

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111615\
 Data File : BM003138.D
 Acq On : 16 Nov 2015 12:06
 Operator : UM/IZ
 Sample : G4259-04RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 16 18:34:19 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 10:29:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	168025	5.00	ng	-0.02
7) Naphthalene-d8	10.53	136	675001	5.00	ng	-0.01
13) Acenaphthene-d10	14.39	164	310908	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	583708	5.00	ng	-0.03
26) Chrysene-d12	21.33	240	623198	5.00	ng	-0.01
35) Perylene-d12	23.59	264	498238	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	181248	5.10	ng	-0.02
5) Phenol-d6	6.90	99	139503	3.36	ng	-0.02
8) Nitrobenzene-d5	8.90	82	260834	8.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	159447	19.80	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	801848	8.18	ng	-0.02
29) Terphenyl-d14	19.77	244	699377	7.79	ng	0.00

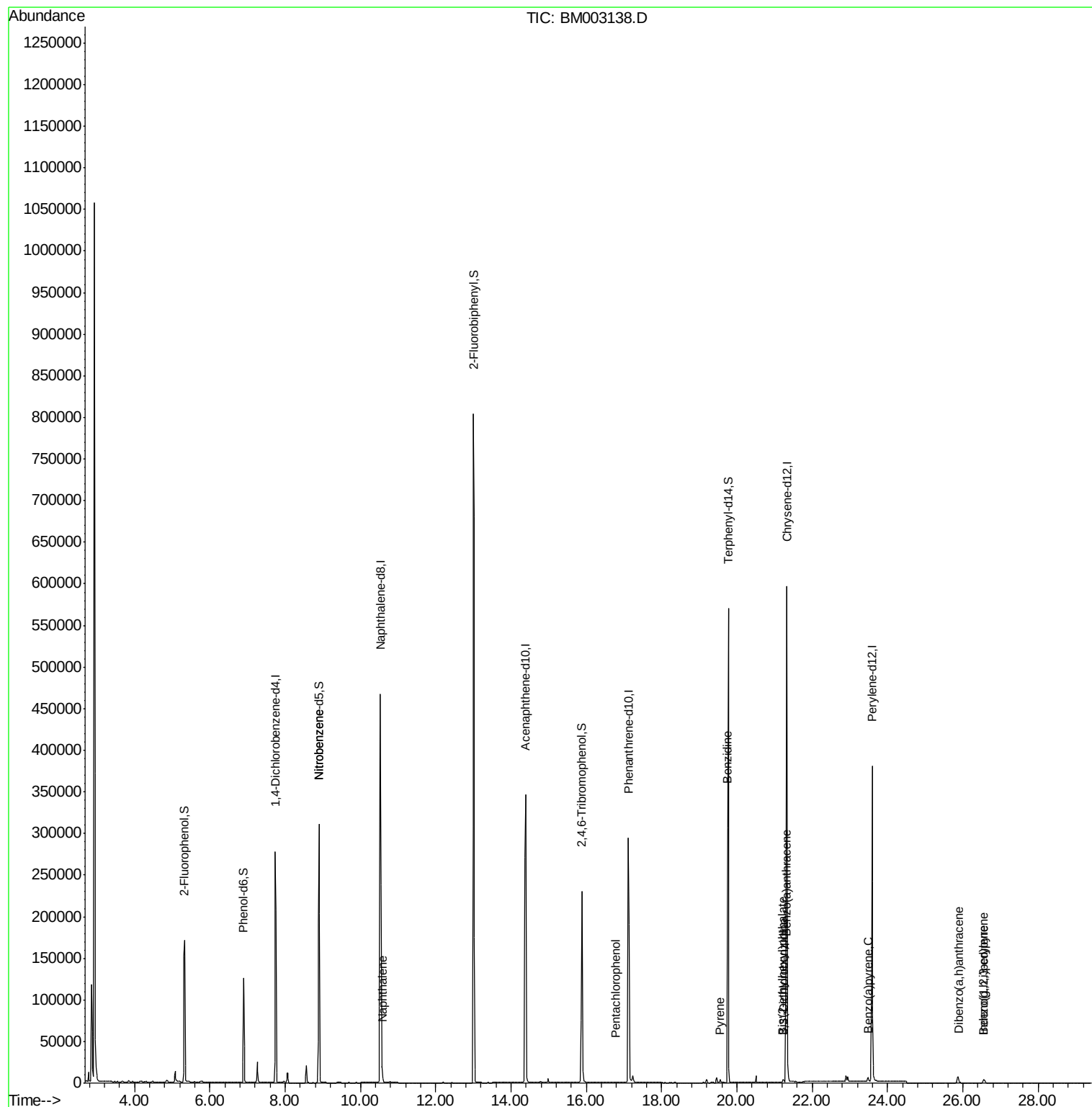
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	255	Below Cal	#	27
9) Nitrobenzene	8.90	77	875	0.03	ng	21
10) Naphthalene	10.58	128	25134	0.17	ng	98
20) 4-Bromophenyl-phenylether	16.35	248	51	Below Cal	#	54
21) Hexachlorobenzene	16.45	284	21	Below Cal	#	51
22) Pentachlorophenol	16.78	266	140	0.19	ng	79
23) Phenanthrene	17.16	178	2914	Below Cal	#	81
25) Fluoranthene	19.19	202	3559	Below Cal	#	99
27) Benzidine	19.76	184	15929	0.29	ng	95
28) Pyrene	19.55	202	4592	0.03	ng	97
30) Benzo(a)anthracene	21.31	228	19343	0.15	ng	93
31) 3,3'-Dichlorobenzidine	21.25	252	334	0.21	ng	86
32) Chrysene	21.31	228	19394	Below Cal	#	92
33) Bis(2-ethylhexyl)phthalate	21.23	149	5181	0.31	ng	51
34) Indeno(1,2,3-cd)pyrene	26.56	276	7836	0.11	ng	97
38) Benzo(a)pyrene	23.49	252	6975	0.05	ng	84
39) Dibenzo(a,h)anthracene	25.89	278	6679	0.05	ng	93
40) Benzo(g,h,i)perylene	26.56	276	7836	0.06	ng	93

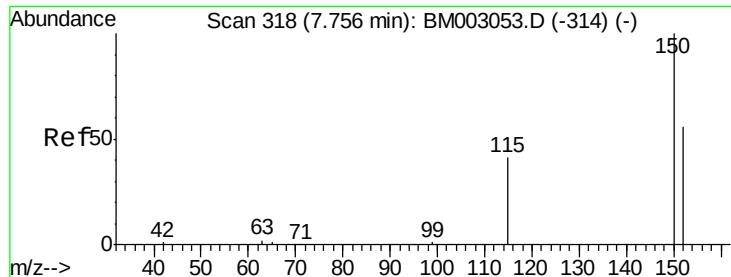
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.74 min Scan# 317

Delta R.T. -0.02 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

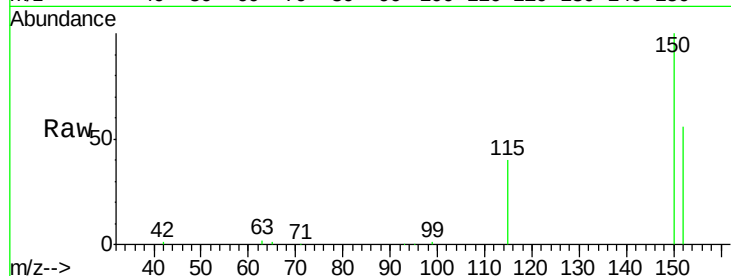
Tot Ion:152 Resp: 168025

Ion Ratio Lower Upper

152 100

150 178.2 143.6 215.4

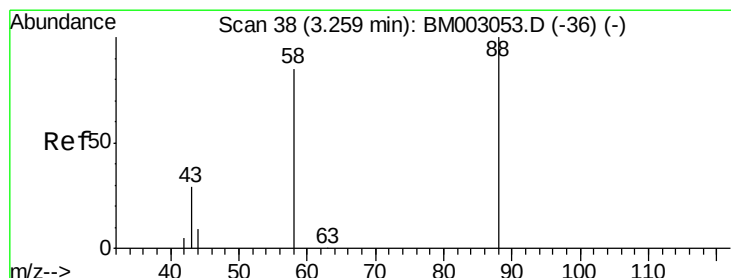
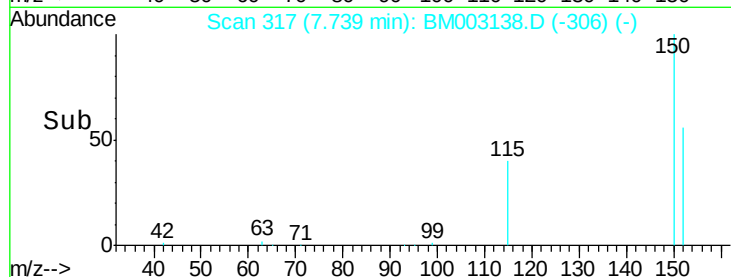
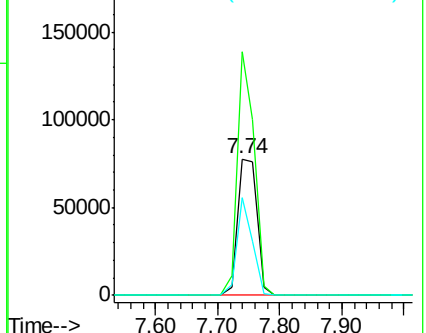
115 71.9 58.5 87.7



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: Below Cal

RT: 3.24 min Scan# 37

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

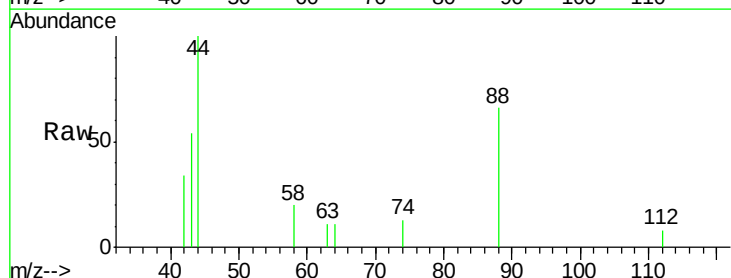
Tgt Ion: 88 Resp: 255

Ion Ratio Lower Upper

88 100

58 31.8 55.2 82.8#

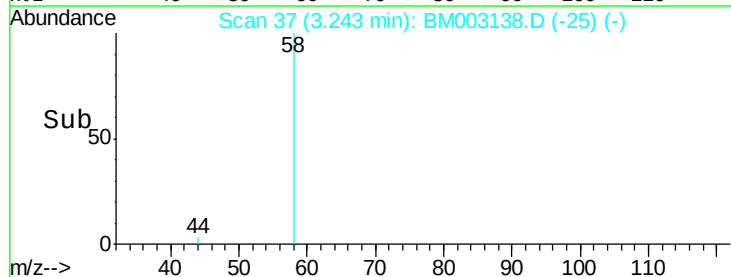
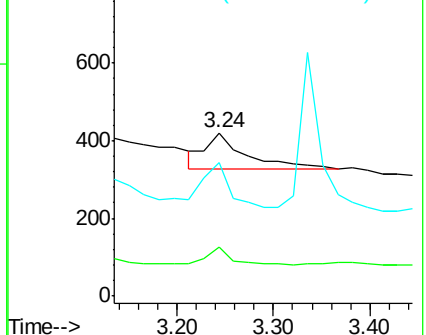
43 100.8 21.8 32.6#

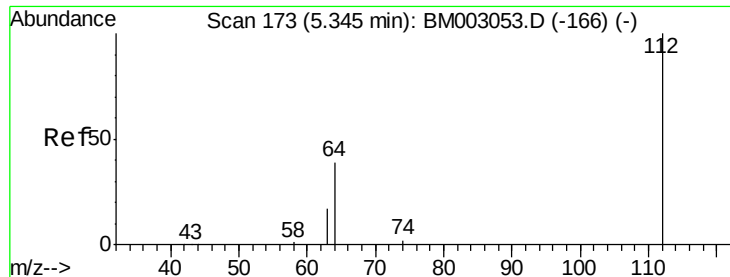


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#4

2-Fluorophenol

Concen: 5.10 ng

RT: 5.33 min Scan# 172

Delta R.T. -0.02 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

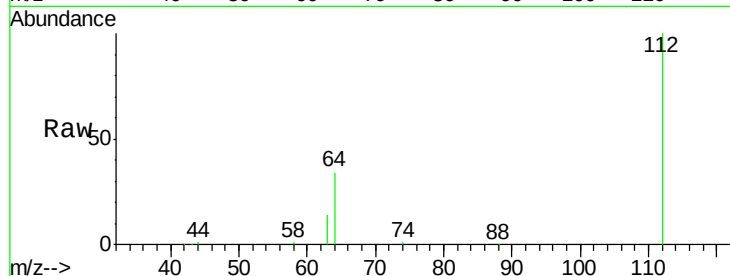
Tot Ion:112 Resp: 181248

Ion Ratio Lower Upper

112 100

64 51.1 41.2 61.8

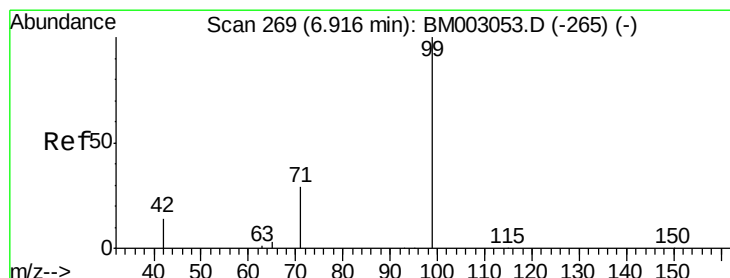
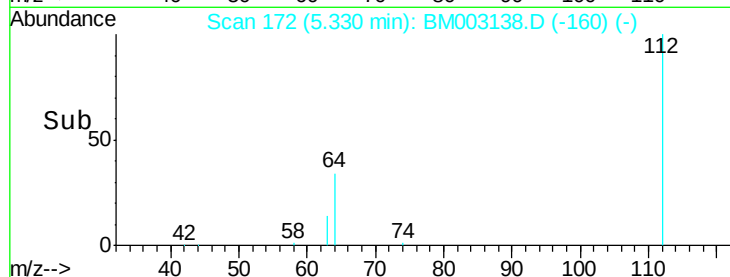
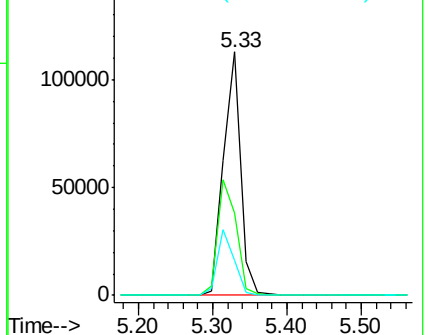
63 26.6 21.2 31.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#5

Phenol-d6

Concen: 3.36 ng

RT: 6.90 min Scan# 268

Delta R.T. -0.02 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

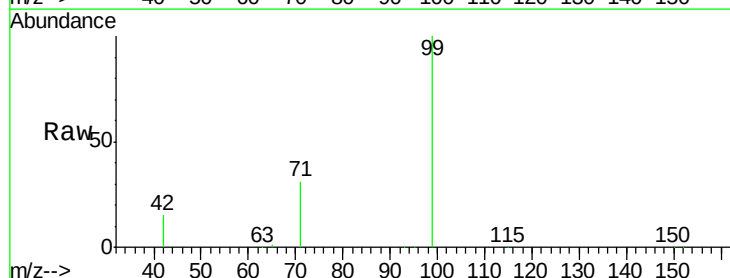
Tgt Ion: 99 Resp: 139503

Ion Ratio Lower Upper

99 100

42 16.9 14.6 22.0

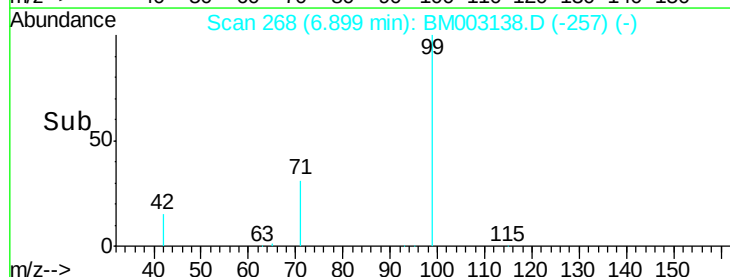
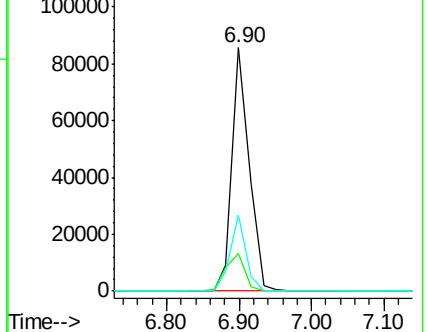
71 29.1 23.3 34.9

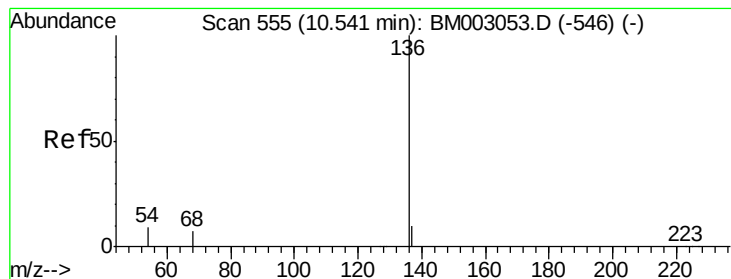


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.53 min Scan# 555

Delta R.T. -0.01 min

Lab File: BM003138.D

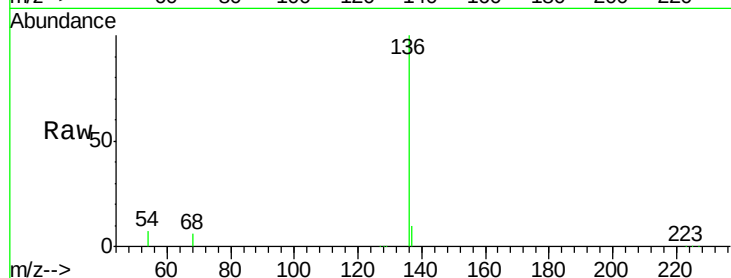
Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampled :

Tot Ion:136	Resp:	675001
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.0 12.0
54	7.1	7.4 11.0#
68	5.8	5.8 8.6

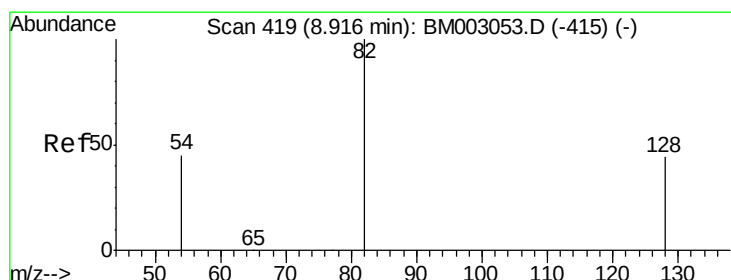
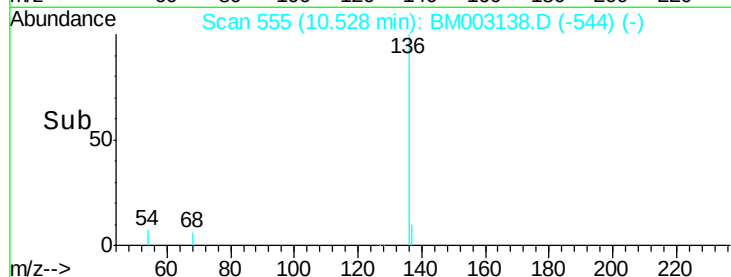
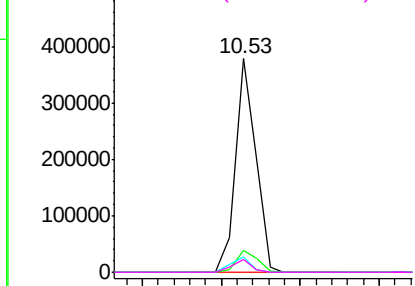


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.38 ng

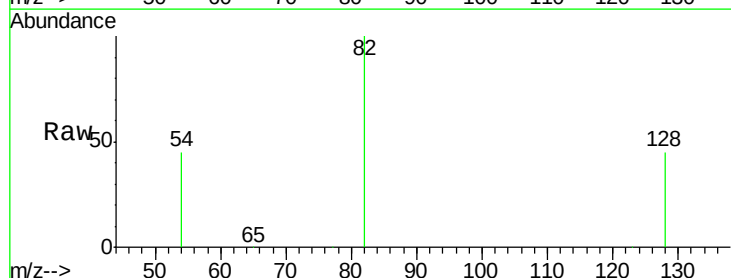
RT: 8.90 min Scan# 418

Delta R.T. -0.02 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

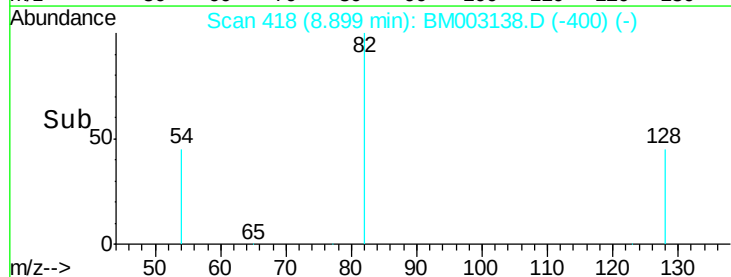
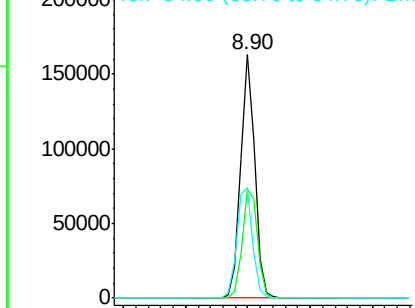
Tgt Ion: 82	Resp:	260834
Ion Ratio	Lower	Upper
82	100	
128	44.8	35.2 52.8
54	45.4	36.4 54.6

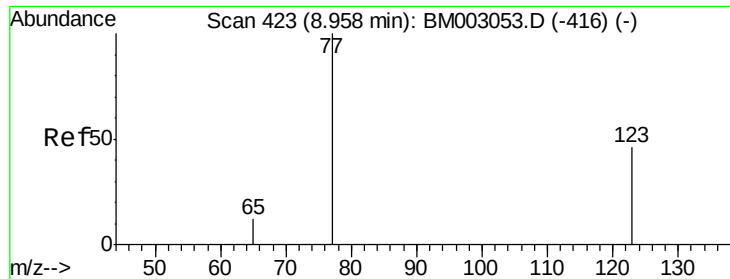


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.03 ng

RT: 8.90 min Scan# 418

Delta R.T. -0.06 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

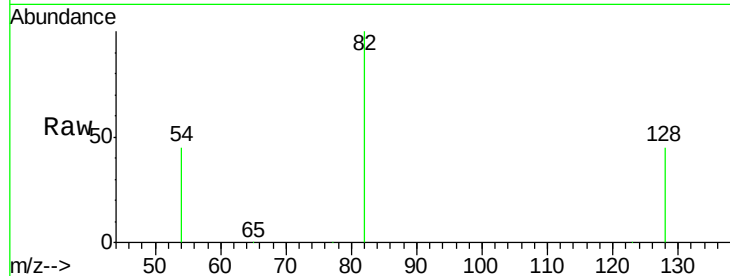
Tot Ion: 77 Resp: 875

Ion Ratio Lower Upper

77 100

123 0.0 37.7 56.5#

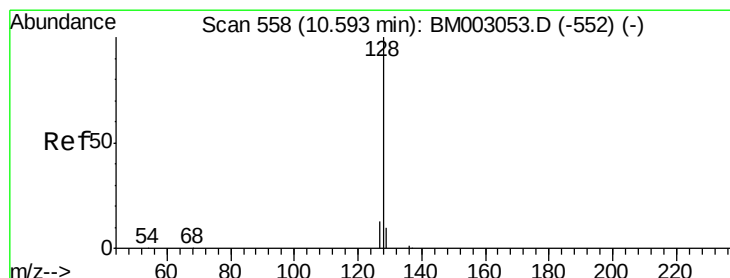
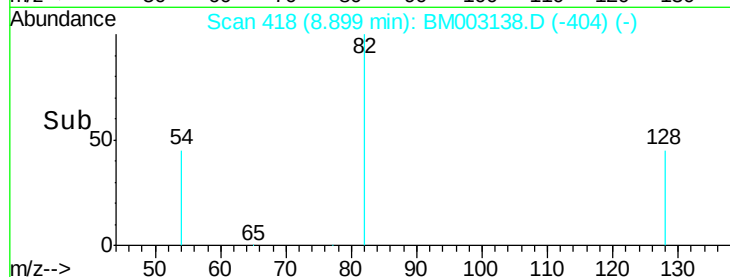
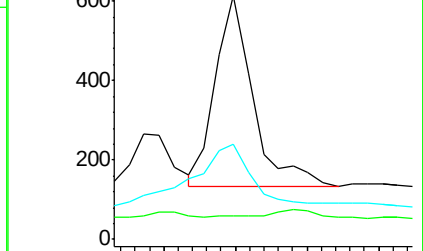
65 55.2 9.8 14.6#



Abundance Ion 77.00 (76.70 to 77.70): BM003138.D (-416) (-)

Ion 123.00 (122.70 to 123.70): BM003138.D (-416) (-)

Ion 65.00 (64.70 to 65.70): BM003138.D (-416) (-)



#10

Naphthalene

Concen: 0.17 ng

RT: 10.58 min Scan# 558

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

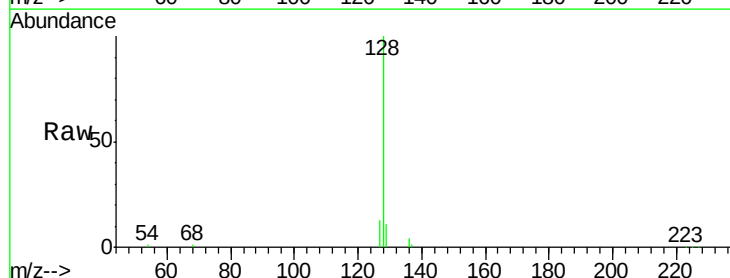
Tgt Ion: 128 Resp: 25134

Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

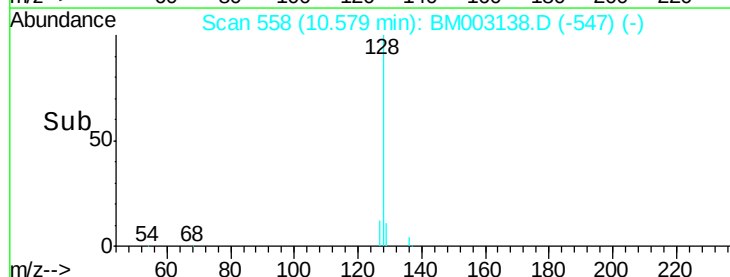
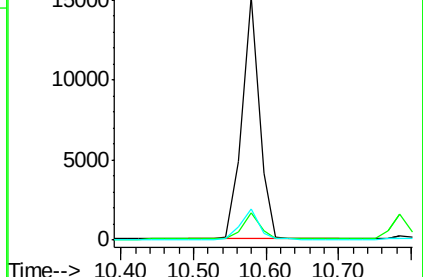
127 12.7 10.6 16.0

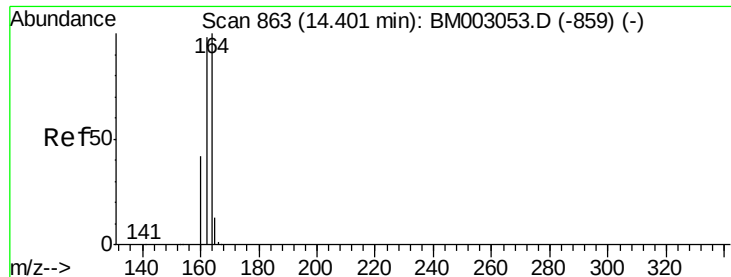


Abundance Ion 128.00 (127.70 to 128.70): BM003138.D (-547) (-)

Ion 129.00 (128.70 to 129.70): BM003138.D (-547) (-)

Ion 127.00 (126.70 to 127.70): BM003138.D (-547) (-)





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.39 min Scan# 863

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

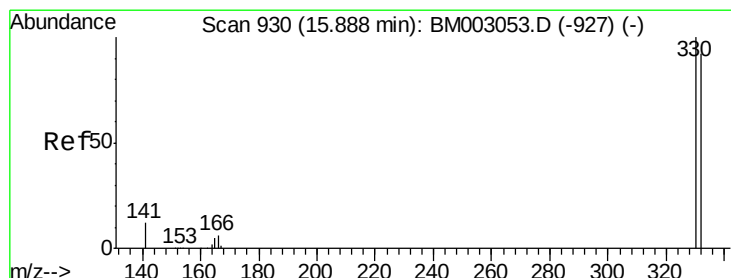
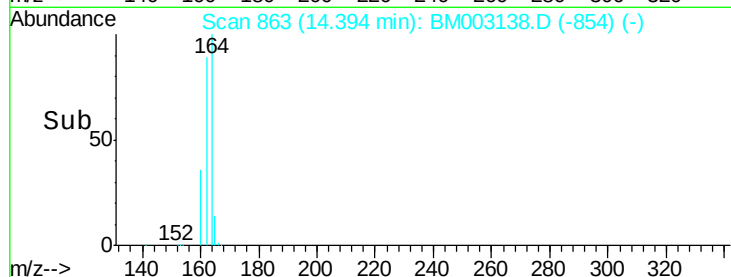
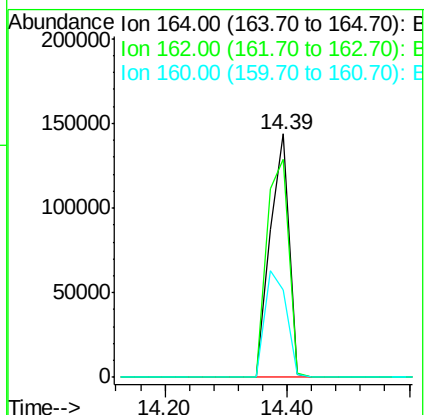
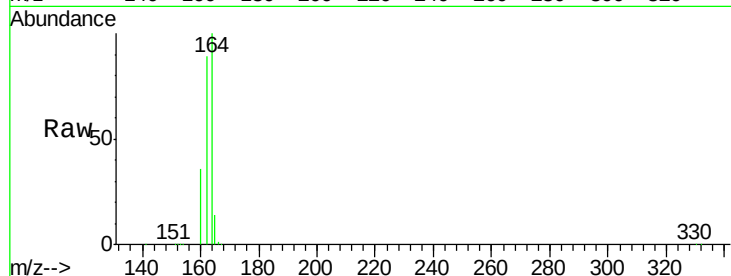
Tot Ion:164 Resp: 310908

Ion Ratio Lower Upper

164 100

162 89.4 78.3 117.5

160 36.0 33.8 50.6



#14

2,4,6-Tribromophenol

Concen: 19.80 ng

RT: 15.88 min Scan# 930

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

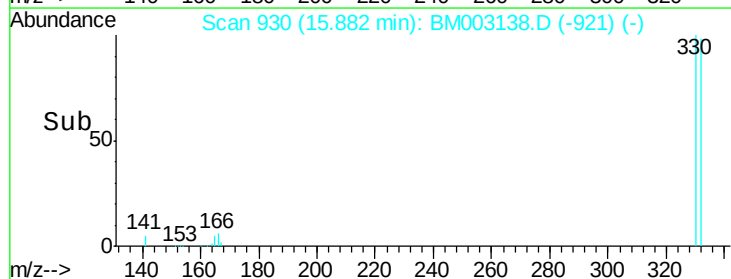
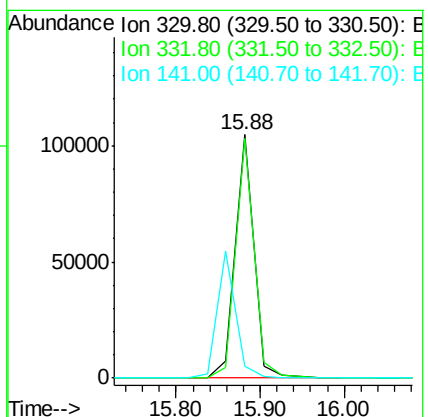
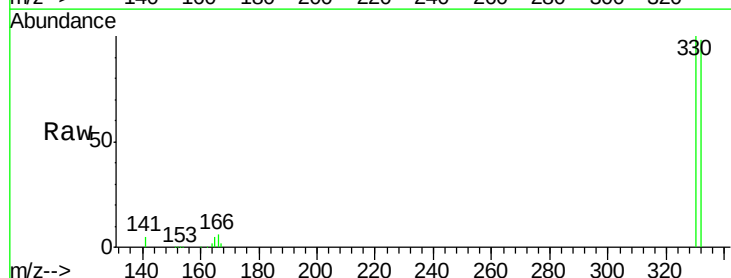
Tgt Ion:330 Resp: 159447

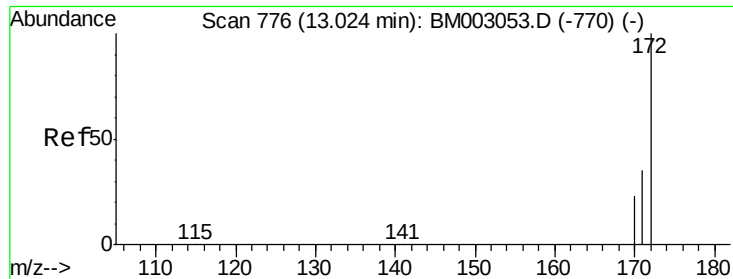
Ion Ratio Lower Upper

330 100

332 97.7 76.0 114.0

141 0.0 0.0 0.0

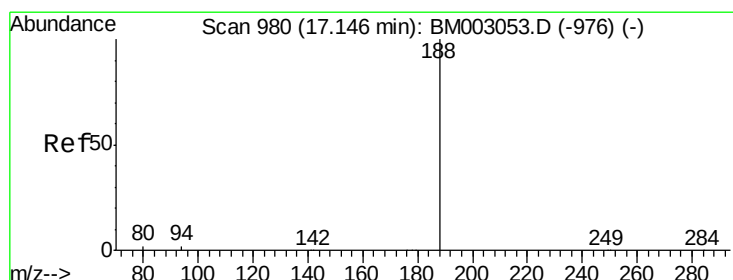
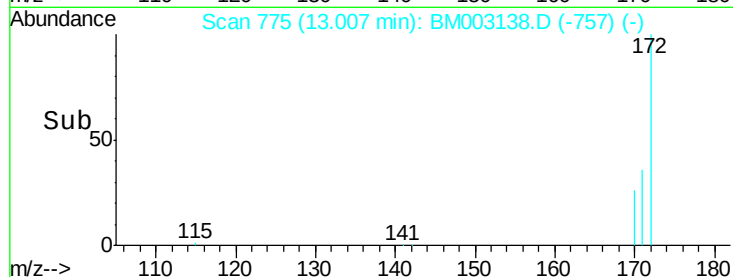
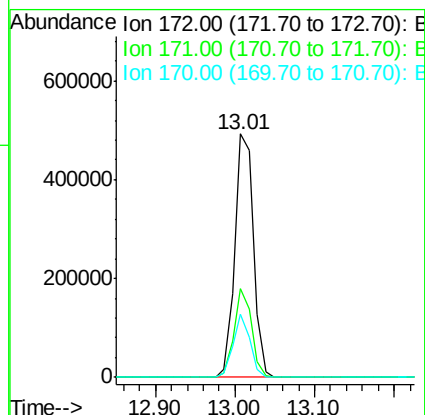
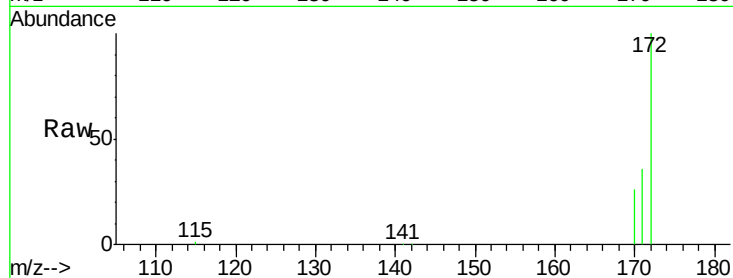




#15
2-Fluorobiphenyl
Concen: 8.18 ng
RT: 13.01 min Scan# 775
Delta R.T. -0.02 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

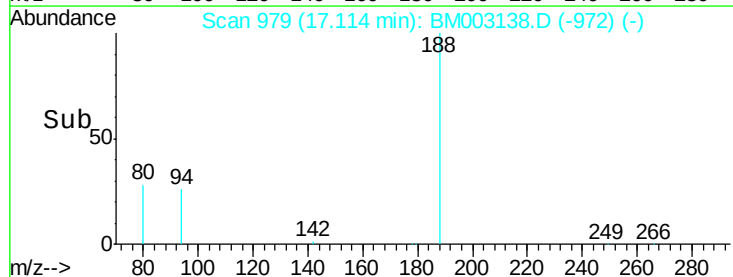
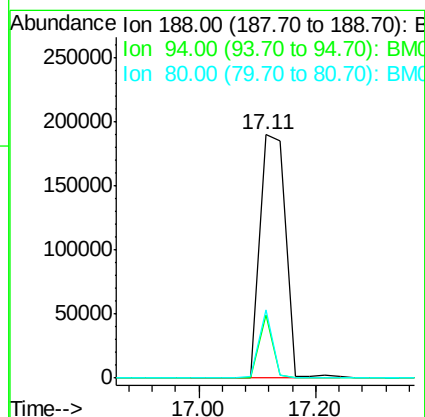
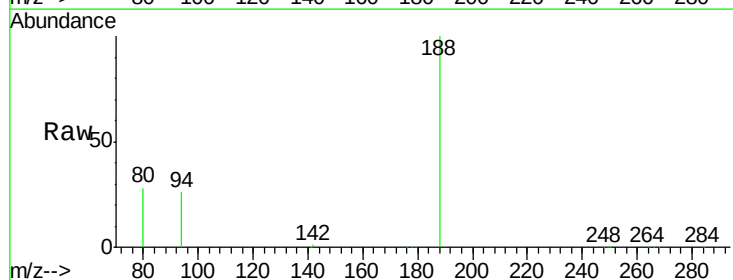
Instrument :
BNA_M
ClientSampleId :

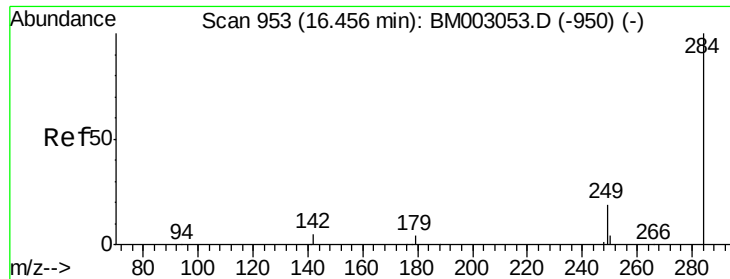
Tot Ion:172 Resp: 801848
Ion Ratio Lower Upper
172 100
171 36.5 28.0 42.0
170 26.0 18.9 28.3



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.11 min Scan# 979
Delta R.T. -0.03 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Tgt Ion:188 Resp: 583708
Ion Ratio Lower Upper
188 100
94 26.1 1.8 2.6#
80 28.2 1.4 2.0#

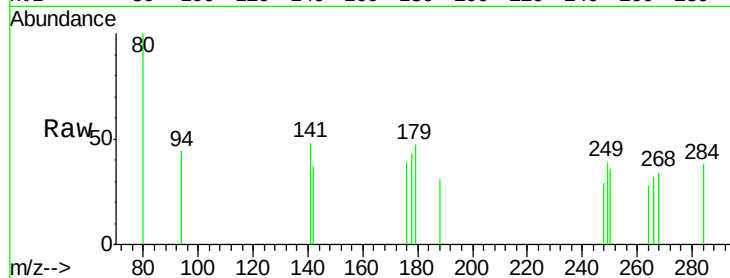




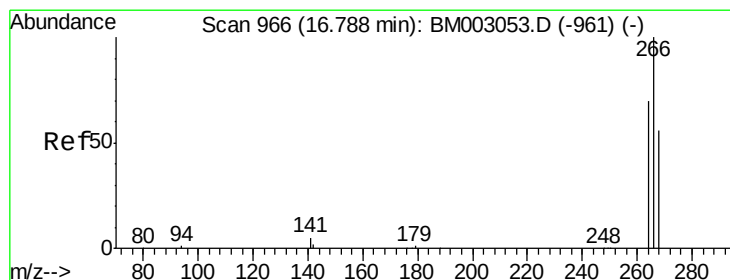
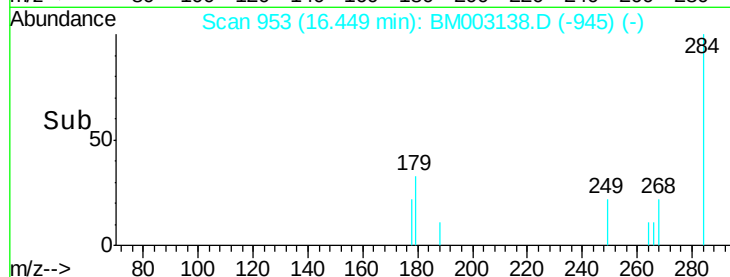
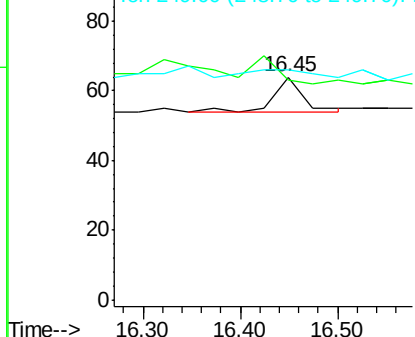
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.45 min Scan# 953
Delta R.T. -0.01 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Instrument :
BNA_M
ClientSampleId :

Tot Ion:284 Resp: 21
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 19.4 29.2#

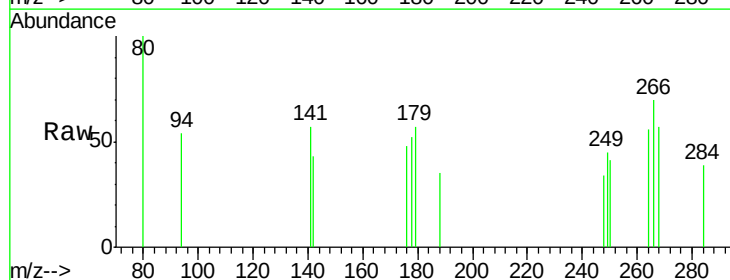


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

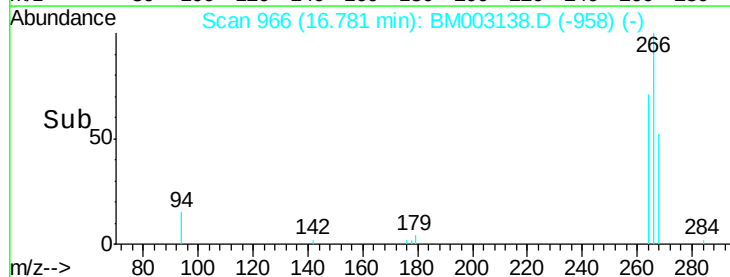
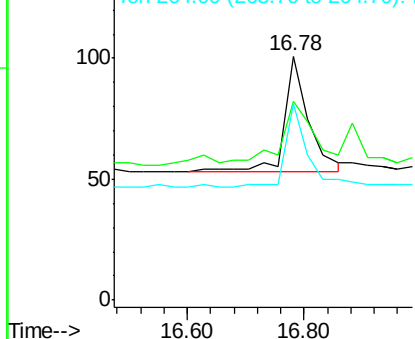


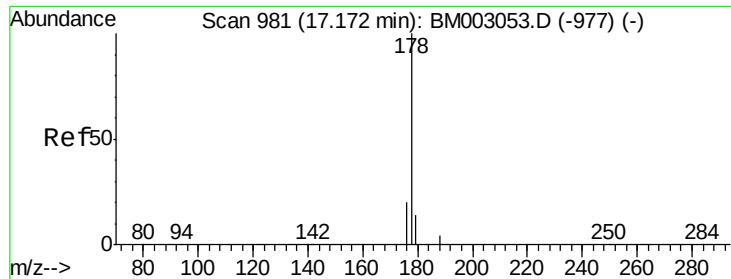
#22
Pentachlorophenol
Concen: 0.19 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Tgt Ion:266 Resp: 140
Ion Ratio Lower Upper
266 100
268 81.2 45.8 68.8#
264 80.2 56.7 85.1



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

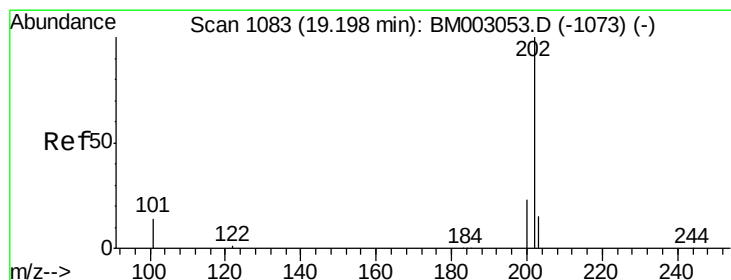
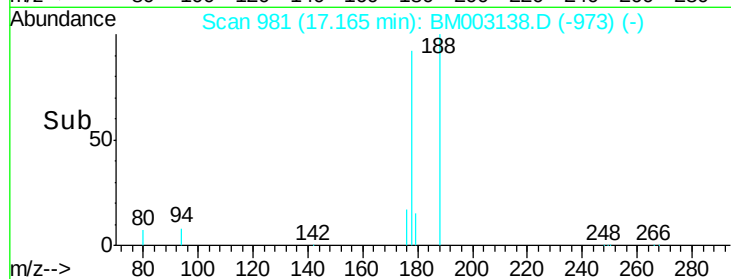
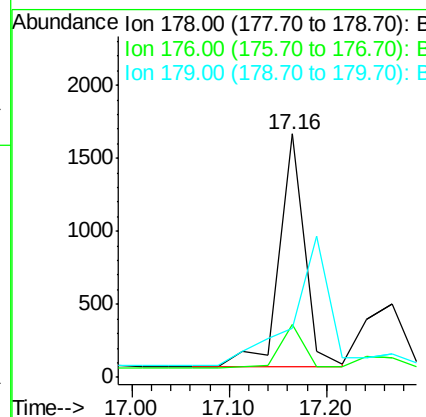
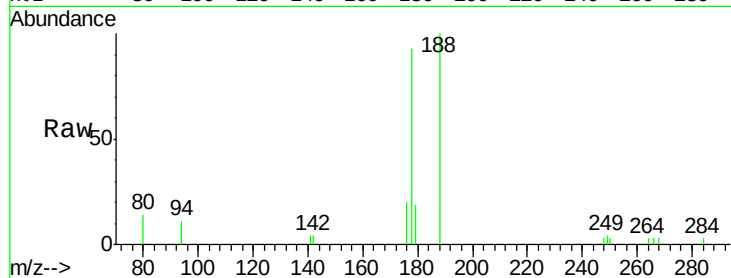




#23
Phenanthrene
Concen: Below Cal
RT: 17.16 min Scan# 981
Delta R.T. -0.01 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

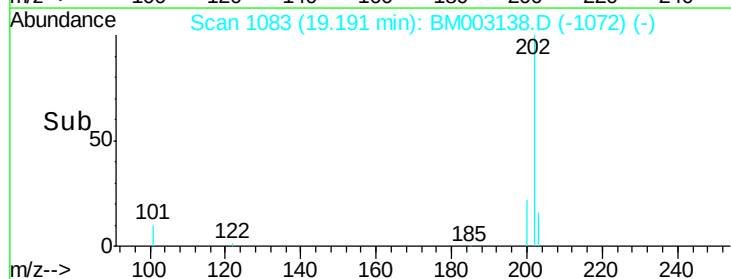
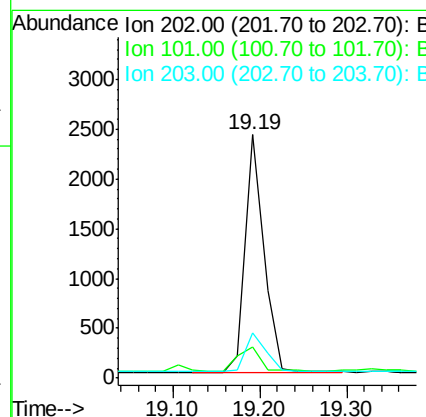
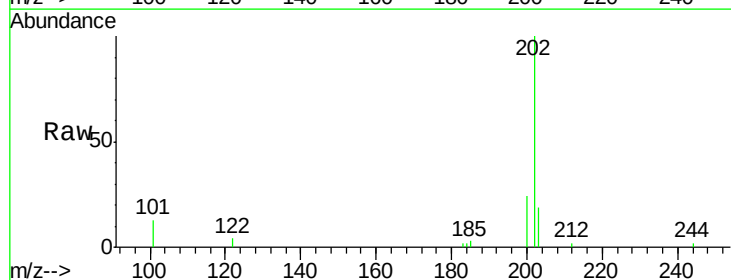
Instrument :
BNA_M
ClientSampleId :

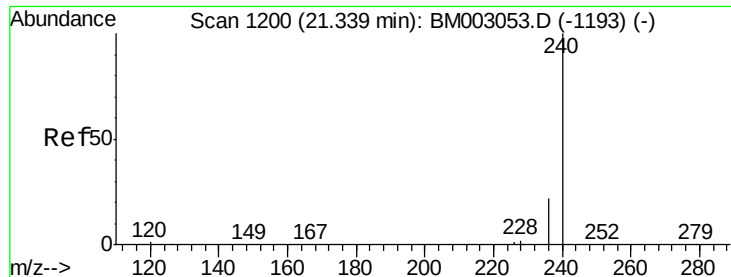
Tot Ion:178 Resp: 2914
Ion Ratio Lower Upper
178 100
176 17.1 15.9 23.9
179 0.0 11.7 17.5#



#25
Fluoranthene
Concen: Below Cal
RT: 19.19 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Tgt Ion:202 Resp: 3559
Ion Ratio Lower Upper
202 100
101 13.5 9.9 14.9
203 17.5 13.9 20.9

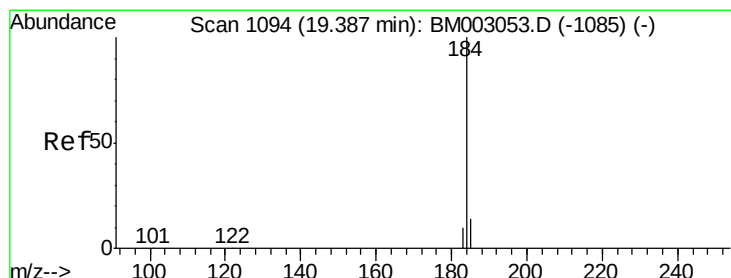
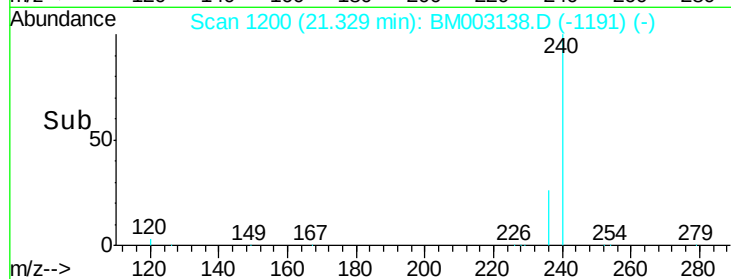
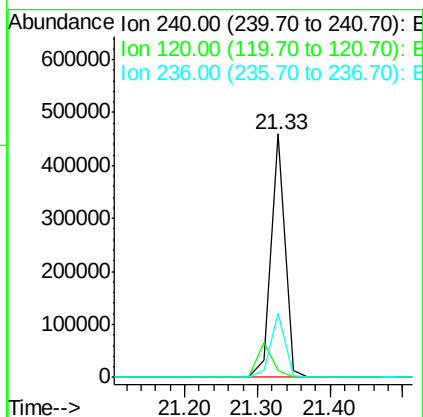
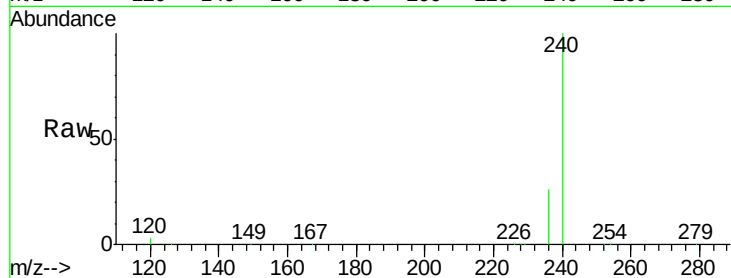




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

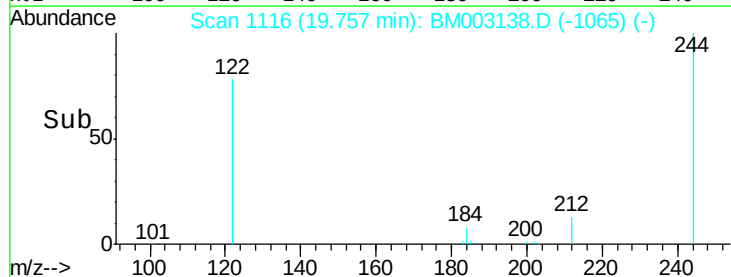
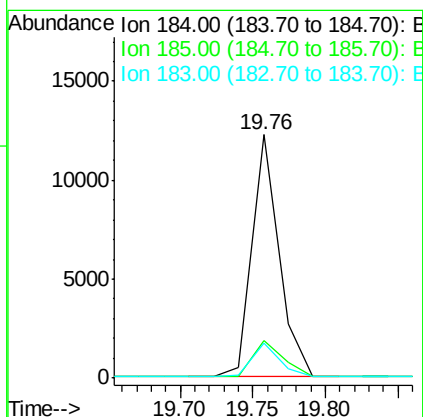
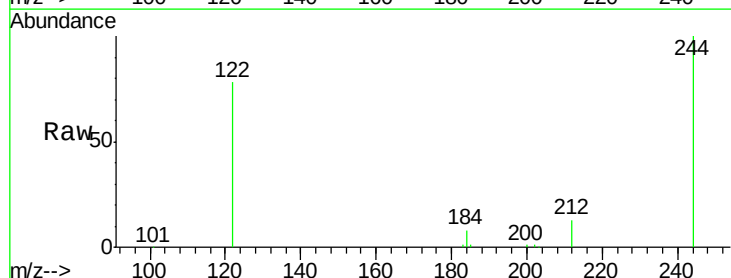
Instrument :
BNA_M
ClientSampleId :

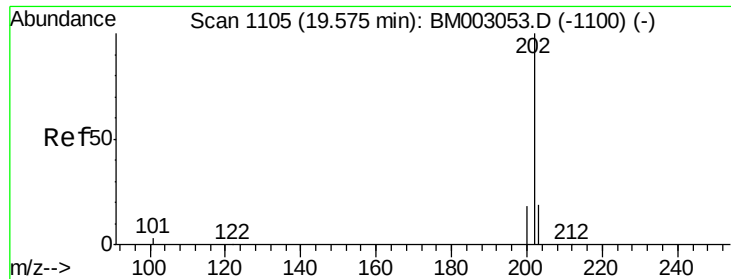
Tot Ion:240 Resp: 623198
Ion Ratio Lower Upper
240 100
120 2.7 1.0 1.4#
236 26.4 17.9 26.9



#27
Benzidine
Concen: 0.29 ng
RT: 19.76 min Scan# 1116
Delta R.T. 0.37 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Tgt Ion:184 Resp: 15929
Ion Ratio Lower Upper
184 100
185 15.6 11.6 17.4
183 14.1 8.6 13.0#

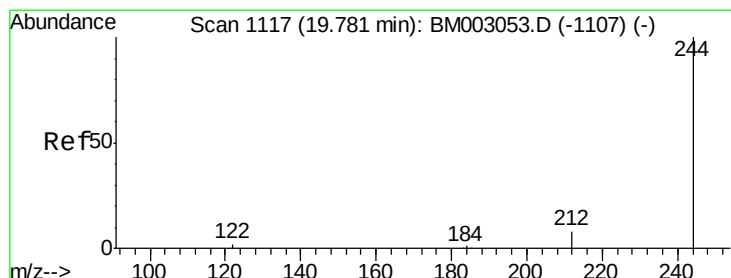
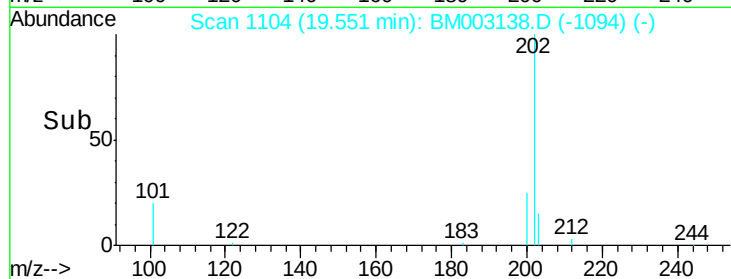
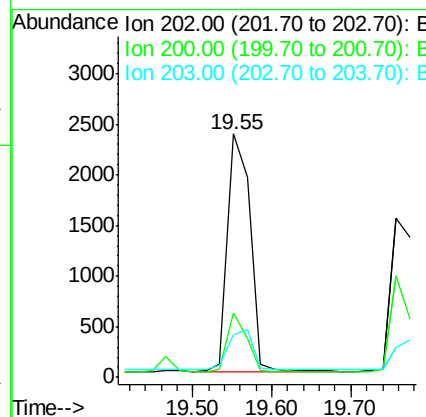
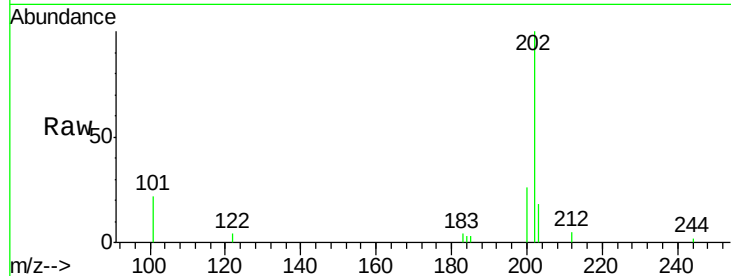




#28
Pvrene
Concen: 0.03 ng
RT: 19.55 min Scan# 1104
Delta R.T. -0.02 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

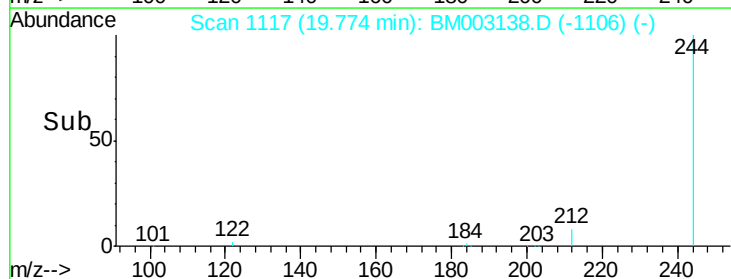
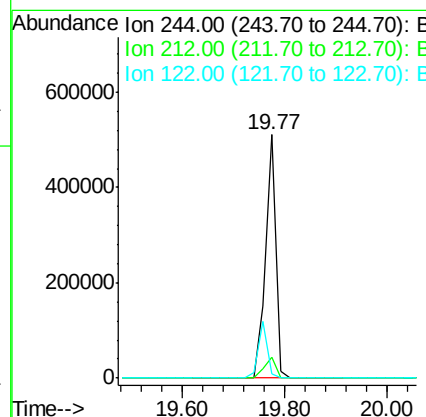
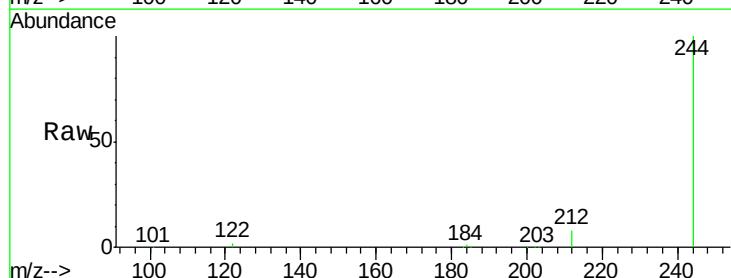
Instrument :
BNA_M
ClientSampleId :

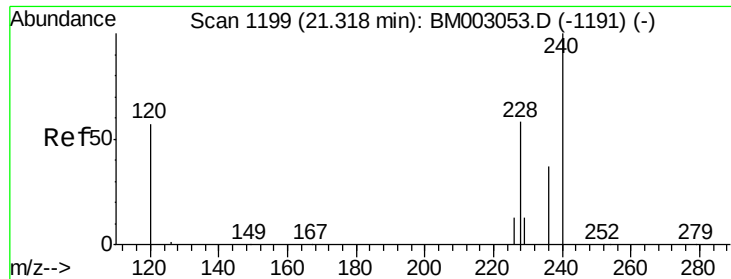
Tot Ion:202 Resp: 4592
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 19.2 13.8 20.6



#29
Terphenyl-d14
Concen: 7.79 ng
RT: 19.77 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Tgt Ion:244 Resp: 699377
Ion Ratio Lower Upper
244 100
212 8.5 6.5 9.7
122 1.8 2.0 3.0#





#30

Benzo(a)anthracene

Concen: 0.15 ng

RT: 21.31 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

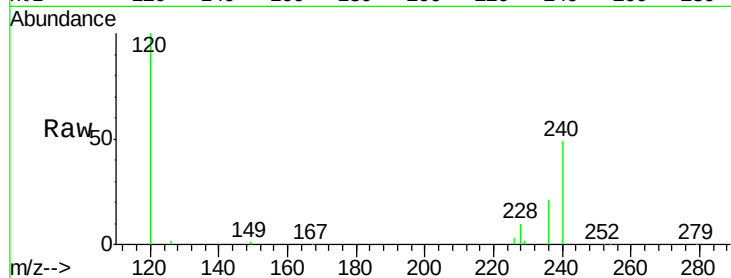
Tot Ion:228 Resp: 19343

Ion Ratio Lower Upper

228 100

226 26.0 17.8 26.6

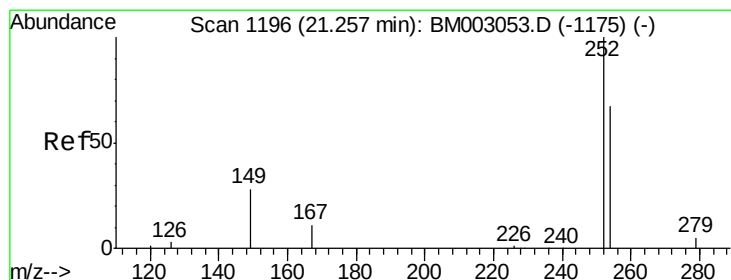
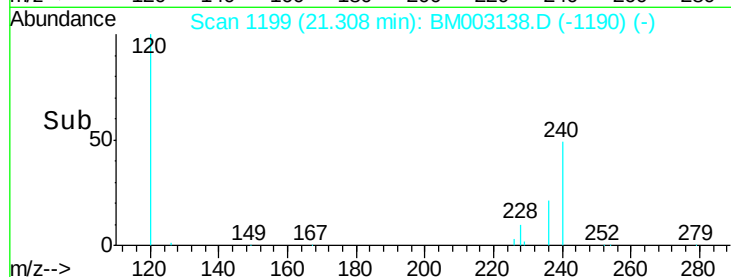
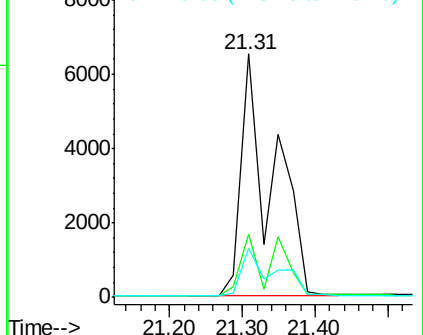
229 19.9 18.0 27.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

3,3'-Dichlorobenzidine

Concen: 0.21 ng

RT: 21.25 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

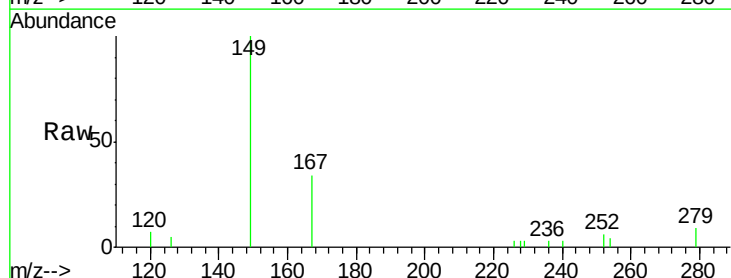
Tgt Ion:252 Resp: 334

Ion Ratio Lower Upper

252 100

254 64.8 53.7 80.5

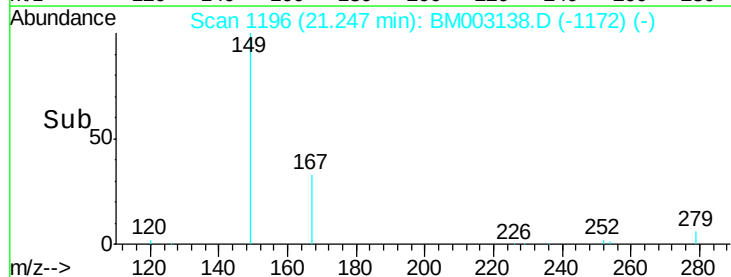
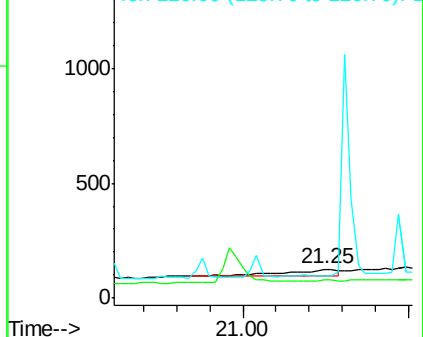
126 79.2 2.8 4.2#

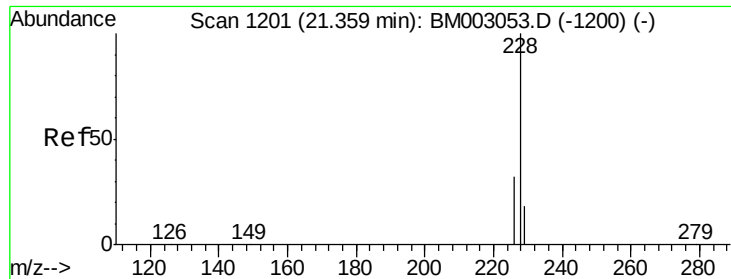


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.31 min Scan# 1199

Delta R.T. -0.05 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

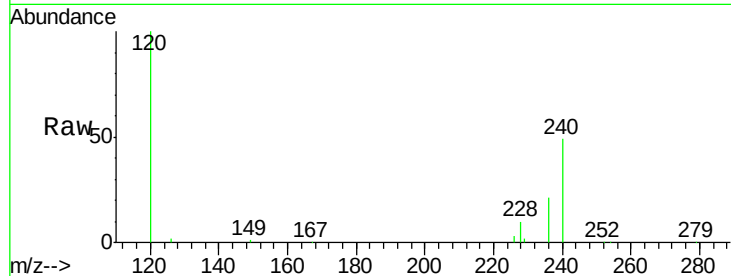
Tot Ion:228 Resp: 19394

Ion Ratio Lower Upper

228 100

226 26.0 25.5 38.3

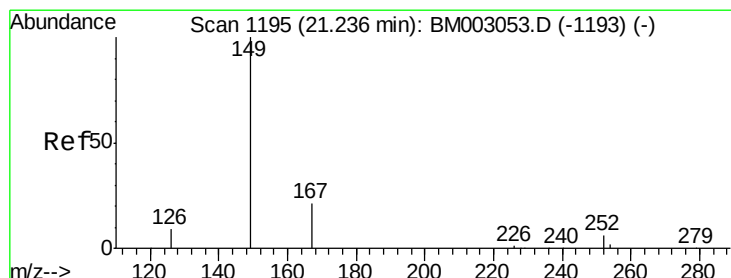
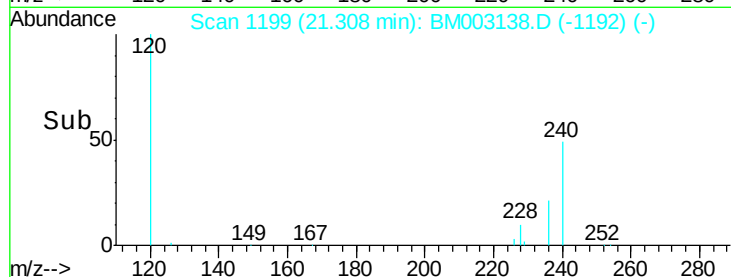
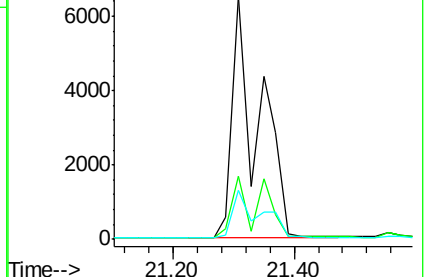
229 19.9 14.3 21.5



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: 0.31 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

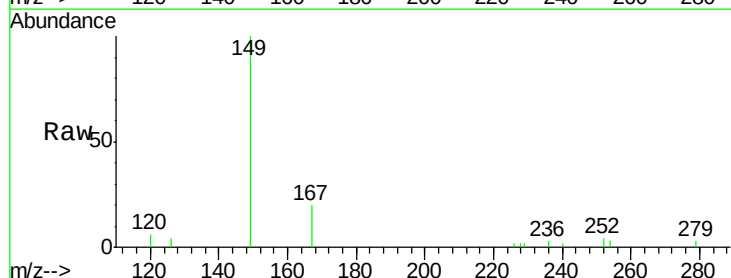
Tgt Ion:149 Resp: 5181

Ion Ratio Lower Upper

149 100

167 0.0 19.6 29.4#

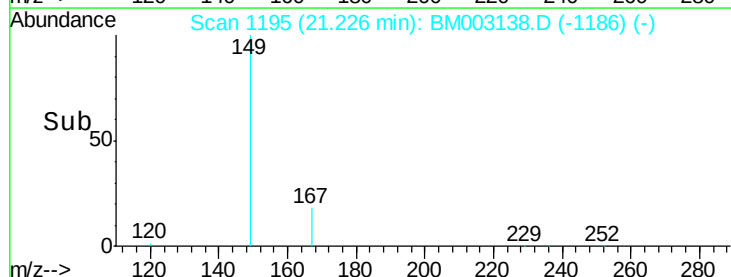
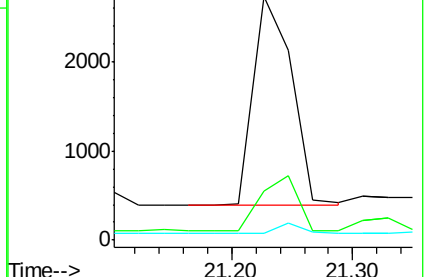
279 0.0 0.0 0.0

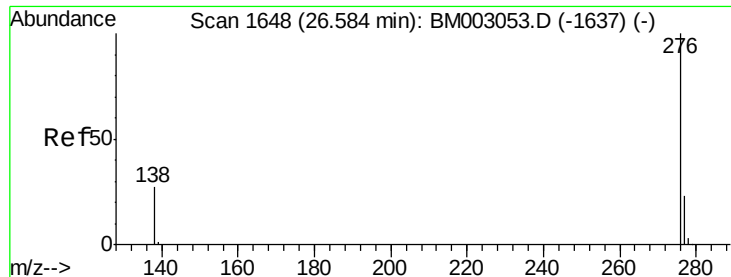


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

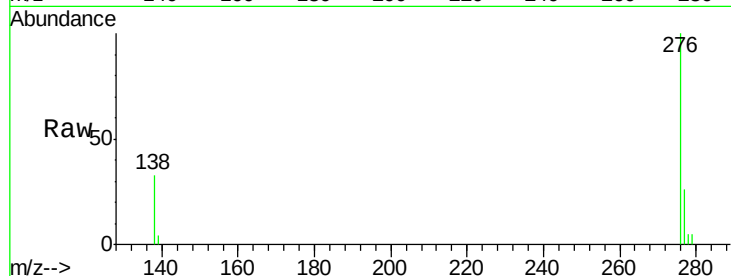




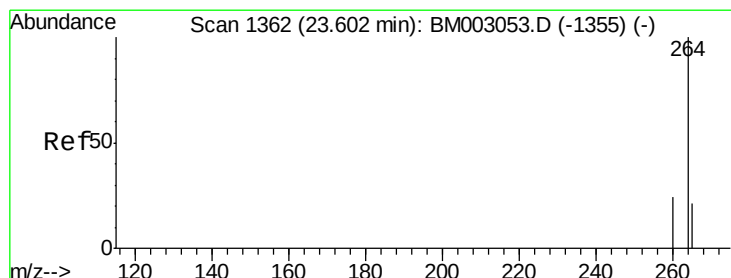
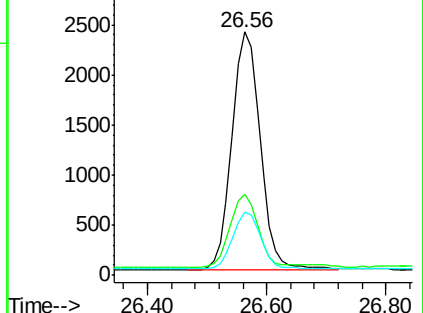
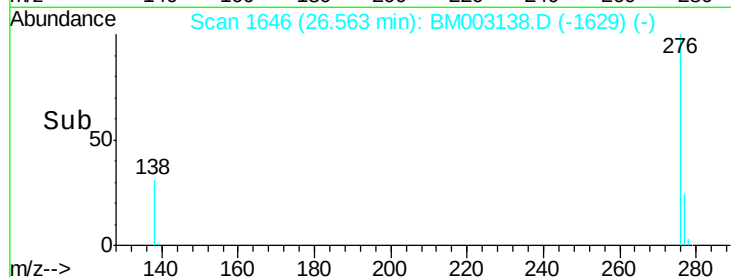
#34
Indeno(1,2,3-cd)pyrene
Concen: 0.11 ng
RT: 26.56 min Scan# 1646
Delta R.T. -0.02 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 7836
Ion Ratio Lower Upper
276 100
138 30.4 22.6 33.8
277 23.7 18.7 28.1

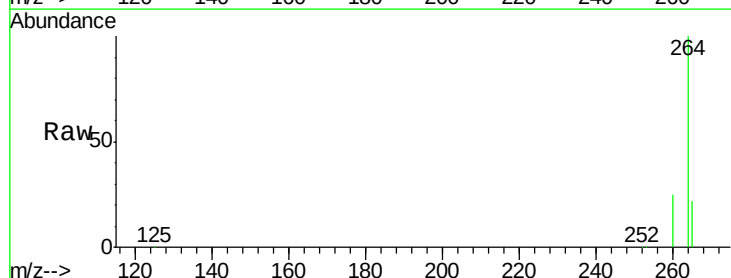


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

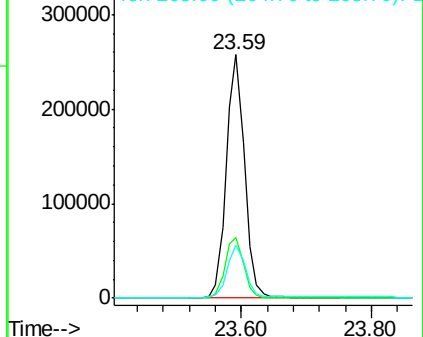
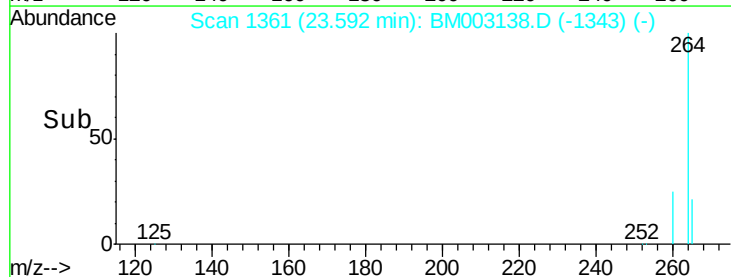


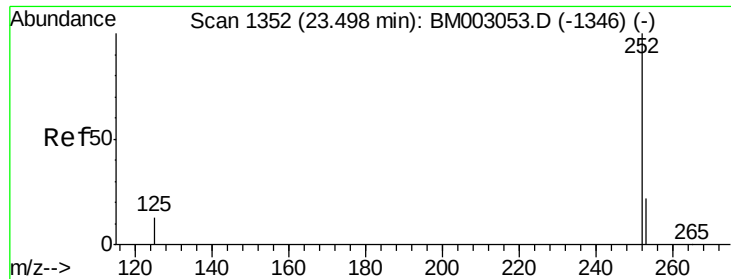
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.59 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BM003138.D
Acq: 16 Nov 2015 12:06

Tgt Ion:264 Resp: 498238
Ion Ratio Lower Upper
264 100
260 25.1 19.6 29.4
265 21.8 18.4 27.6



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





#38

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.49 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

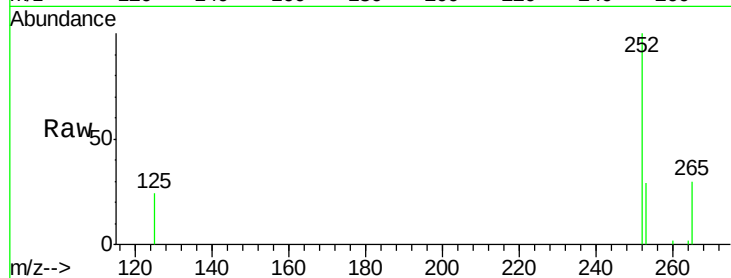
Tot Ion:252 Resp: 6975

Ion Ratio Lower Upper

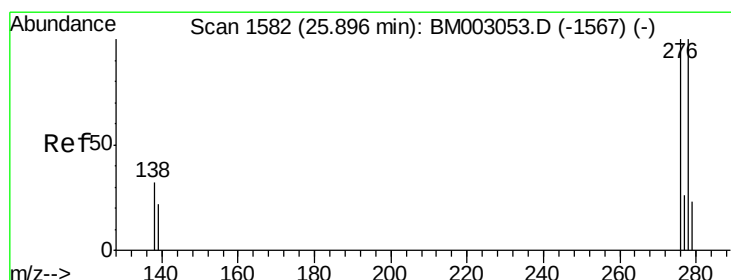
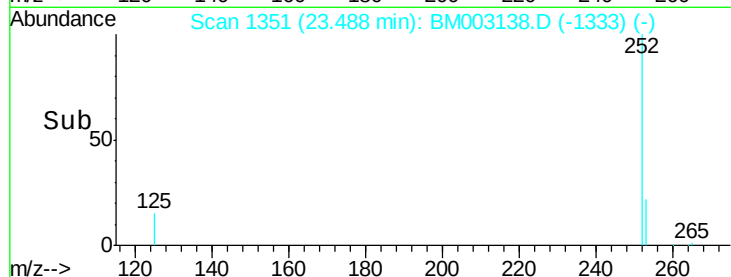
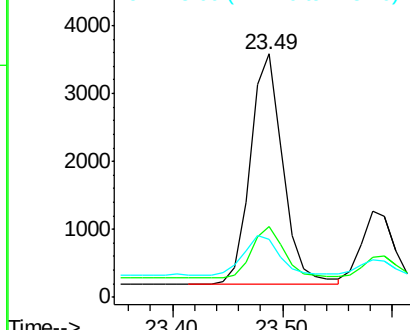
252 100

253 29.2 18.7 28.1#

125 23.6 11.6 17.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#39

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.89 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

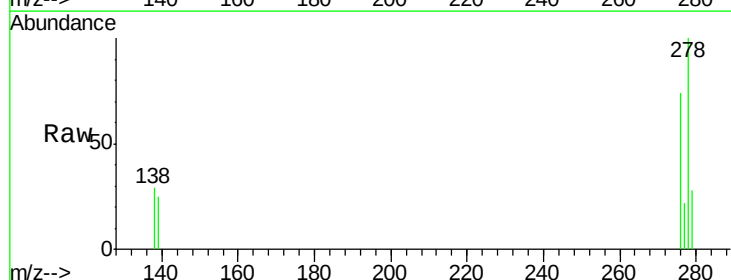
Tgt Ion:278 Resp: 6679

Ion Ratio Lower Upper

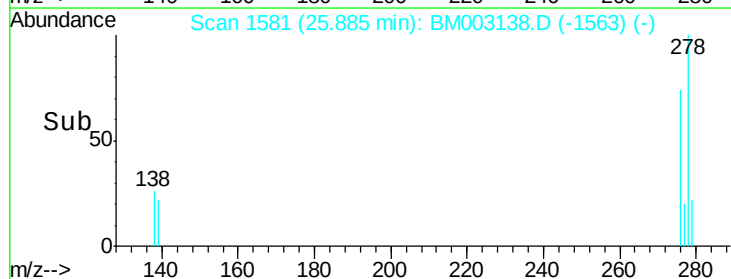
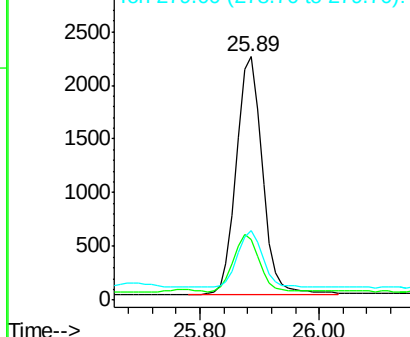
278 100

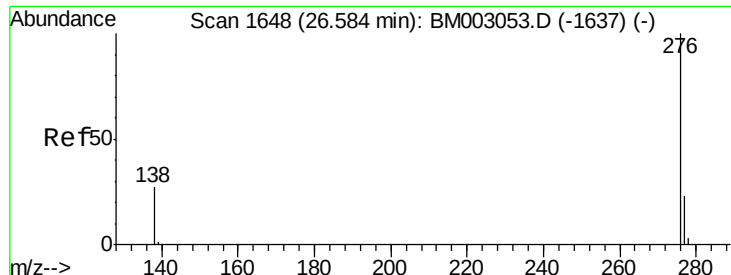
139 25.0 18.2 27.4

279 28.3 18.8 28.2#



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(a,h,i)perylene

Concen: 0.06 ng

RT: 26.56 min Scan# 1646

Delta R.T. -0.02 min

Lab File: BM003138.D

Acq: 16 Nov 2015 12:06

Instrument :

BNA_M

ClientSampleId :

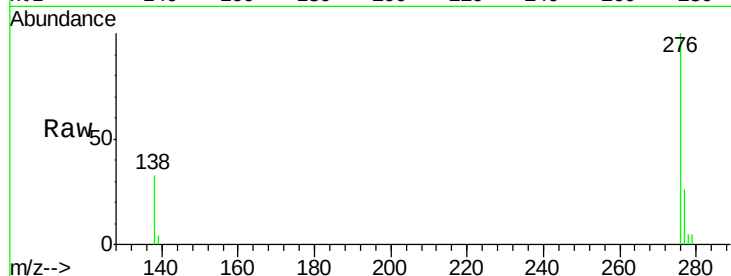
Tot Ion: 276 Resp: 7836

Ion Ratio Lower Upper

276 100

277 25.7 19.0 28.6

138 33.2 22.3 33.5



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

