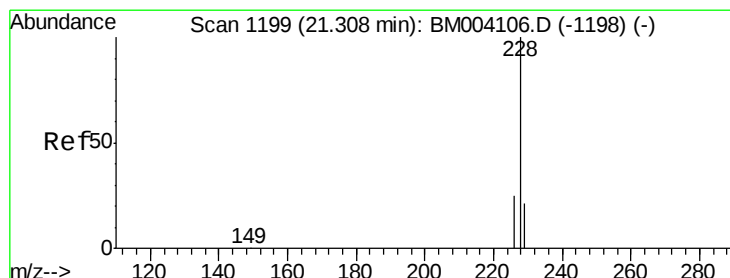
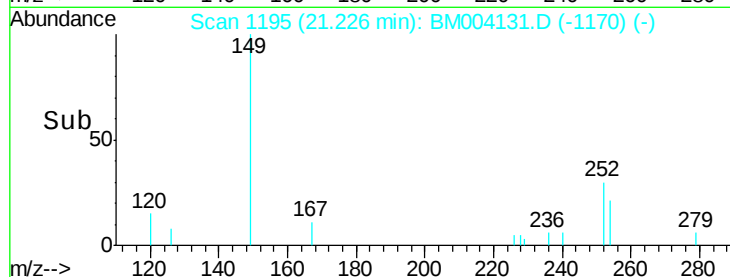
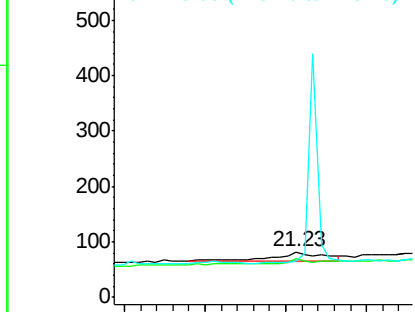
#31
 3,3'-Dichlorobenzidine
 Concen: 0.04 ng
 RT: 21.23 min Scan# 1195
 Delta R.T. 0.02 min
 Lab File: BM004131.D
 Acq: 27 Jan 2016 13:14

Instrument :
 BNA_M
 ClientSampleId :
 PB87989BL

Tgt Ion: 252 Resp: 127
 Ion Ratio Lower Upper
 252 100
 254 85.4 52.6 79.0#
 126 79.3 3.7 5.5#

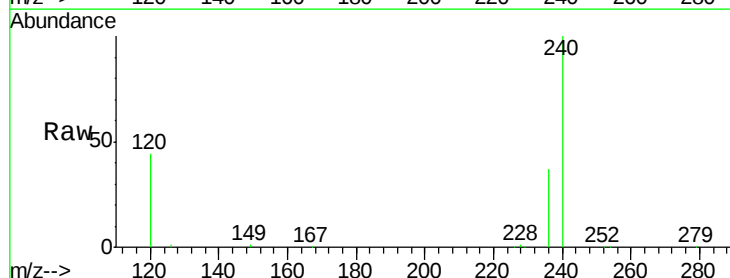


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

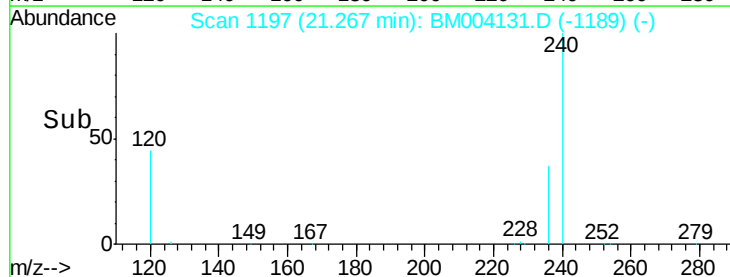
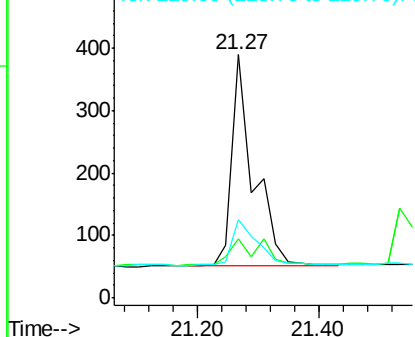


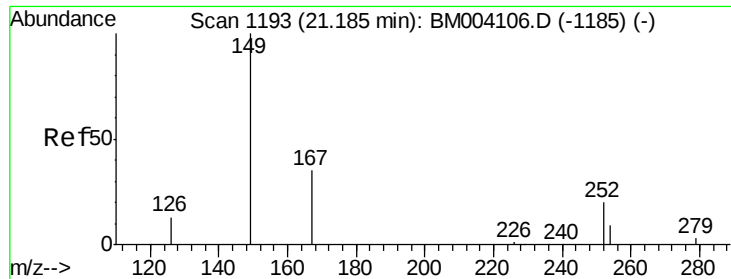
#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BM004131.D
 Acq: 27 Jan 2016 13:14

Tgt Ion: 228 Resp: 847
 Ion Ratio Lower Upper
 228 100
 226 24.4 25.3 37.9#
 229 32.3 14.5 21.7#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

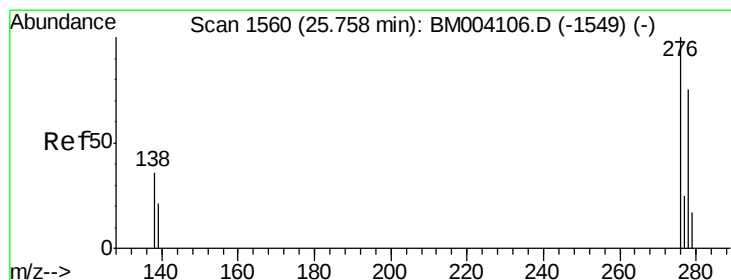
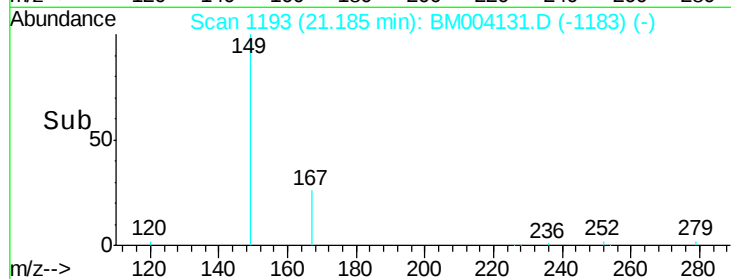
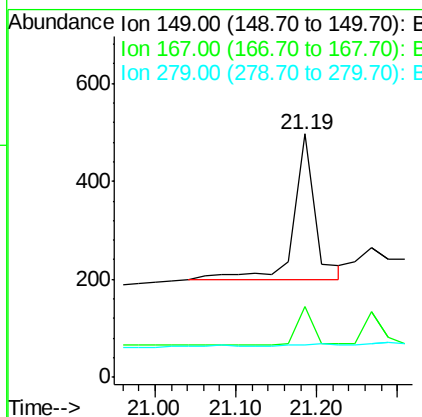
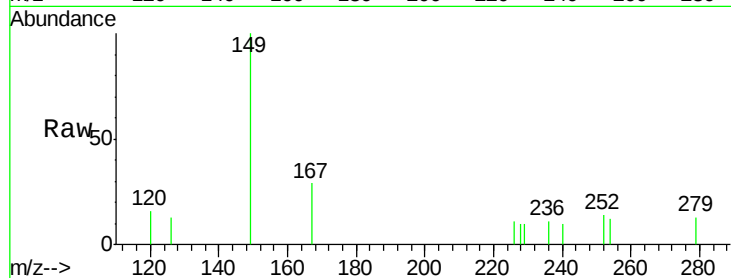




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.06 ng
 RT: 21.19 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: BM004131.D
 Acq: 27 Jan 2016 13:14

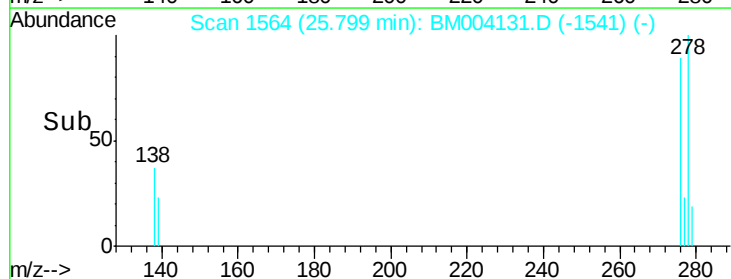
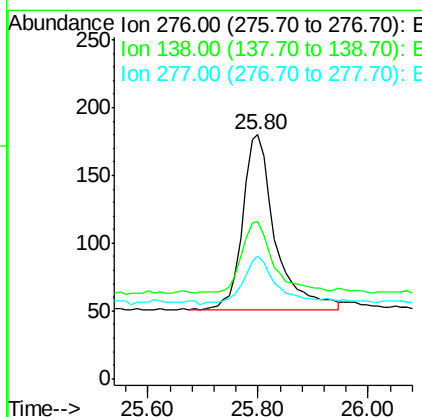
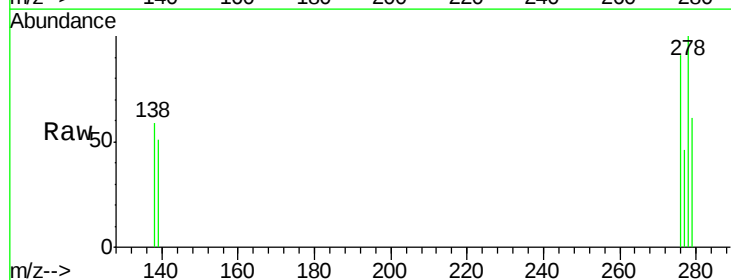
Instrument :
 BNA_M
 ClientSampleId :
 PB87989BL

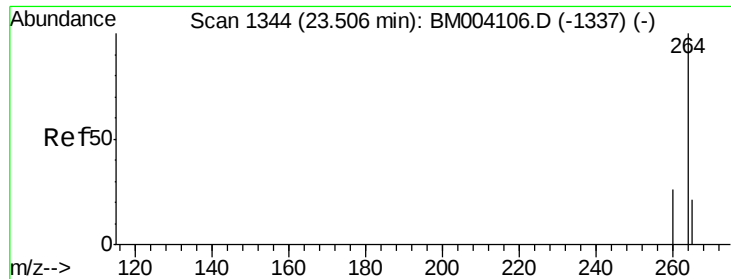
Tgt Ion: 149 Resp: 556
 Ion Ratio Lower Upper
 149 100
 167 20.9 20.1 30.1
 279 0.0 1.8 2.6#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 25.80 min Scan# 1564
 Delta R.T. 0.04 min
 Lab File: BM004131.D
 Acq: 27 Jan 2016 13:14

Tgt Ion: 276 Resp: 532
 Ion Ratio Lower Upper
 276 100
 138 40.8 30.2 45.2
 277 25.0 19.8 29.8





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.52 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BM004131.D

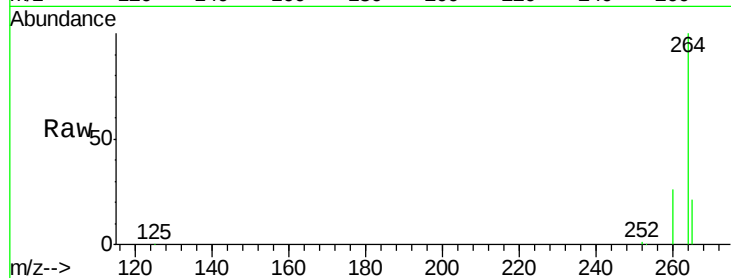
Acq: 27 Jan 2016 13:14

Instrument :

BNA_M

ClientSampleId :

PB87989BL



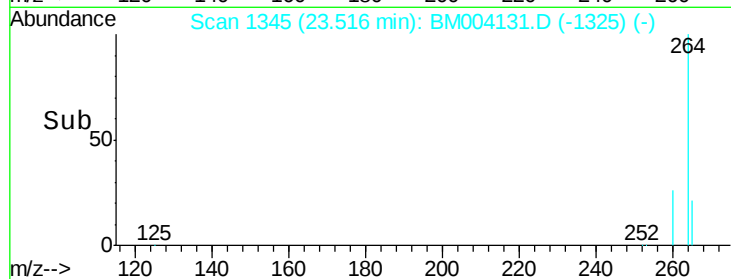
Tgt Ion: 264 Resp: 145118

Ion Ratio Lower Upper

264 100

260 25.8 21.2 31.8

265 21.4 16.7 25.1



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

