

Data Path : Z:\HPCHEM1\BNA M\Data\BM030116\
 Data File : BM004514.D
 Acq On : 02 Mar 2016 11:30
 Operator : SJ/UM
 Sample : PB88423BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88423BS

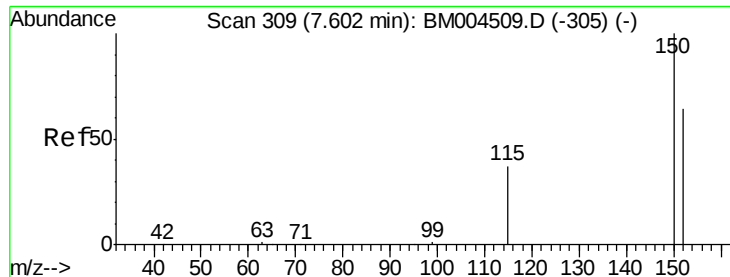
Quant Time: Mar 02 15:27:44 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 14:46:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	19952	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	75590	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	38047	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	90711	5.00	ng	0.00
26) Chrysene-d12	21.23	240	70029	5.00	ng	0.00
35) Perylene-d12	23.46	264	66058	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	31743	7.61	ng	-0.03
5) Phenol-d6	6.80	99	39387	7.12	ng	-0.03
8) Nitrobenzene-d5	8.77	82	15975	3.98	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	9554	6.86	ng	-0.02
15) 2-Fluorobiphenyl	12.88	172	51323	4.33	ng	0.00
29) Terphenyl-d14	19.67	244	41681	3.99	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	6837	3.80	ng	98
3) n-Nitrosodimethylamine	3.41	42	5897	4.21	ng	96
6) bis(2-Chloroethyl)ether	7.04	93	17018	3.73	ng	94
9) Nitrobenzene	8.82	77	16550	3.62	ng	100
10) Naphthalene	10.42	128	66604	3.72	ng	96
11) Hexachlorobutadiene	10.72	225	11317	3.67	ng	99
12) 2-Methylnaphthalene	12.06	142	44576	4.14	ng	90
16) Acenaphthylene	13.97	152	73659	3.87	ng	99
17) Acenaphthene	14.33	154	40033	3.88	ng	# 75
18) Fluorene	15.33	166	50437	3.97	ng	99
20) 4-Bromophenyl-phenylether	16.19	248	12447	3.42	ng	# 1
21) Hexachlorobenzene	16.35	284	12733	3.88	ng	# 100
22) Pentachlorophenol	16.70	266	5856	7.12	ng	85
23) Phenanthrene	17.06	178	74878	4.19	ng	100
24) Anthracene	17.14	178	75324	3.48	ng	98
25) Fluoranthene	19.09	202	92286	3.95	ng	100
27) Benzidine	19.29	184	68224	7.42	ng	# 90
28) Pyrene	19.47	202	97607	4.12	ng	99
30) Benzo(a)anthracene	21.21	228	80996	3.74	ng	99
31) 3,3'-Dichlorobenzidine	21.16	252	30654	4.58	ng	# 88
32) Chrysene	21.27	228	85509	4.20	ng	99
33) Bis(2-ethylhexyl)phthalate	21.12	149	47772	3.40	ng	# 99
34) Indeno(1,2,3-cd)pyrene	25.69	276	84184	4.10	ng	100
36) Benzo(b)fluoranthene	22.79	252	85003	4.21	ng	96
37) Benzo(k)fluoranthene	22.84	252	85921	4.25	ng	98
38) Benzo(a)pyrene	23.36	252	77247	3.94	ng	96
39) Dibenzo(a,h)anthracene	25.69	278	66531	4.10	ng	97
40) Benzo(g,h,i)perylene	26.38	276	72868	3.96	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.60 min Scan# 309

Delta R.T. -0.00 min

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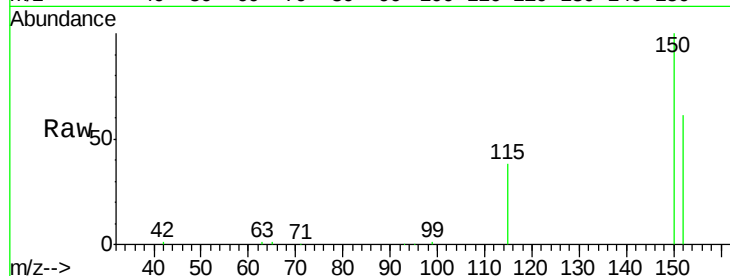
Tot Ion:152 Resp: 19952

Ion Ratio Lower Upper

152 100

150 162.9 134.2 201.2

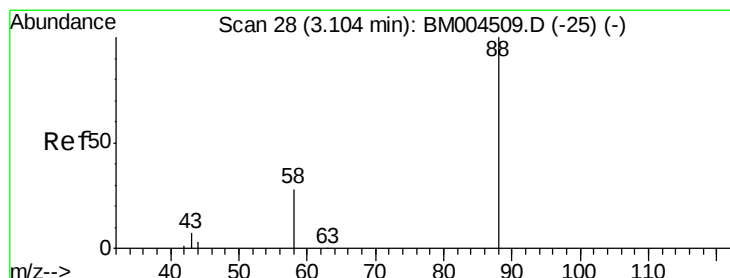
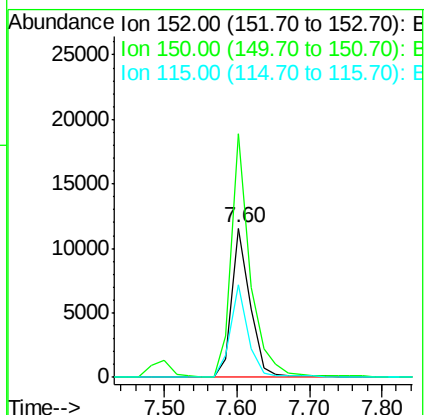
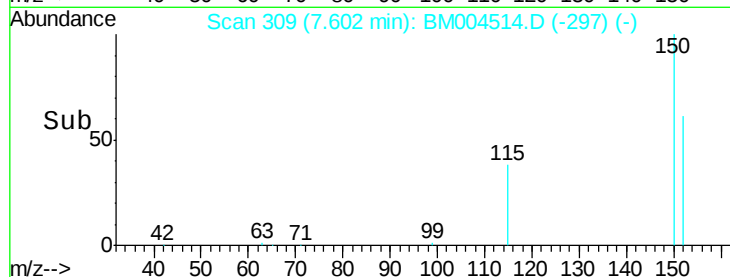
115 62.3 52.2 78.4



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



#2

1,4-Dioxane

Concen: 3.80 ng

RT: 3.10 min Scan# 28

Delta R.T. 0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

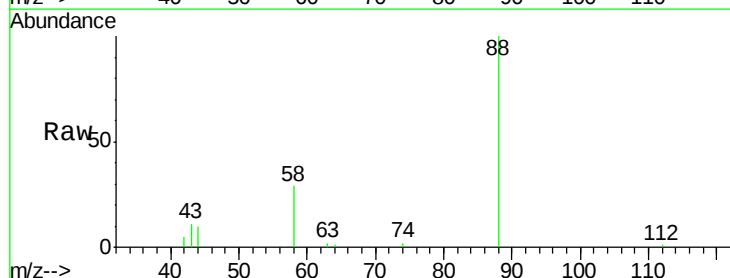
Tgt Ion: 88 Resp: 6837

Ion Ratio Lower Upper

88 100

58 68.1 52.9 79.3

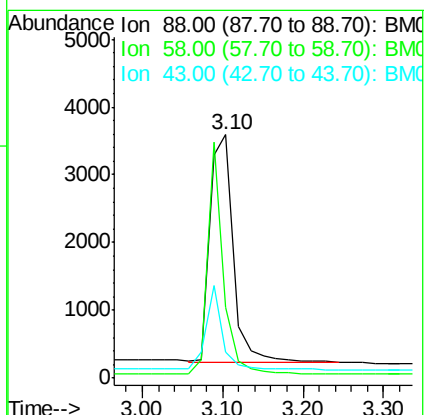
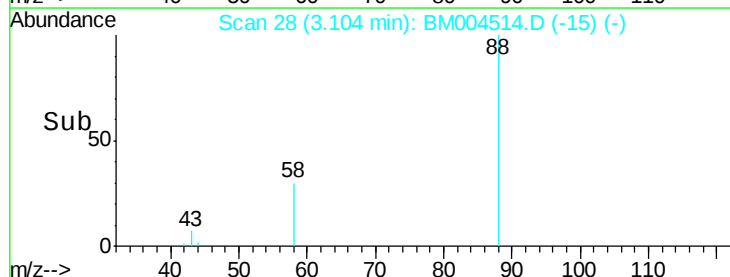
43 25.7 20.8 31.2

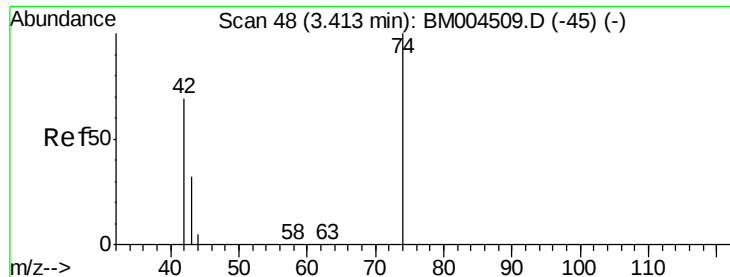


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 4.21 ng

RT: 3.41 min Scan# 48

Delta R.T. -0.02 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

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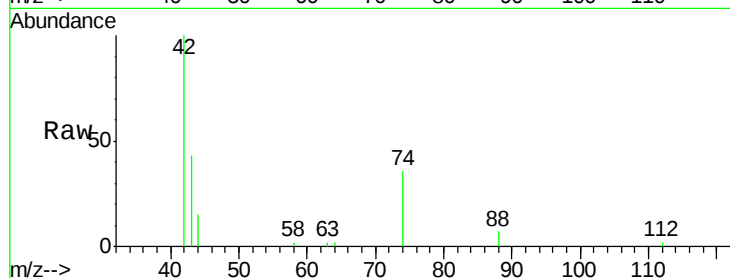
Tot Ion: 42 Resp: 5897

Ion Ratio Lower Upper

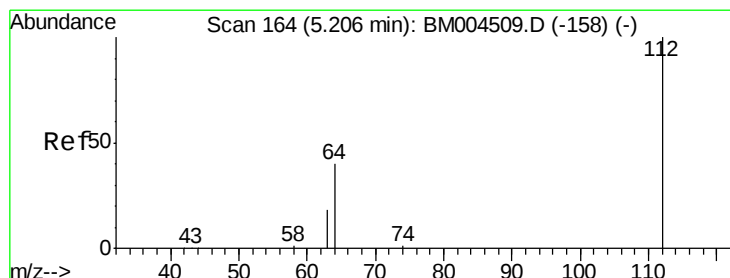
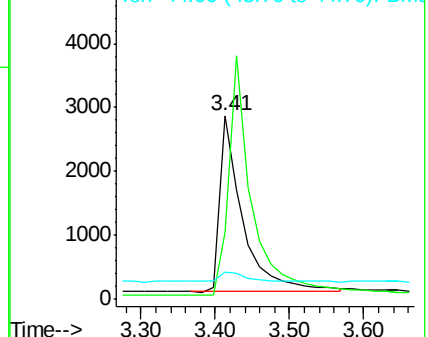
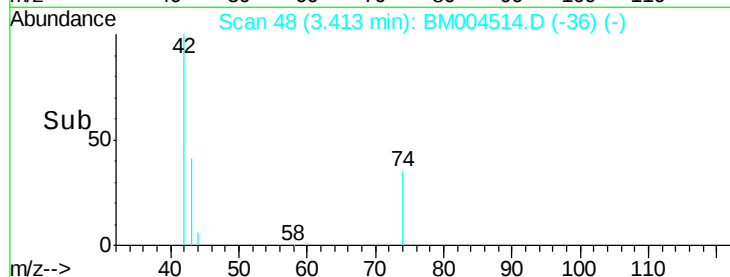
42 100

74 139.4 115.5 173.3

44 6.4 6.2 9.4



Abundance Ion 42.00 (41.70 to 42.70): BM004514.D (-36) (-)



#4

2-Fluorophenol

Concen: 7.61 ng

RT: 5.21 min Scan# 164

Delta R.T. -0.03 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

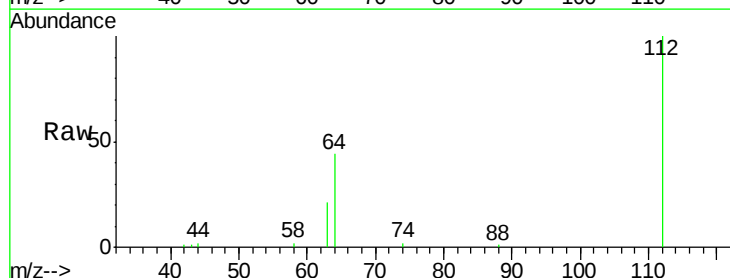
Tgt Ion: 112 Resp: 31743

Ion Ratio Lower Upper

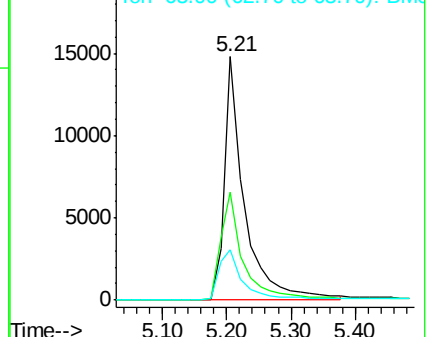
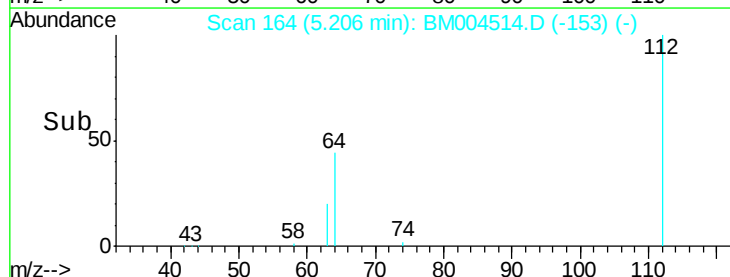
112 100

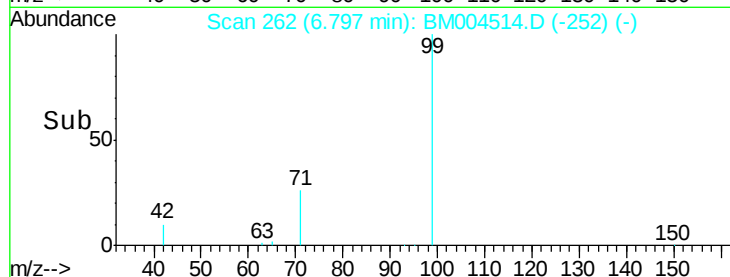
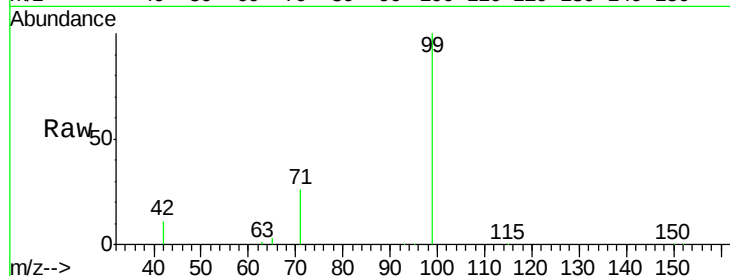
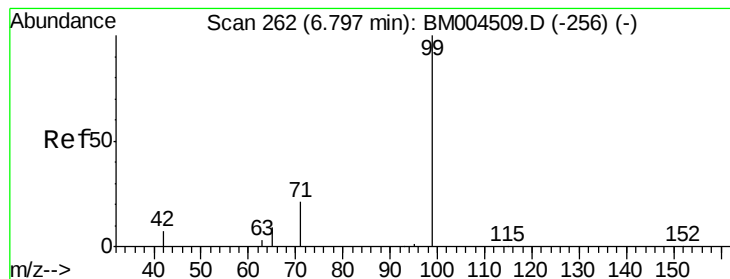
64 49.2 37.0 55.6

63 24.7 19.0 28.4



Abundance Ion 112.00 (111.70 to 112.70): BM004514.D (-153) (-)





#5

Phenol-d6

Concen: 7.12 ng

RT: 6.80 min Scan# 262

Delta R.T. -0.03 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

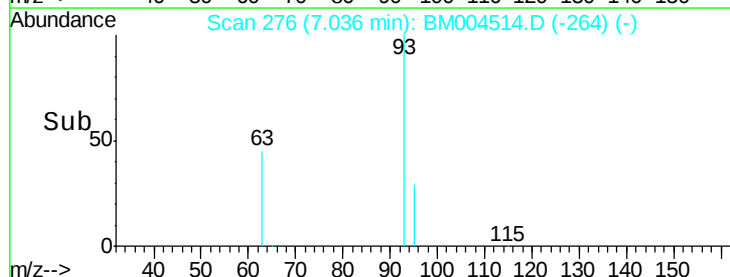
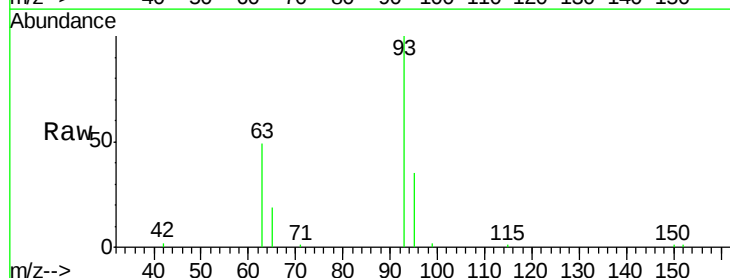
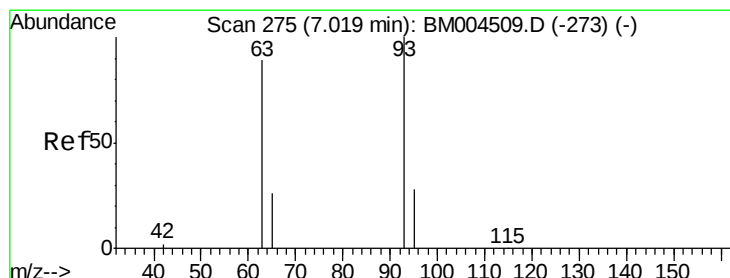
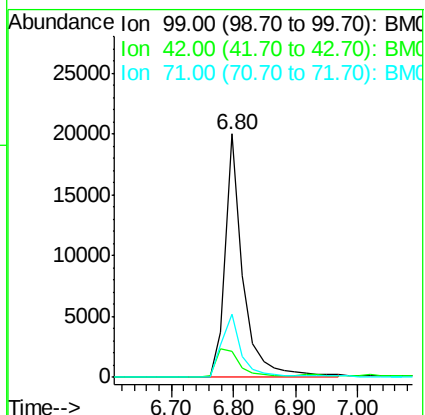
Tot Ion: 99 Resp: 39387

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.4

71 28.8 23.4 35.2



#6

bis(2-Chloroethyl)ether

Concen: 3.73 ng

RT: 7.04 min Scan# 276

Delta R.T. 0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

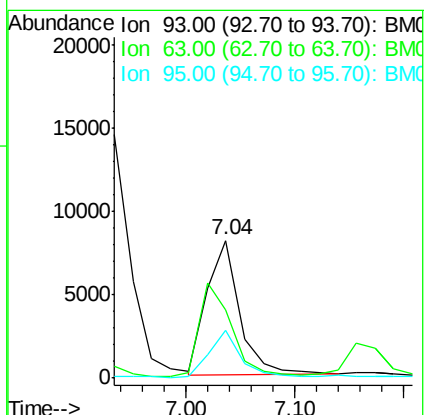
Tgt Ion: 93 Resp: 17018

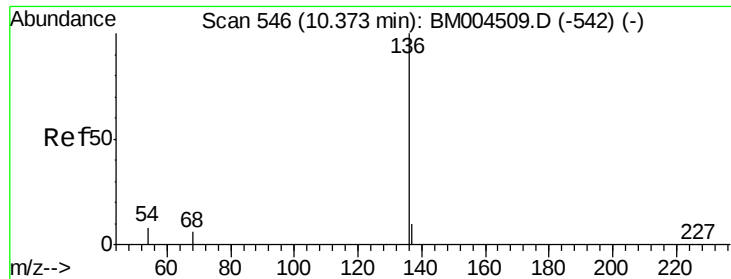
Ion Ratio Lower Upper

93 100

63 69.3 51.1 76.7

95 33.0 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: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

Tot Ion:136 Resp: 75590

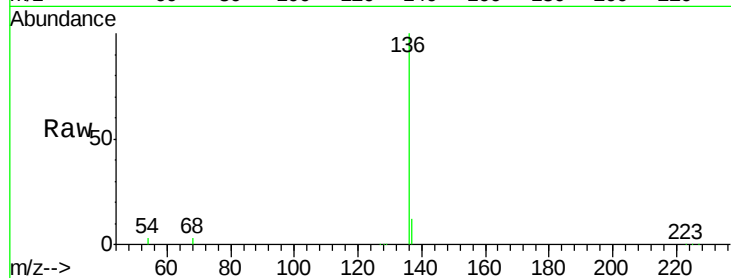
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 3.4 3.3 4.9

68 3.1 2.9 4.3

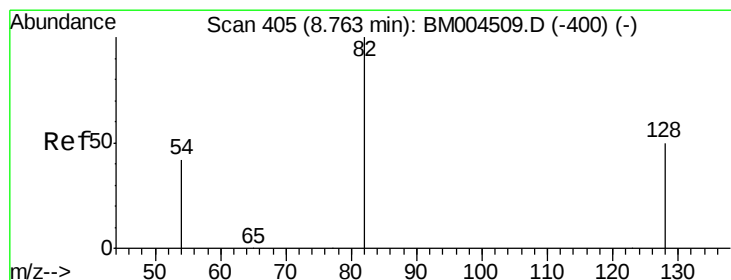
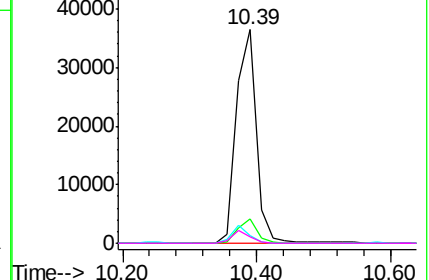
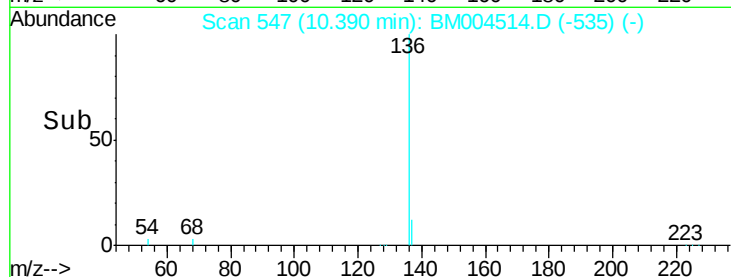


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 3.98 ng

RT: 8.77 min Scan# 406

Delta R.T. -0.02 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

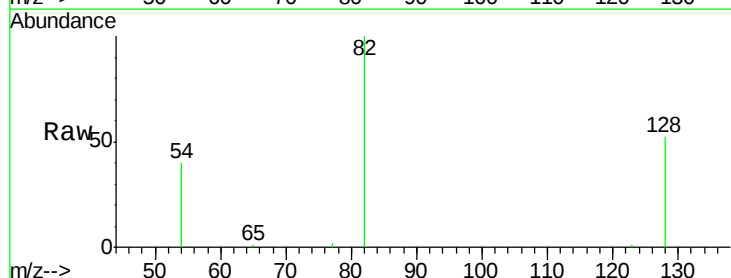
Tgt Ion: 82 Resp: 15975

Ion Ratio Lower Upper

82 100

128 52.1 41.9 62.9

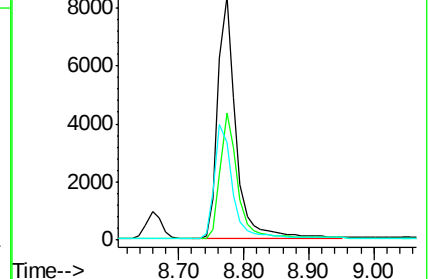
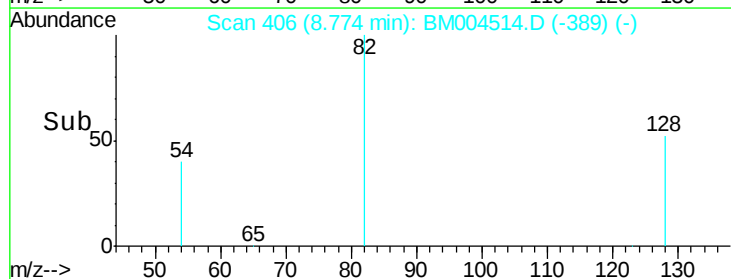
54 40.0 34.2 51.2

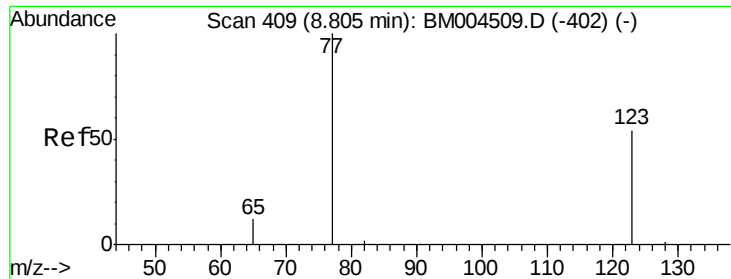


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 3.62 ng

RT: 8.82 min Scan# 410

Delta R.T. -0.02 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

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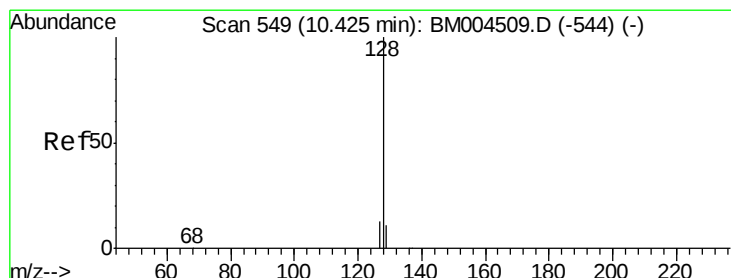
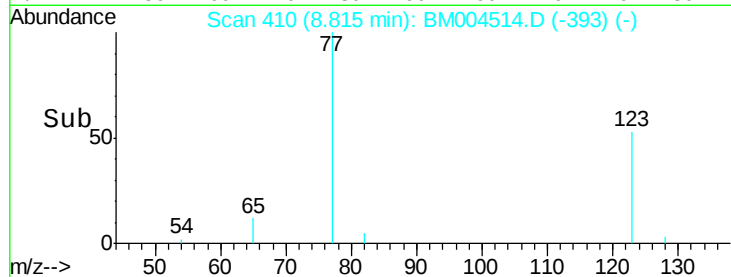
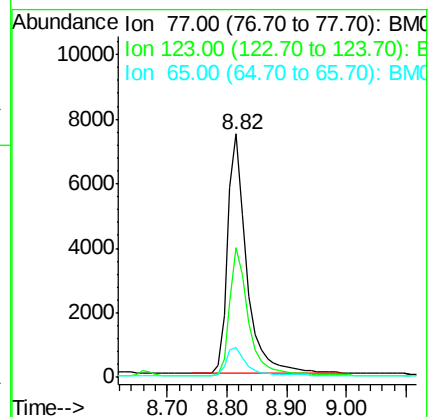
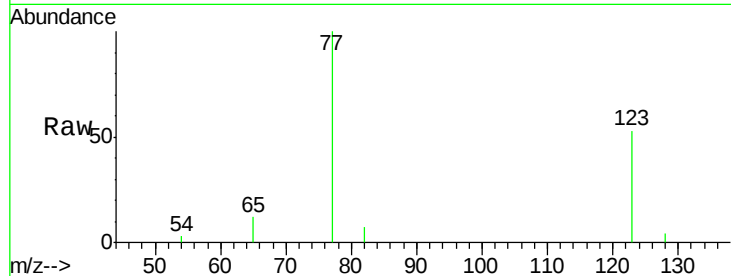
Tot Ion: 77 Resp: 16550

Ion Ratio Lower Upper

77 100

123 53.1 42.5 63.7

65 12.4 10.0 15.0



#10

Naphthalene

Concen: 3.72 ng

RT: 10.42 min Scan# 549

Delta R.T. -0.02 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

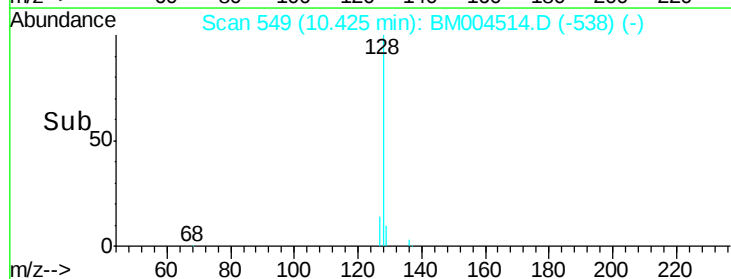
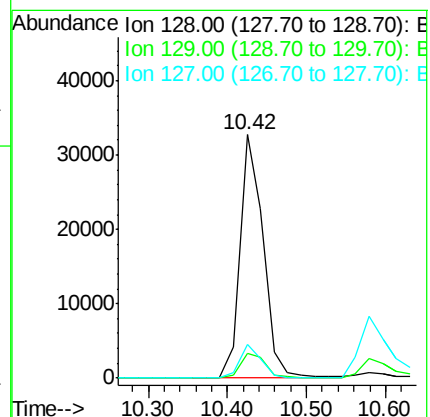
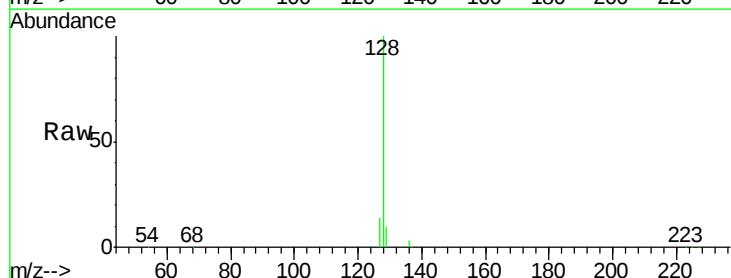
Tgt Ion: 128 Resp: 66604

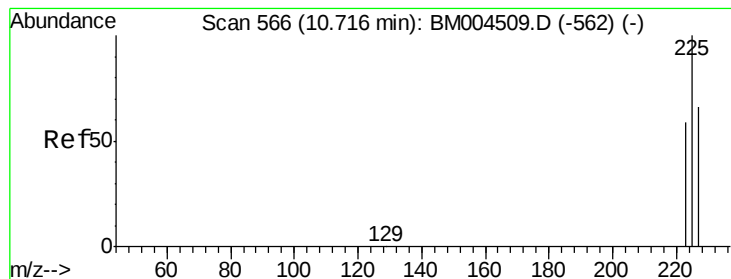
Ion Ratio Lower Upper

128 100

129 10.3 9.8 14.6

127 13.9 9.9 14.9





#11

Hexachlorobutadiene

Concen: 3.67 ng

RT: 10.72 min Scan# 566

Delta R.T. -0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

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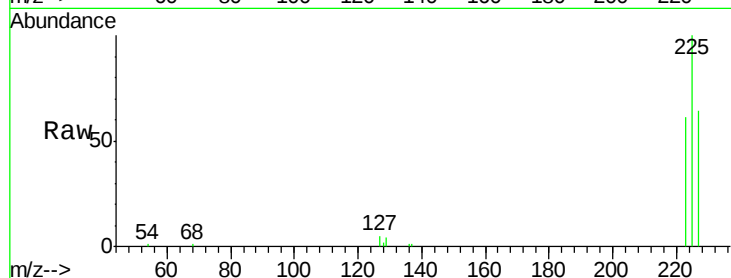
Tot Ion:225 Resp: 11317

Ion Ratio Lower Upper

225 100

223 62.9 50.7 76.1

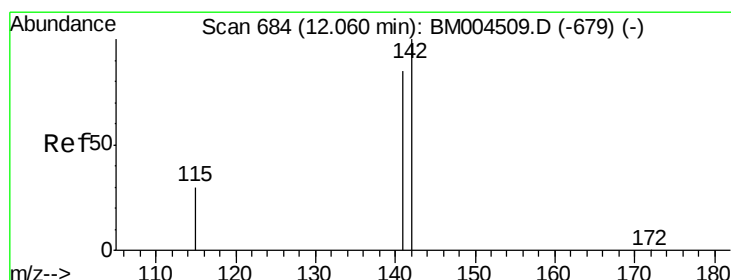
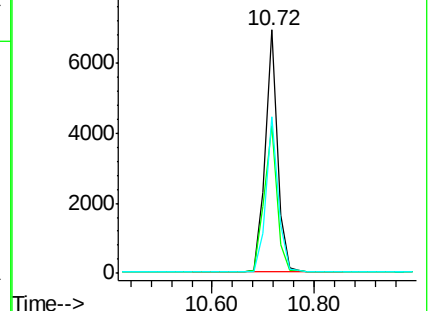
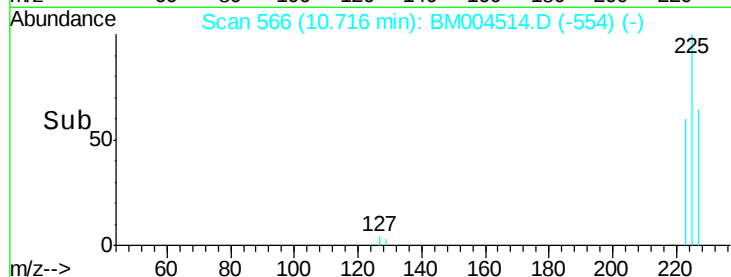
227 63.6 51.1 76.7



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#12

2-Methylnaphthalene

Concen: 4.14 ng

RT: 12.06 min Scan# 684

Delta R.T. -0.02 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

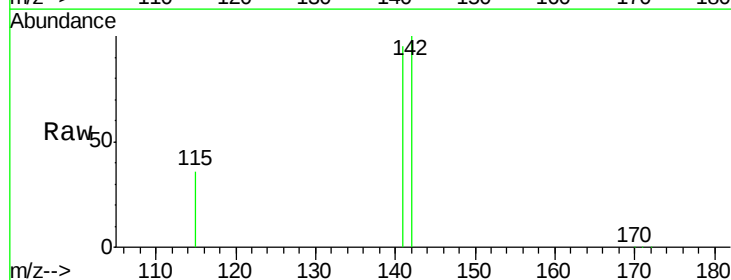
Tgt Ion:142 Resp: 44576

Ion Ratio Lower Upper

142 100

141 94.8 68.5 102.7

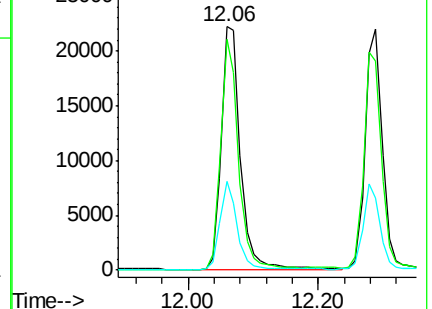
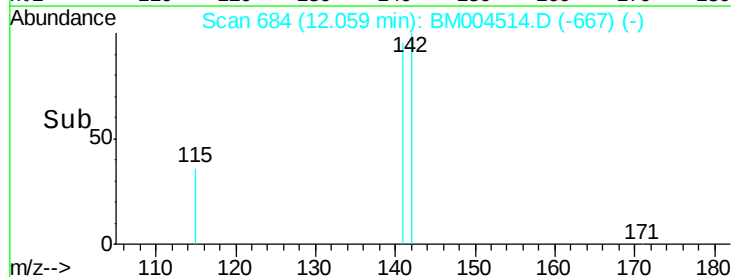
115 36.4 24.6 36.8

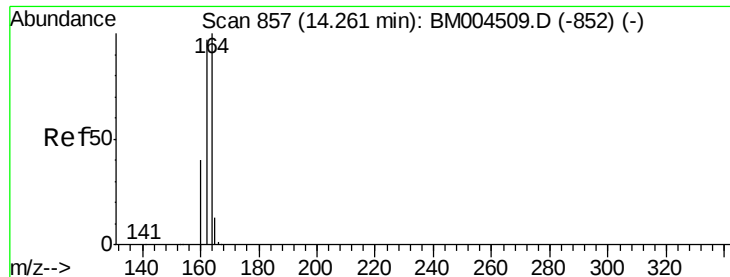


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 857

Delta R.T. -0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

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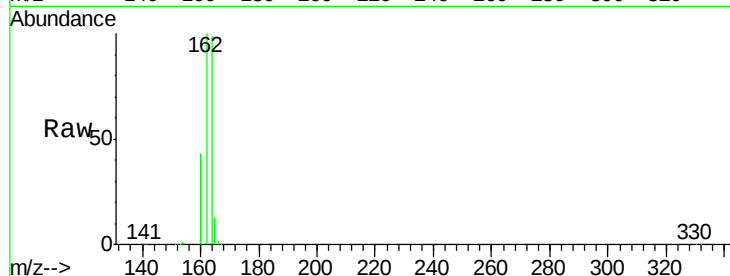
Tot Ion:164 Resp: 38047

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

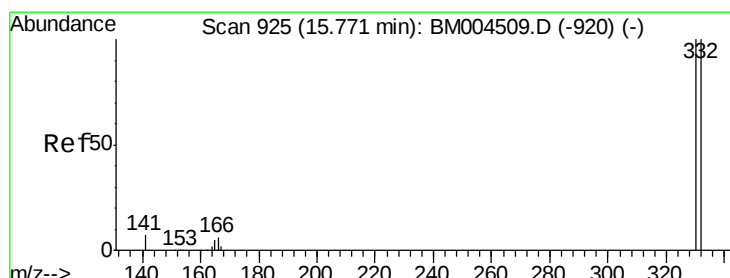
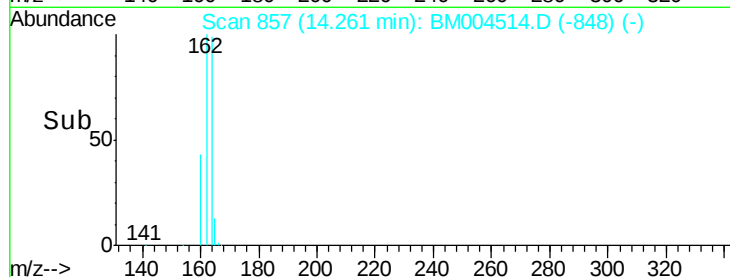
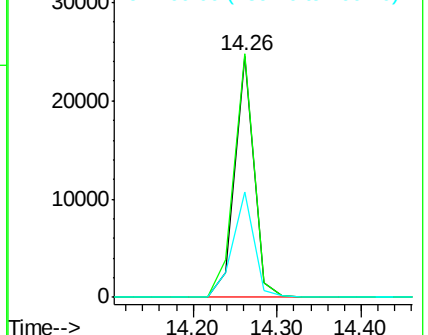
160 43.4 34.9 52.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 6.86 ng

RT: 15.77 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

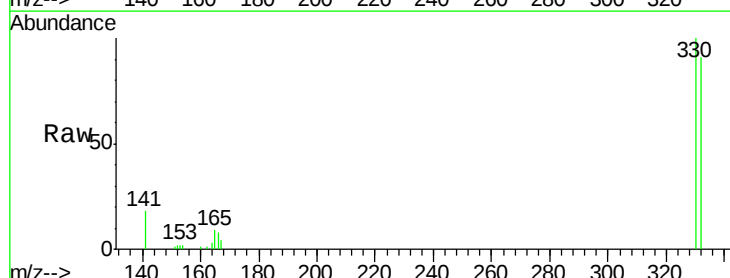
Tgt Ion:330 Resp: 9554

Ion Ratio Lower Upper

330 100

332 95.1 76.6 114.8

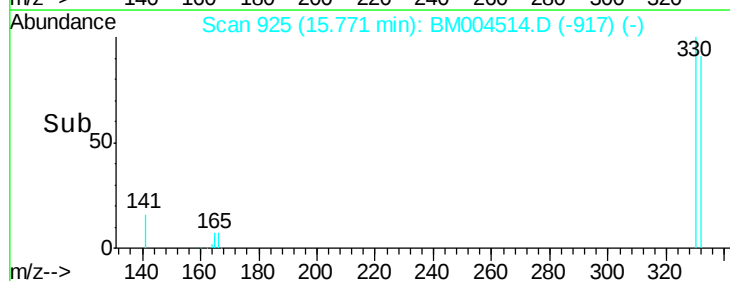
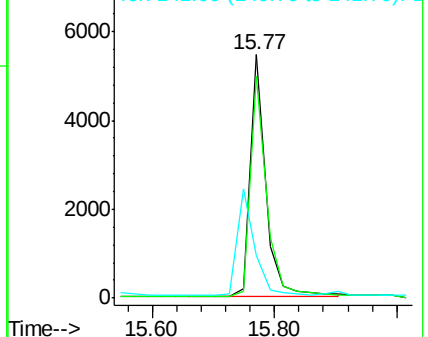
141 0.0 0.0 0.0

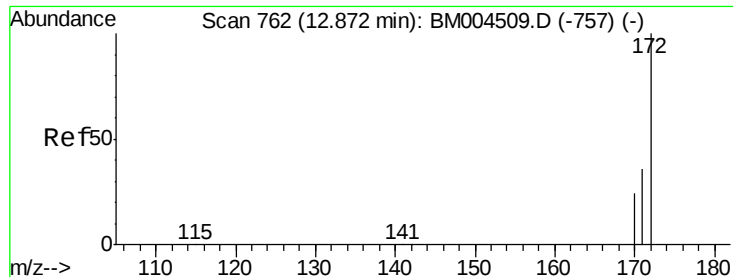


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

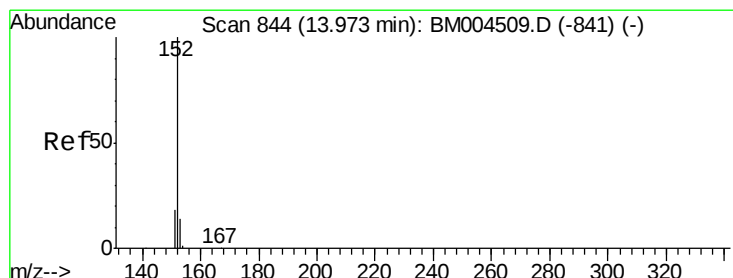
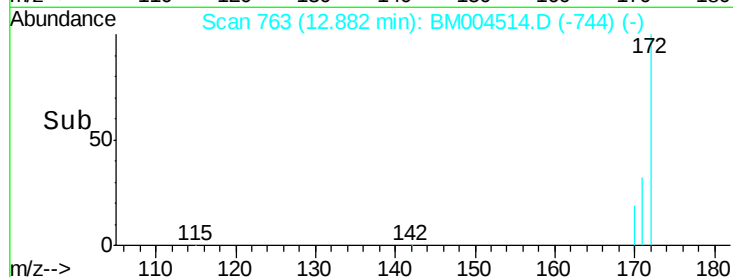
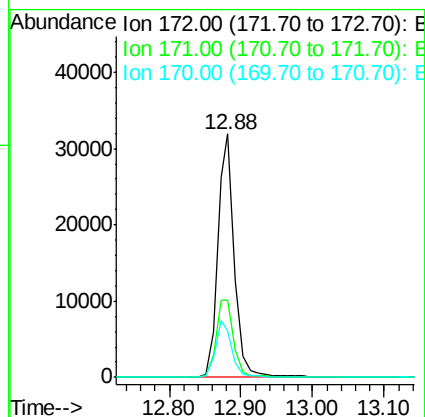
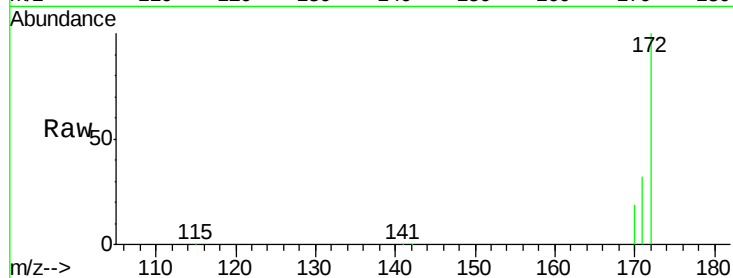




#15
2-Fluorobiphenyl
Concen: 4.33 ng
RT: 12.88 min Scan# 763
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

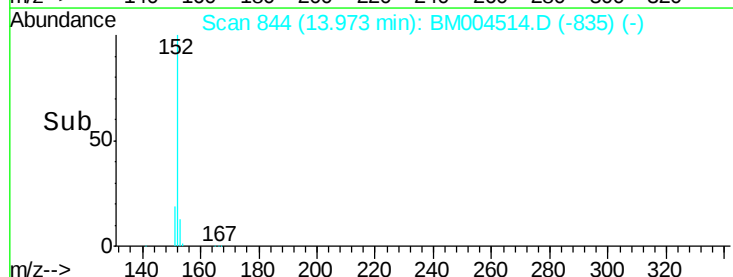
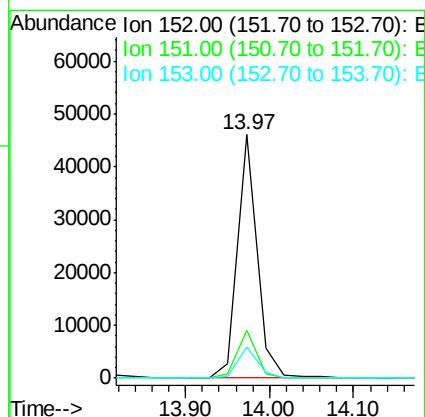
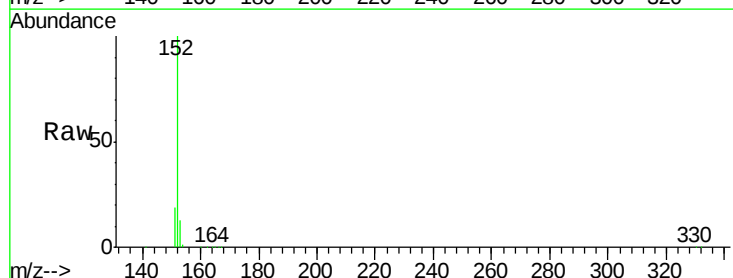
Instrument :
BNA_M
ClientSampleId :
PB88423BS

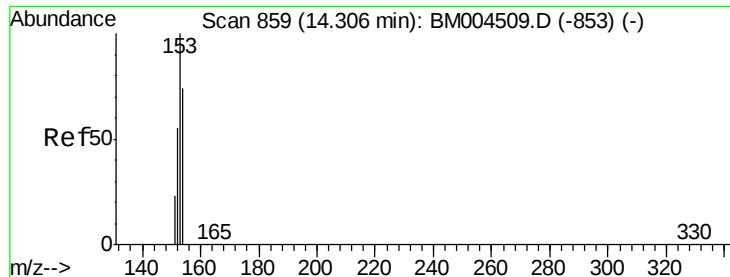
Tot Ion:172 Resp: 51323
Ion Ratio Lower Upper
172 100
171 31.8 29.5 44.3
170 18.9 20.2 30.2#



#16
Acenaphthylene
Concen: 3.87 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:152 Resp: 73659
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 13.0 10.2 15.4

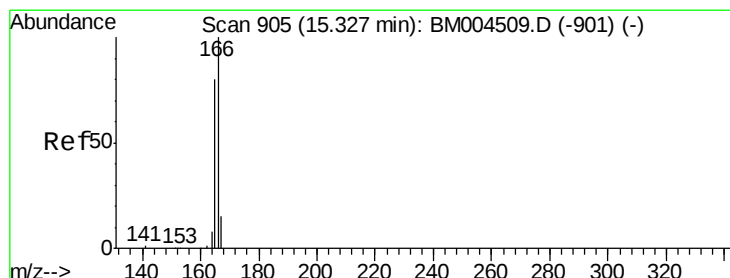
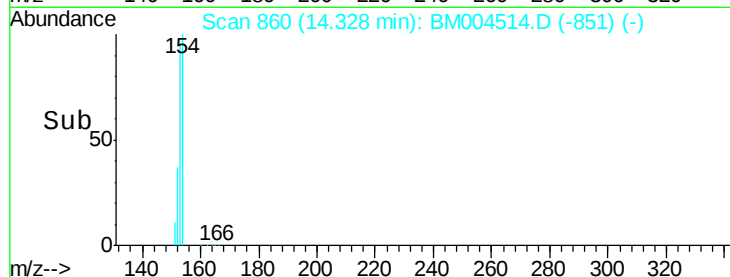
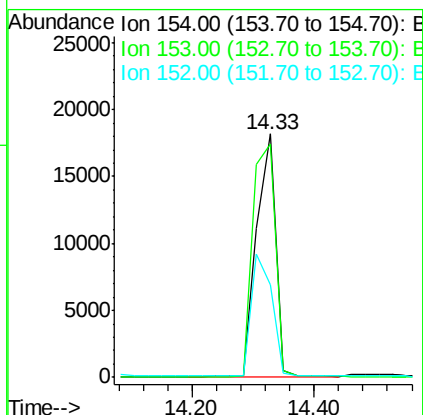
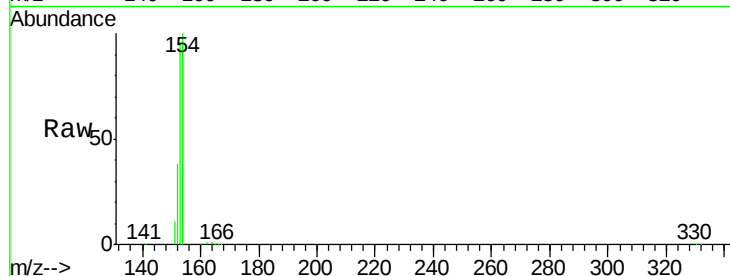




#17
Acenaphthene
Concen: 3.88 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

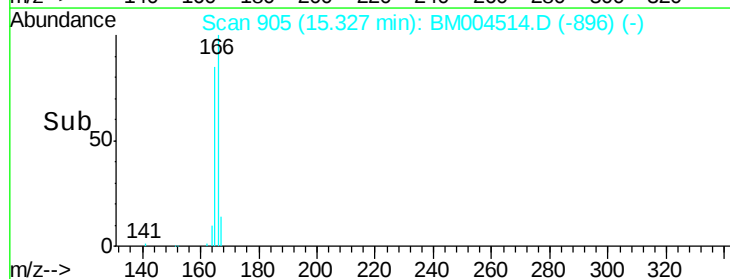
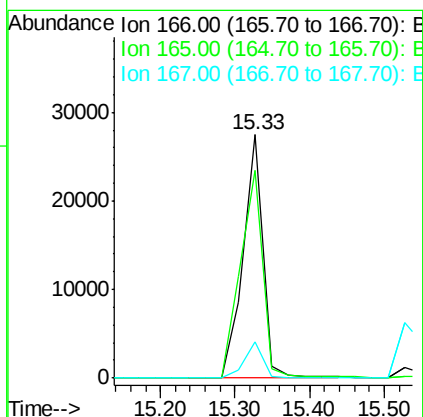
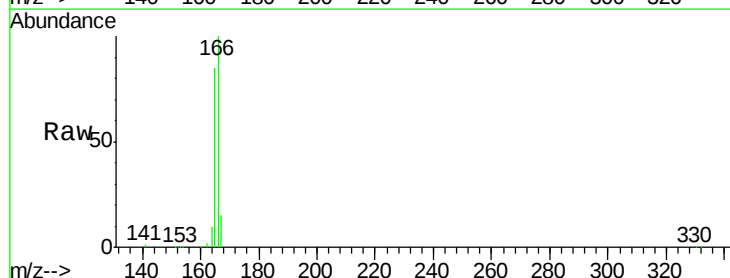
Instrument :
BNA_M
ClientSampleId :
PB88423BS

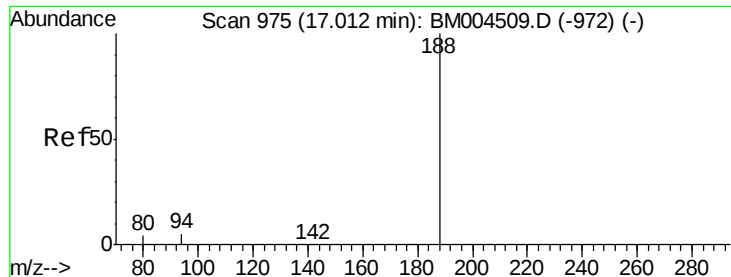
Tot Ion:154 Resp: 40033
Ion Ratio Lower Upper
154 100
153 113.1 88.7 133.1
152 0.0 41.8 62.8#



#18
Fluorene
Concen: 3.97 ng
RT: 15.33 min Scan# 905
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:166 Resp: 50437
Ion Ratio Lower Upper
166 100
165 96.1 77.8 116.6
167 13.6 10.8 16.2

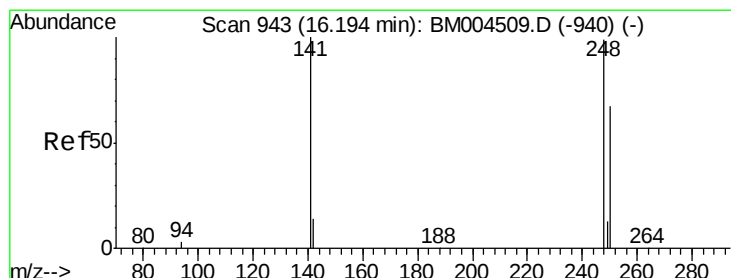
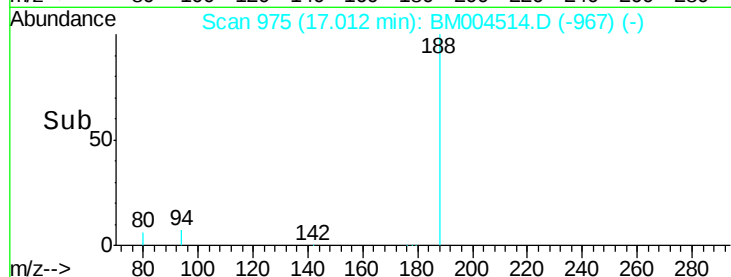
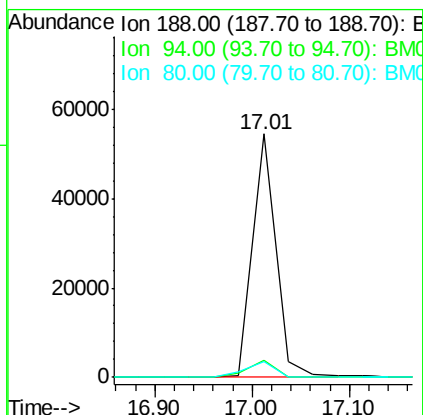
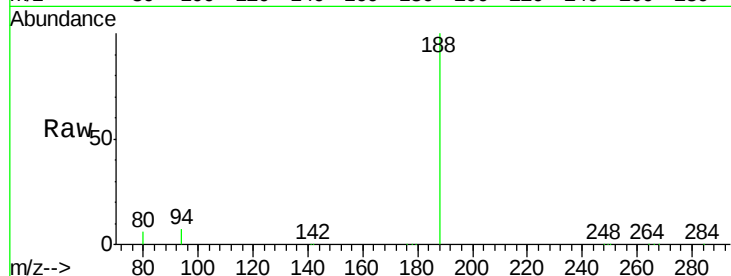




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 975
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

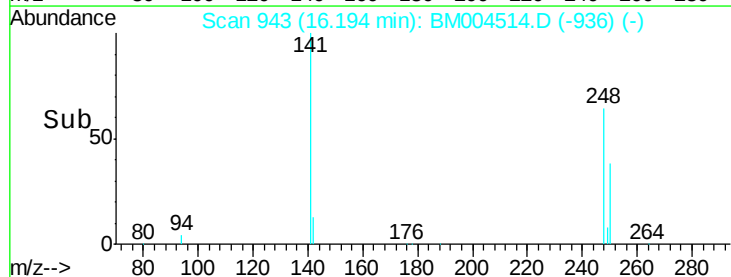
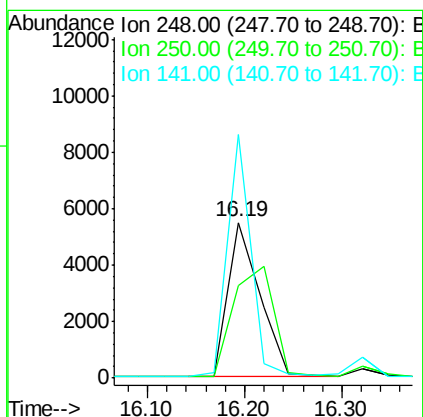
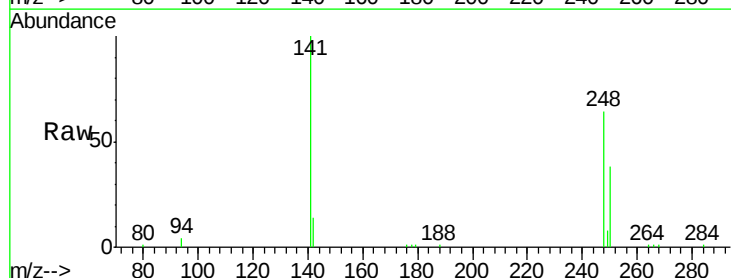
Instrument :
BNA_M
ClientSampleId :
PB88423BS

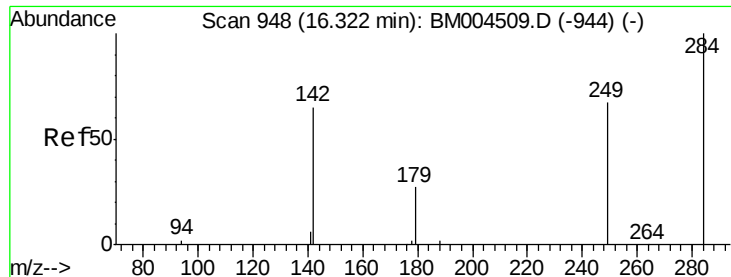
Tot Ion:188 Resp: 90711
Ion Ratio Lower Upper
188 100
94 7.2 6.3 9.5
80 6.5 5.9 8.9



#20
4-Bromophenyl-phenylether
Concen: 3.42 ng
RT: 16.19 min Scan# 943
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:248 Resp: 12447
Ion Ratio Lower Upper
248 100
250 0.0 85.8 128.8#
141 113.8 0.0 0.0#

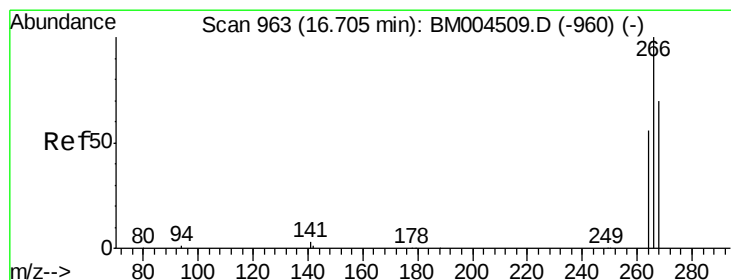
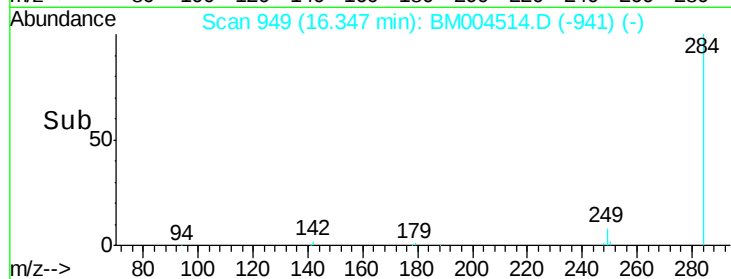
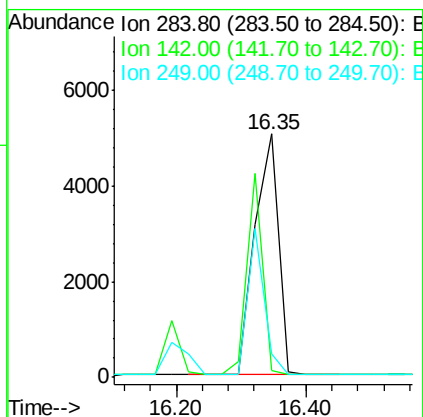
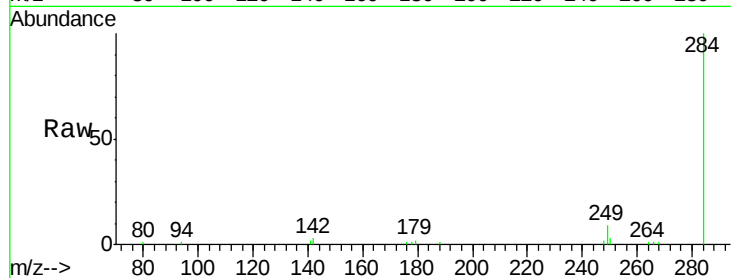




#21
Hexachlorobenzene
Concen: 3.88 ng
RT: 16.35 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

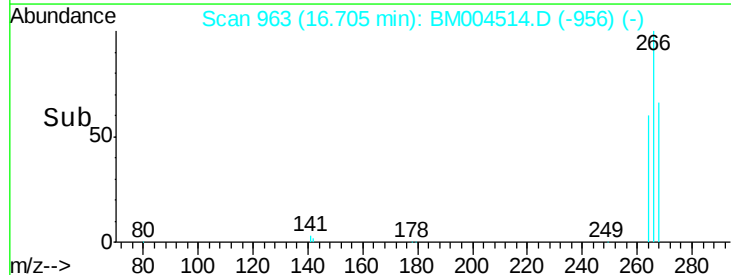
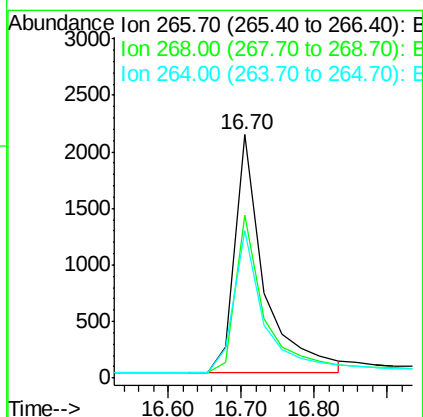
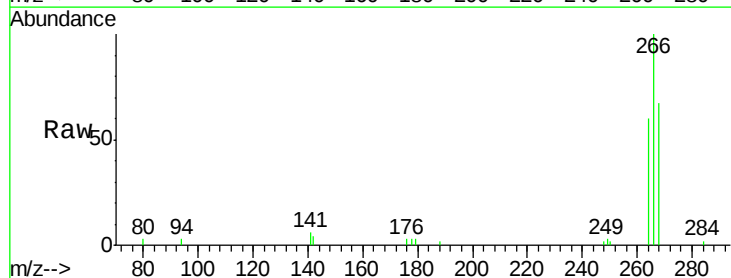
Instrument :
BNA_M
ClientSampleId :
PB88423BS

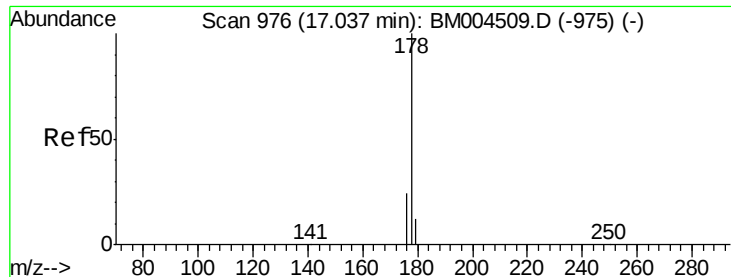
Tot Ion:284 Resp: 12733
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 7.12 ng
RT: 16.70 min Scan# 963
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:266 Resp: 5856
Ion Ratio Lower Upper
266 100
268 67.0 63.0 94.6
264 60.5 59.6 89.4





#23

Phenanthrene

Concen: 4.19 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

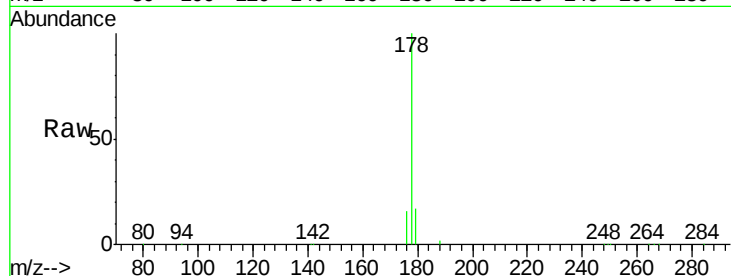
Tot Ion:178 Resp: 74878

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

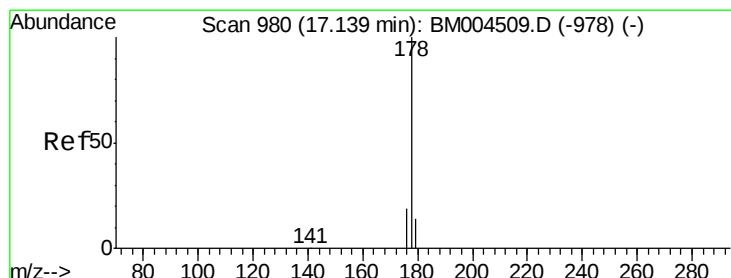
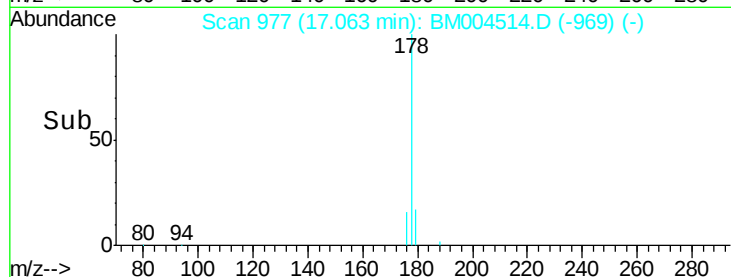
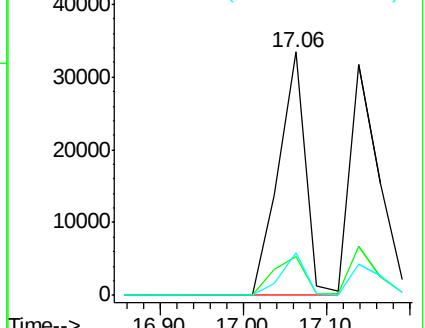
179 15.8 12.8 19.2



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: 3.48 ng

RT: 17.14 min Scan# 980

Delta R.T. -0.03 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

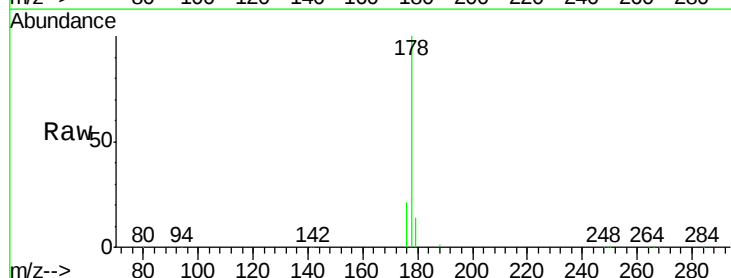
Tgt Ion:178 Resp: 75324

Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

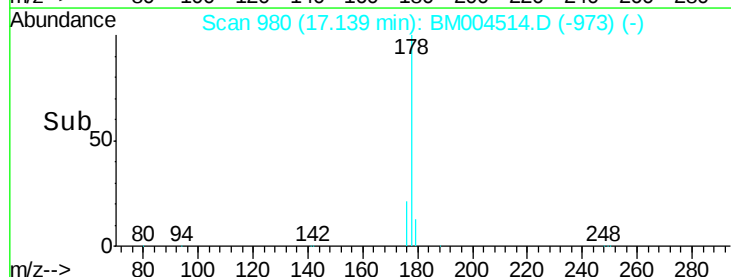
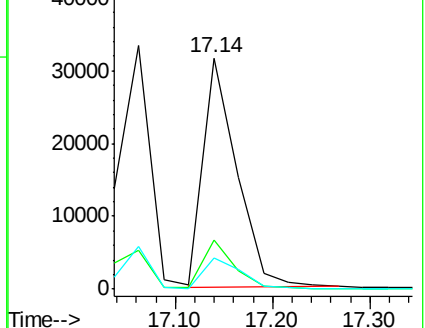
179 14.7 12.2 18.4

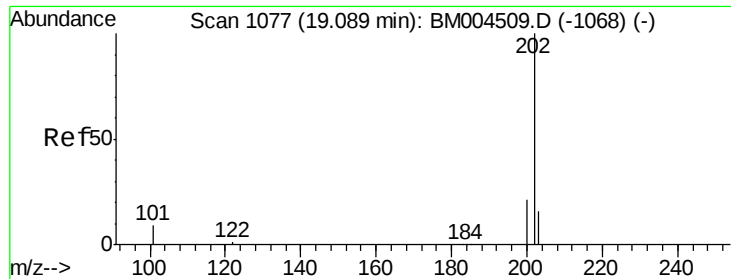


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

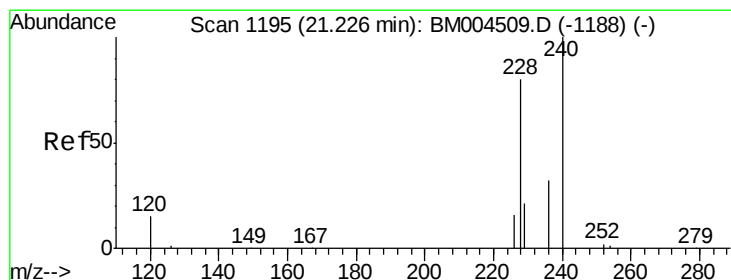
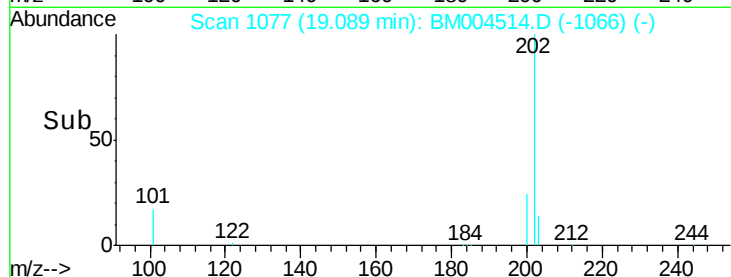
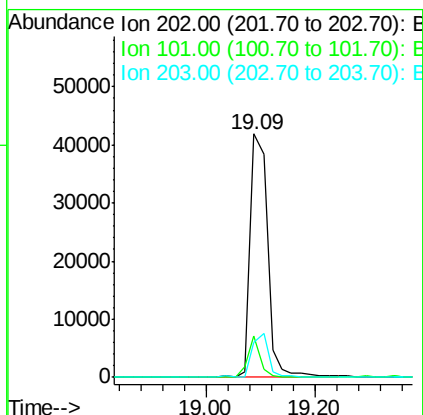
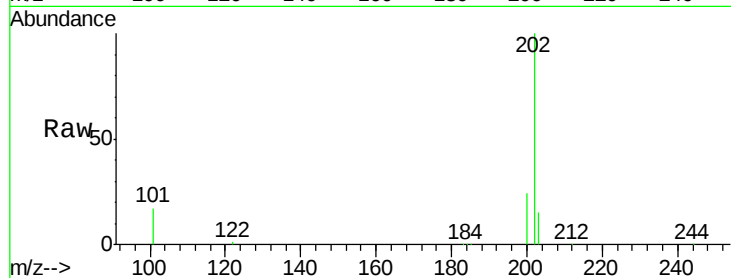




#25
 Fluoranthene
 Concen: 3.95 ng
 RT: 19.09 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: BM004514.D
 Acq: 02 Mar 2016 11:30

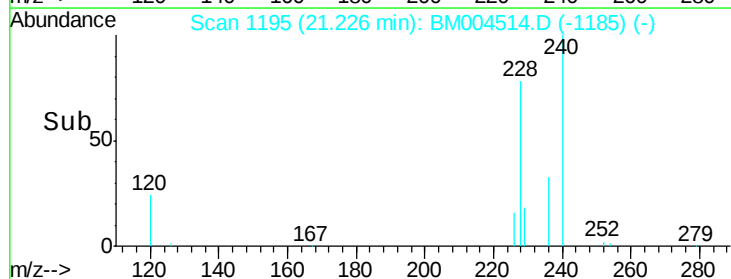
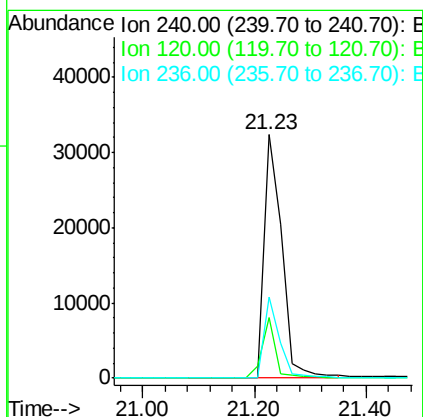
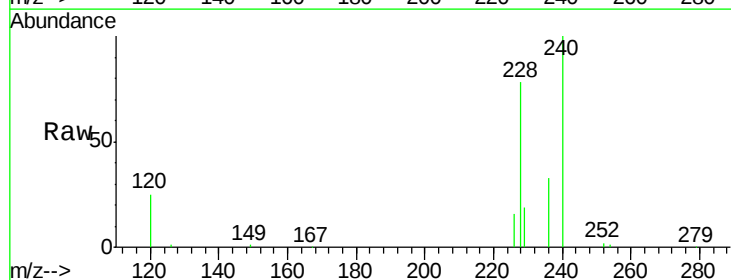
Instrument :
 BNA_M
 ClientSampleId :
 PB88423BS

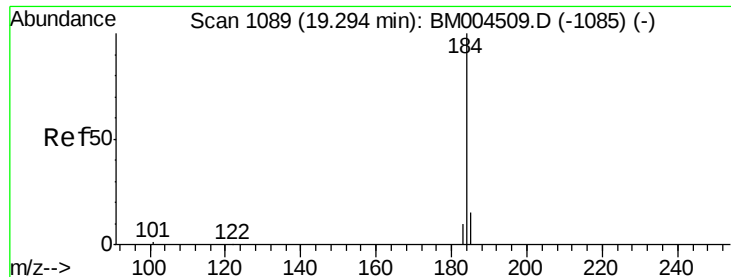
Tot Ion:202 Resp: 92286
 Ion Ratio Lower Upper
 202 100
 101 12.3 9.8 14.8
 203 17.3 13.8 20.8



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.23 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BM004514.D
 Acq: 02 Mar 2016 11:30

Tgt Ion:240 Resp: 70029
 Ion Ratio Lower Upper
 240 100
 120 24.7 18.9 28.3
 236 33.4 26.4 39.6





#27

Benzidine

Concen: 7.42 ng

RT: 19.29 min Scan# 1089

Delta R.T. -0.03 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

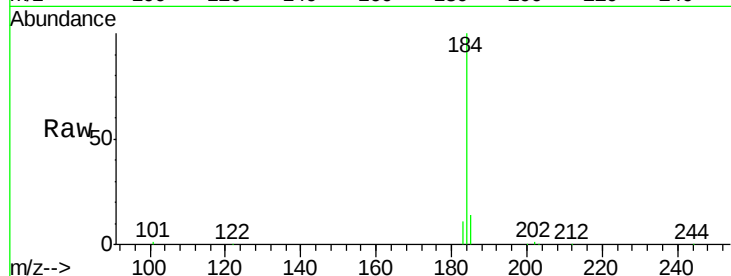
Tot Ion:184 Resp: 68224

Ion Ratio Lower Upper

184 100

185 14.4 15.0 22.4#

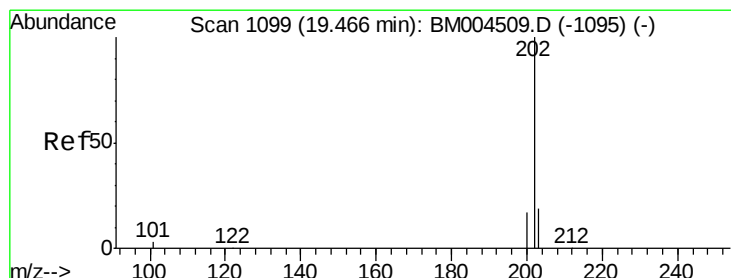
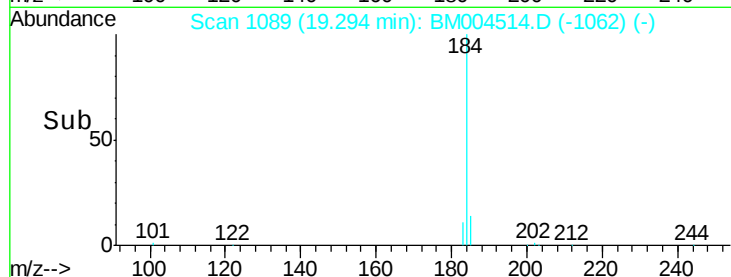
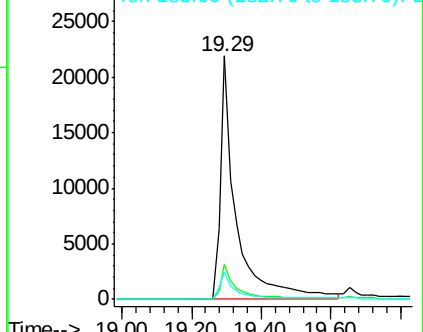
183 11.2 12.6 19.0#



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



#28

Pyrene

Concen: 4.12 ng

RT: 19.47 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

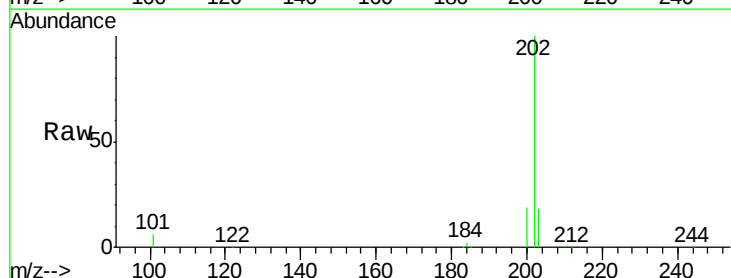
Tgt Ion:202 Resp: 97607

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

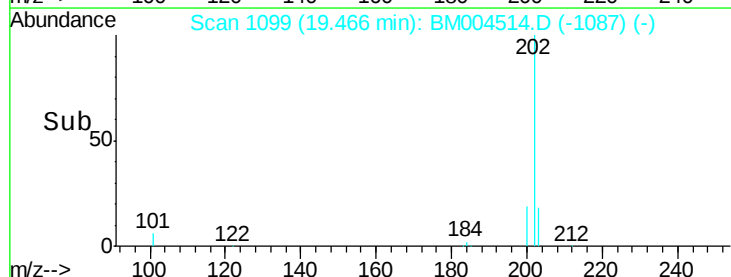
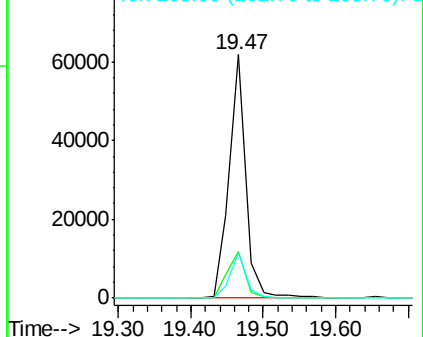
203 18.0 13.7 20.5

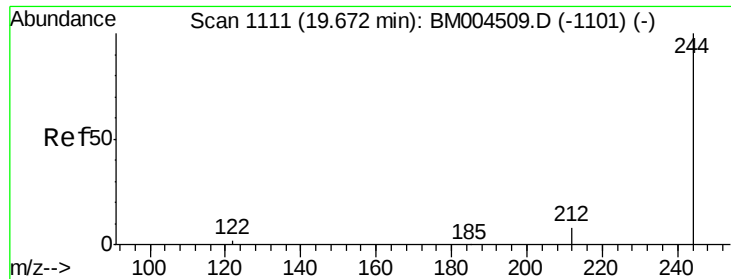


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.99 ng

RT: 19.67 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

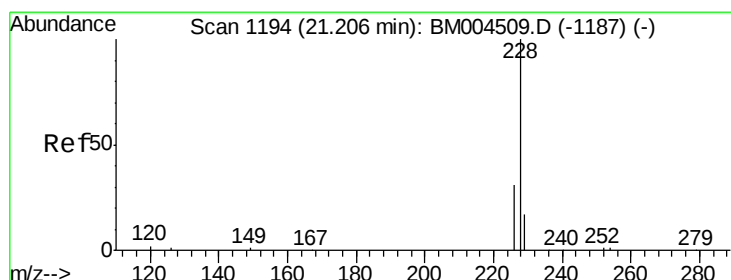
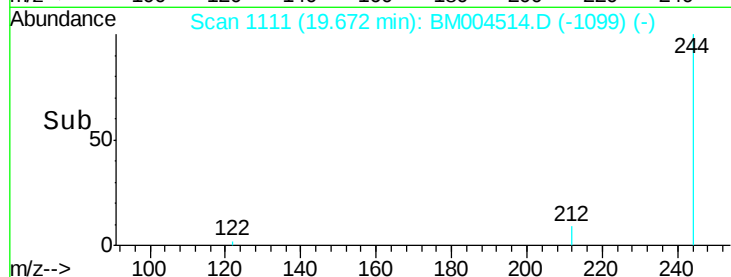
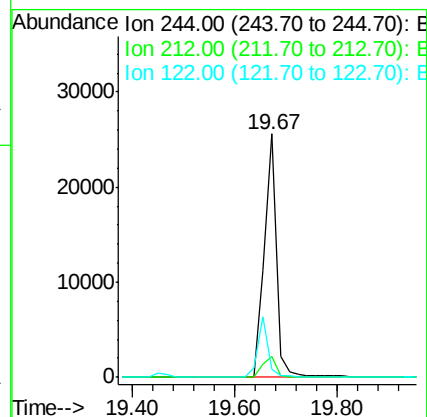
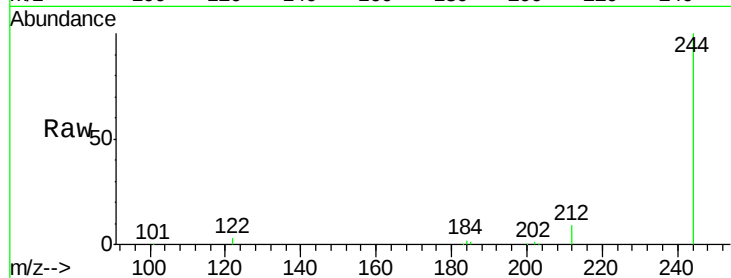
Tot Ion:244 Resp: 41681

Ion Ratio Lower Upper

244 100

212 8.7 7.8 11.6

122 3.4 7.0 10.4#



#30

Benzo(a)anthracene

Concen: 3.74 ng

RT: 21.21 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

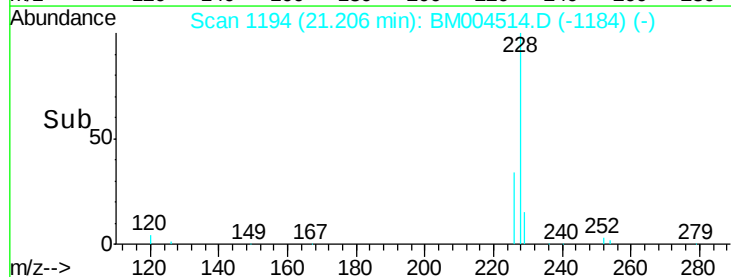
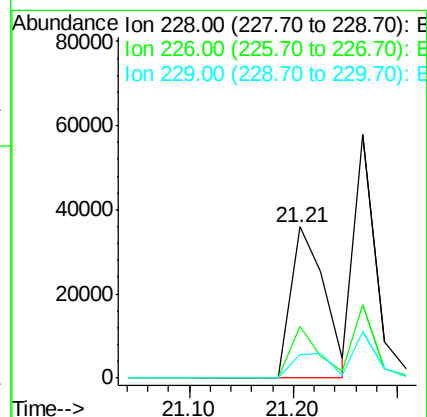
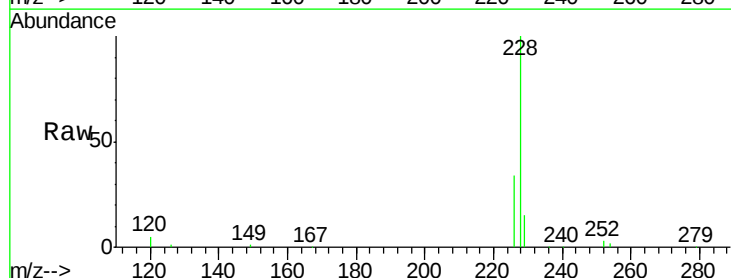
Tgt Ion:228 Resp: 80996

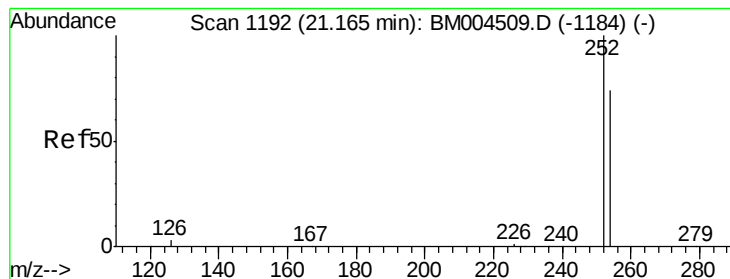
Ion Ratio Lower Upper

228 100

226 34.2 27.0 40.4

229 15.3 13.1 19.7





#31

3,3'-Dichlorobenzidine

Concen: 4.58 ng

RT: 21.16 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

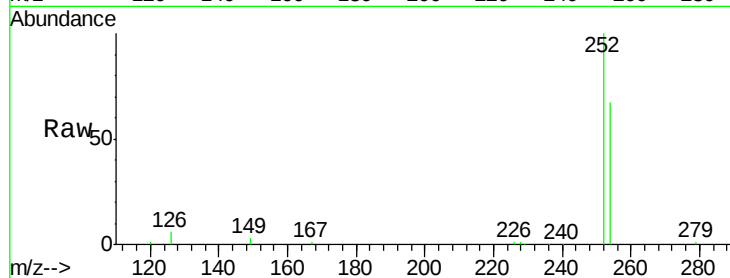
Tot Ion:252 Resp: 30654

Ion Ratio Lower Upper

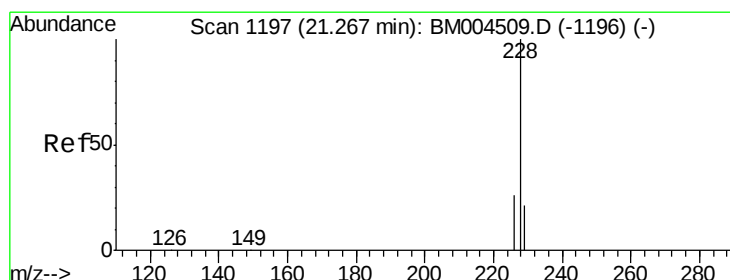
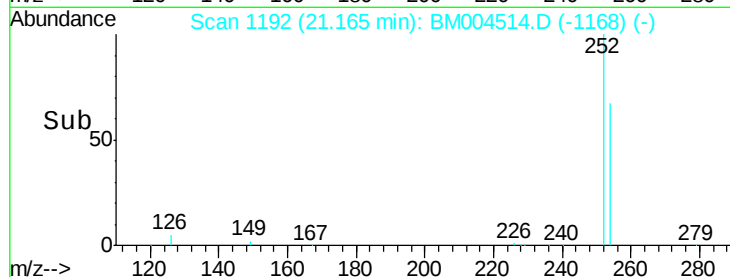
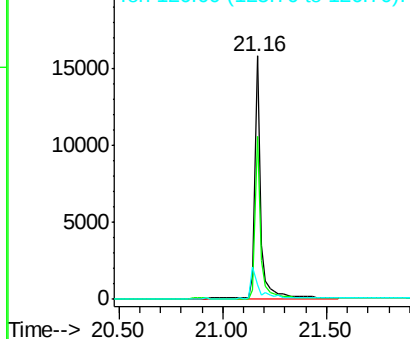
252 100

254 67.0 47.4 71.0

126 5.8 11.0 16.6#



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: 4.20 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

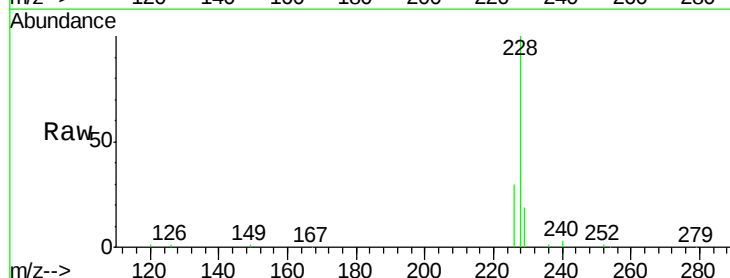
Tgt Ion:228 Resp: 85509

Ion Ratio Lower Upper

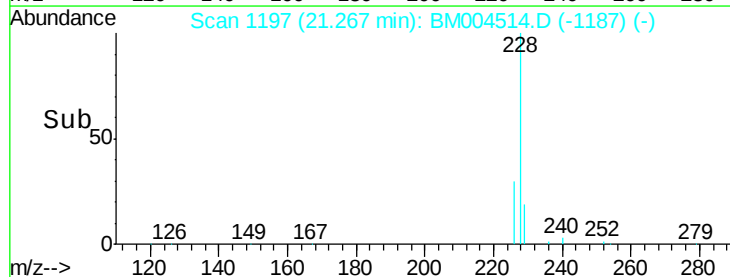
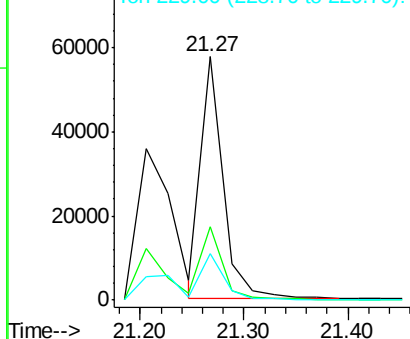
228 100

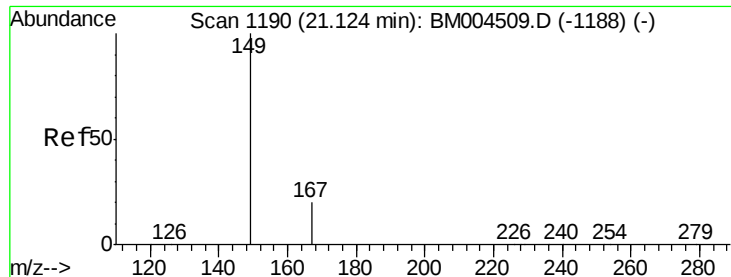
226 30.0 24.6 37.0

229 19.0 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: 3.40 ng

RT: 21.12 min Scan# 1190

Delta R.T. -0.00 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

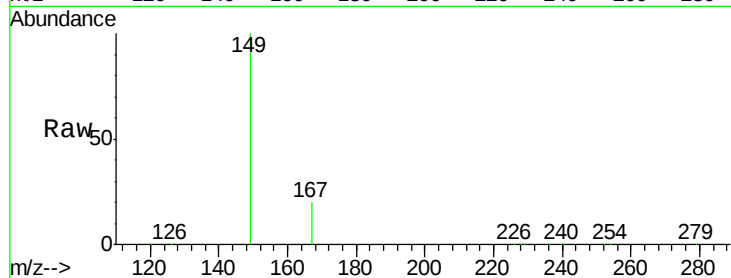
Tot Ion:149 Resp: 47772

Ion Ratio Lower Upper

149 100

167 24.6 20.2 30.4

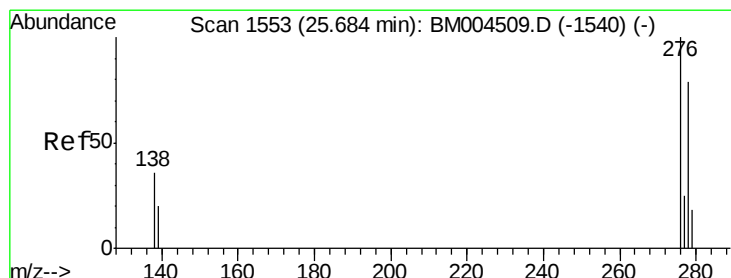
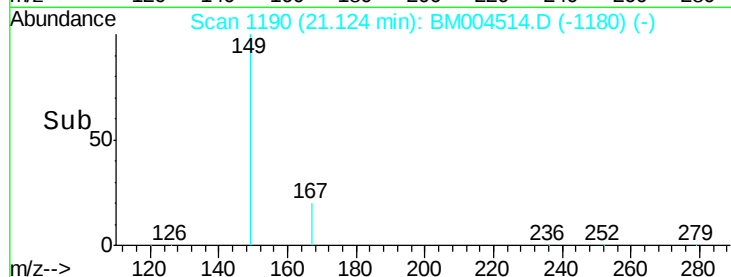
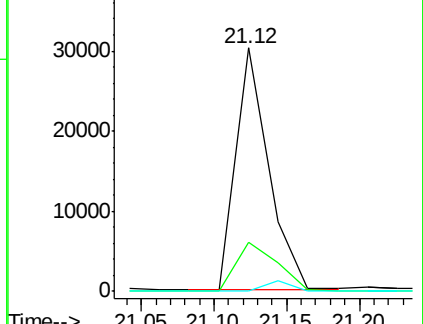
279 0.0 0.0 0.0



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 4.10 ng

RT: 25.69 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

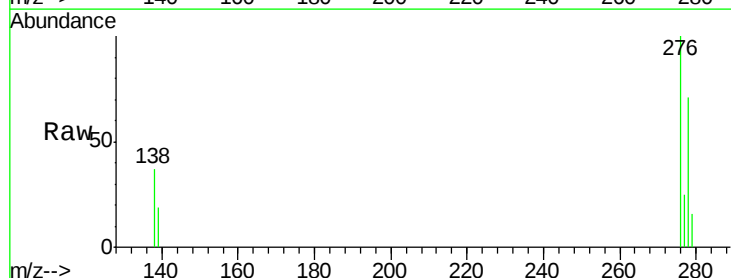
Tgt Ion:276 Resp: 84184

Ion Ratio Lower Upper

276 100

138 39.0 31.0 46.4

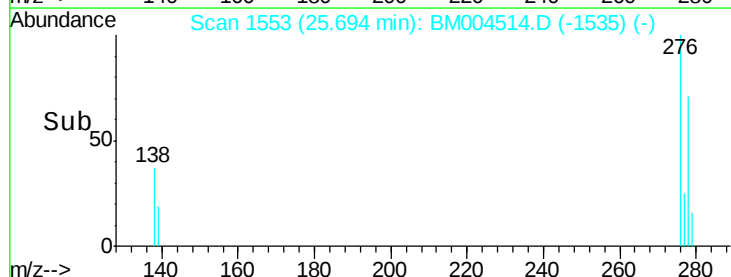
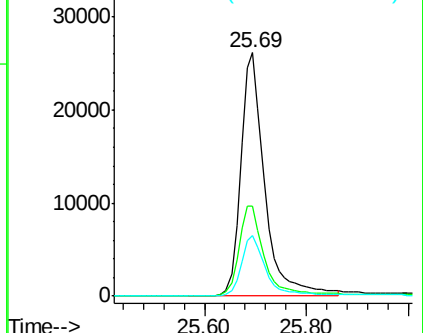
277 24.9 19.9 29.9

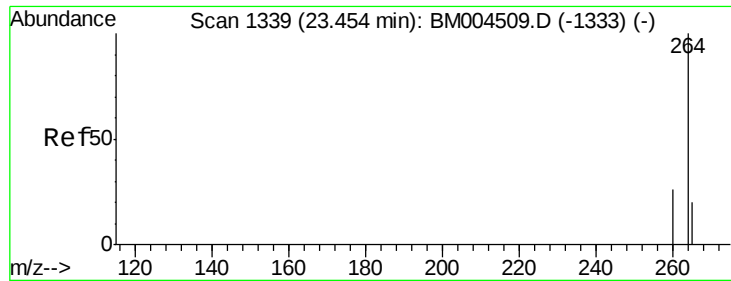


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

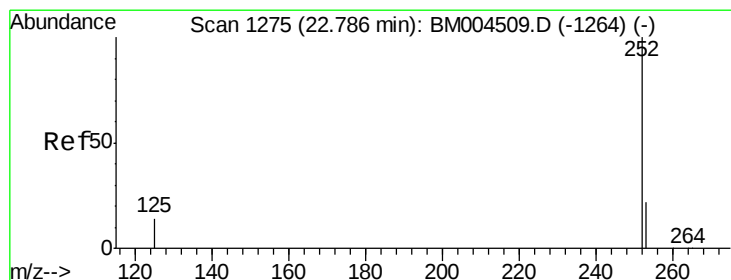
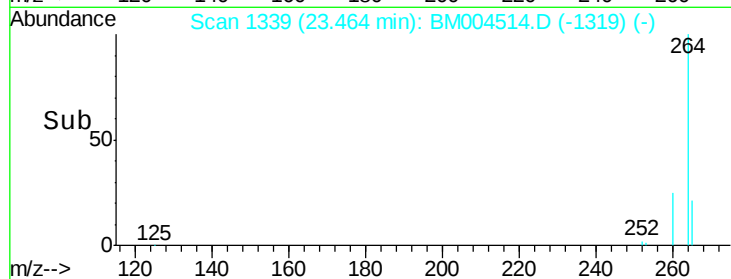
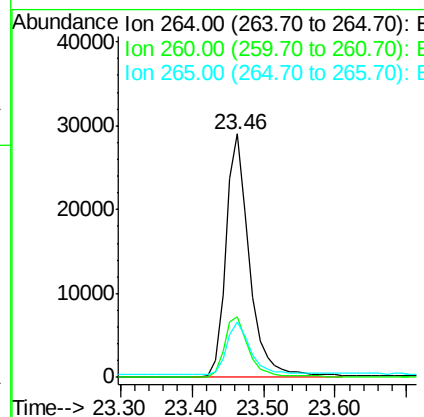
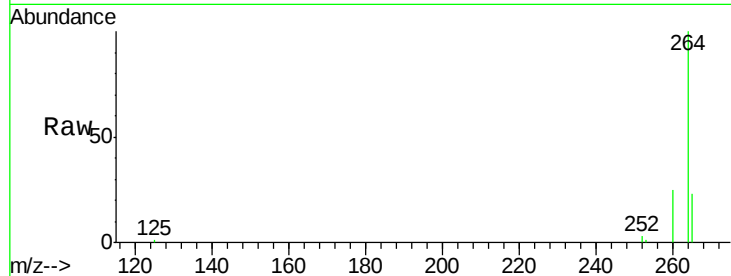




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.46 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: BM004514.D
 Acq: 02 Mar 2016 11:30

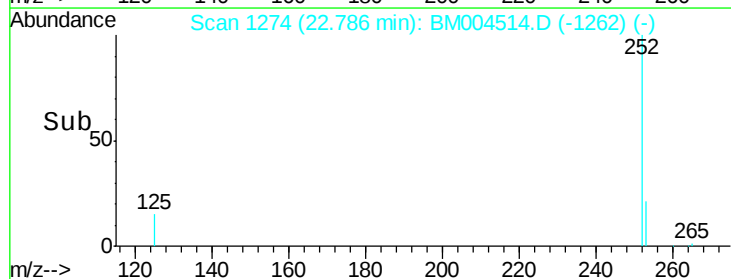
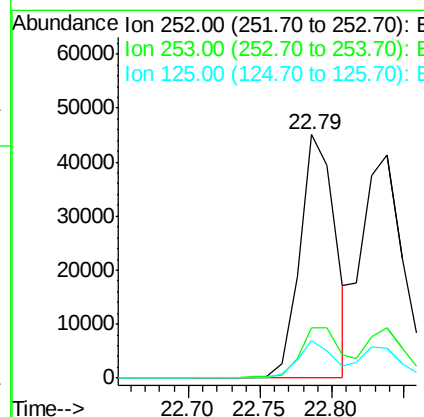
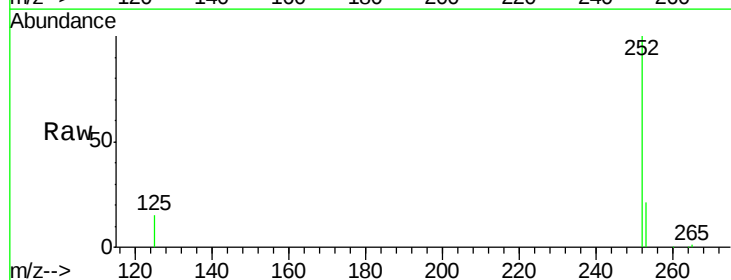
Instrument :
 BNA_M
 ClientSampleId :
 PB88423BS

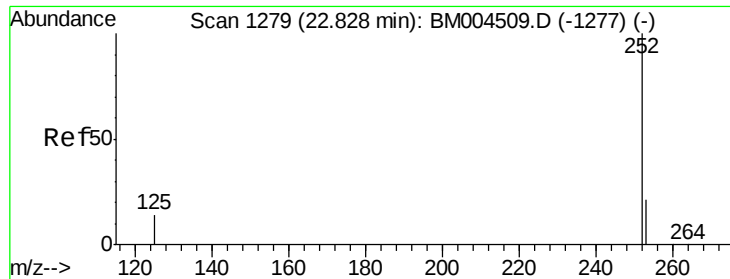
Tot Ion:264 Resp: 66058
 Ion Ratio Lower Upper
 264 100
 260 25.1 21.2 31.8
 265 22.8 17.4 26.0



#36
 Benzo(b)fluoranthene
 Concen: 4.21 ng
 RT: 22.79 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BM004514.D
 Acq: 02 Mar 2016 11:30

Tgt Ion:252 Resp: 85003
 Ion Ratio Lower Upper
 252 100
 253 20.7 19.0 28.4
 125 15.2 11.7 17.5

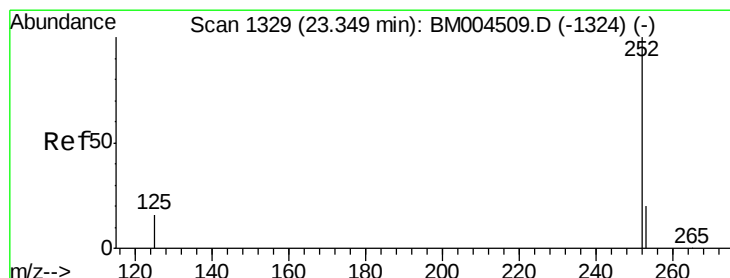
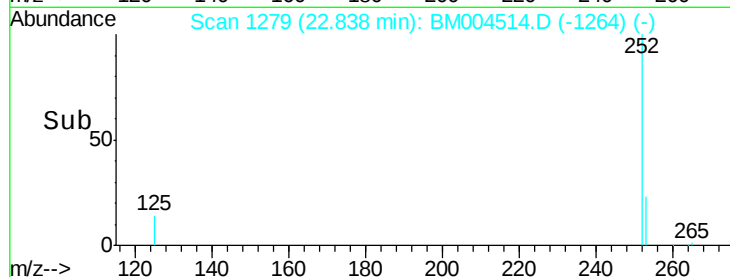
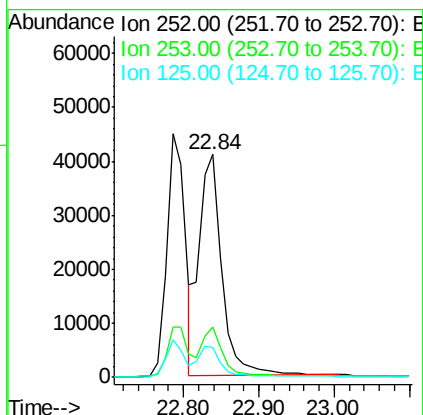
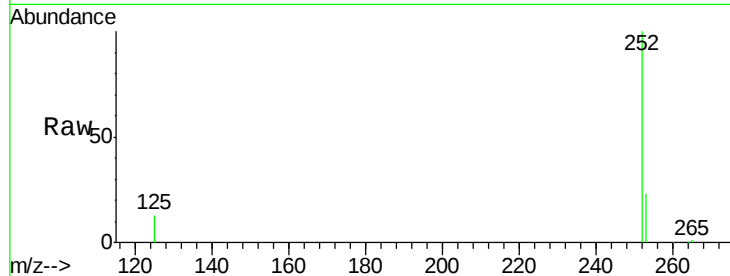




#37
Benzo(k)fluoranthene
Concen: 4.25 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

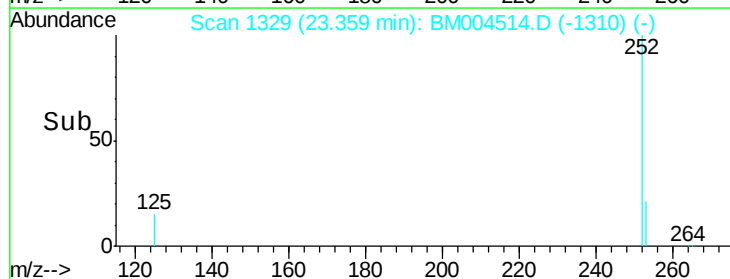
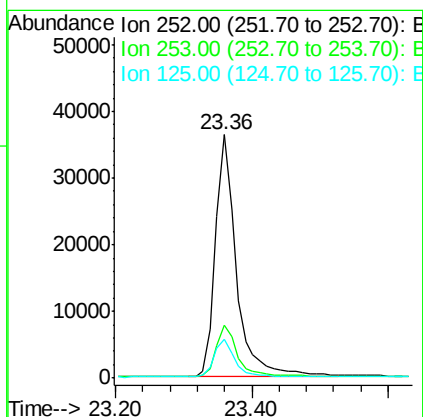
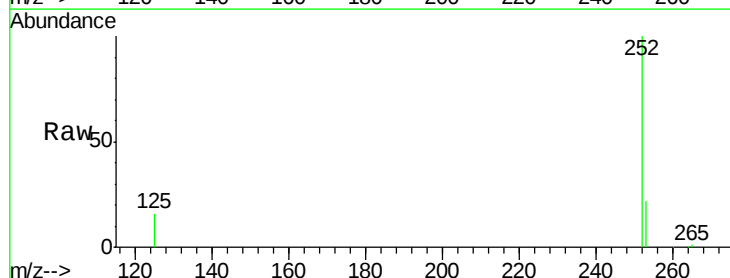
Instrument :
BNA_M
ClientSampleId :
PB88423BS

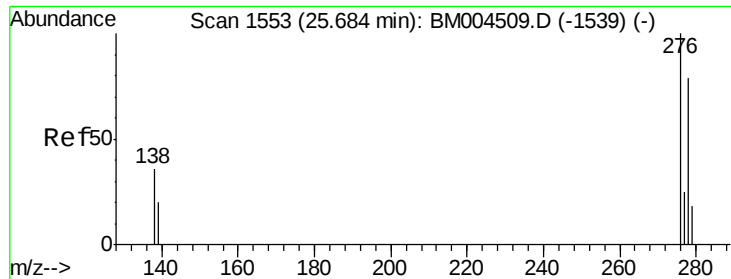
Tot Ion:252 Resp: 85921
Ion Ratio Lower Upper
252 100
253 22.8 18.9 28.3
125 13.5 11.9 17.9



#38
Benzo(a)pyrene
Concen: 3.94 ng
RT: 23.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:252 Resp: 77247
Ion Ratio Lower Upper
252 100
253 21.8 19.0 28.6
125 15.7 13.7 20.5





#39

Dibenzo(a,h)anthracene

Concen: 4.10 ng

RT: 25.69 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

Instrument :

BNA_M

ClientSampleId :

PB88423BS

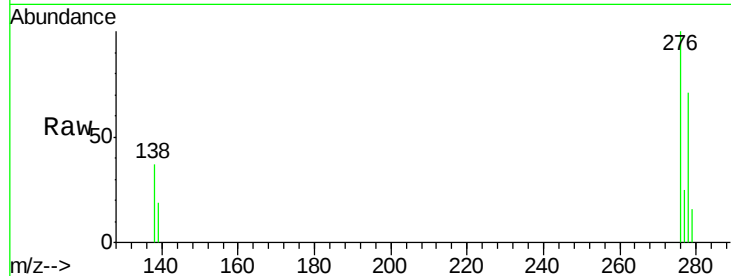
Tot Ion:278 Resp: 66531

Ion Ratio Lower Upper

278 100

139 27.1 22.6 33.8

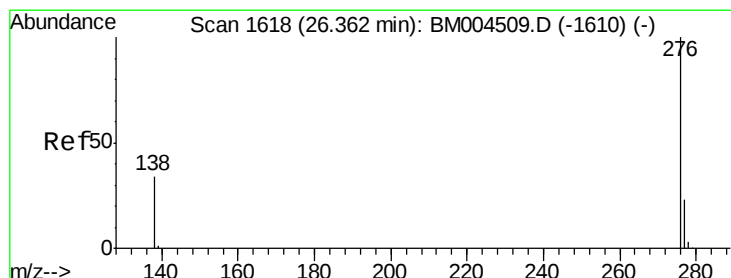
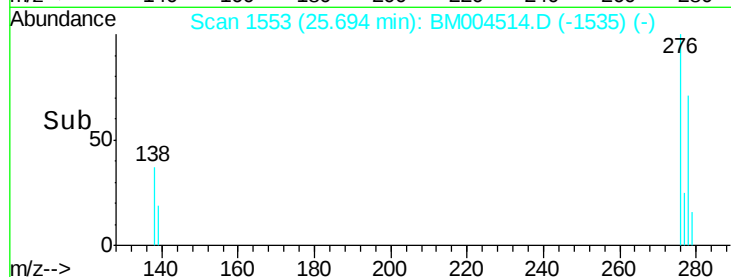
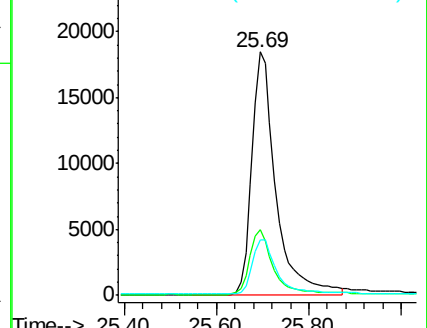
279 23.0 20.1 30.1



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 3.96 ng

RT: 26.38 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BM004514.D

Acq: 02 Mar 2016 11:30

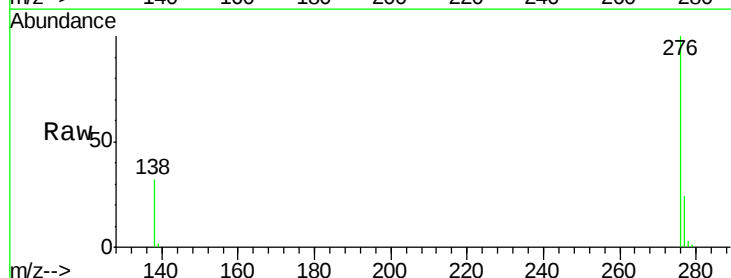
Tgt Ion:276 Resp: 72868

Ion Ratio Lower Upper

276 100

277 23.7 19.8 29.8

138 32.4 26.6 40.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

