

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004468.D
 Acq On : 29 Feb 2016 03:14
 Operator : SJ/UM
 Sample : H1509-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-4

Quant Time: Feb 29 06:33:54 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 05:57:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	12588	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	45175	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	29108	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	44746	5.00	ng	0.00
19) Chrysene-d12	21.24	240	57044	5.00	ng	0.00
28) Perylene-d12	23.46	264	44153	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	7508	2.71	ng	0.00
5) Phenol-d6	6.83	99	5042	1.60	ng	0.00
8) Nitrobenzene-d5	8.76	82	10637	4.26	ng	-0.02
13) 2,4,6-Tribromophenol	15.78	330	12538	8.40	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	42641	4.80	ng	0.00
22) Terphenyl-d14	19.67	244	33964	4.68	ng	-0.02

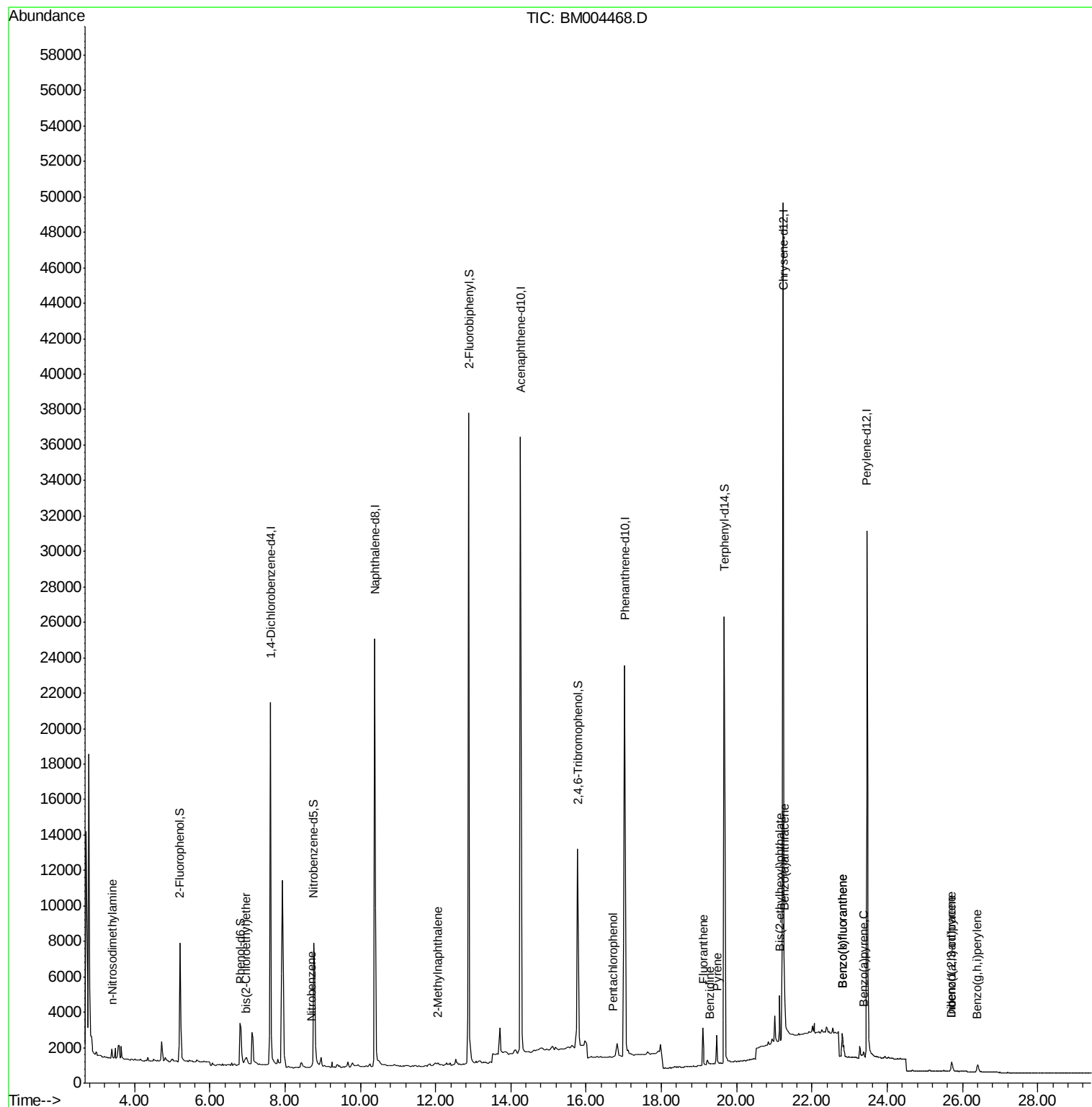
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.40	42	48	0.05	ng	# 31
6) bis(2-Chloroethyl)ether	6.96	93	880	0.35	ng	# 41
9) Nitrobenzene	8.69	77	142	0.05	ng	# 78
11) 2-Methylnaphthalene	12.07	142	147	0.02	ng	# 60
16) Hexachlorobenzene	16.35	284	2	Below Cal		# 100
17) Pentachlorophenol	16.72	266	75	0.40	ng	# 81
18) Fluoranthene	19.10	202	2406	0.14	ng	# 95
20) Benzidine	19.29	184	56	0.42	ng	# 1
21) Pyrene	19.48	202	2247	0.13	ng	# 98
23) Benzo(a)anthracene	21.26	228	3688	0.23	ng	# 80
25) Chrysene	21.26	228	3811	Below Cal		# 89
26) Bis(2-ethylhexyl)phthalate	21.14	149	3323	0.23	ng	# 93
27) Indeno(1,2,3-cd)pyrene	25.71	276	871	0.06	ng	# 94
29) Benzo(b)fluoranthene	22.80	252	3451	0.21	ng	# 43
30) Benzo(k)fluoranthene	22.80	252	3451	0.24	ng	# 42
31) Benzo(a)pyrene	23.37	252	477	0.04	ng	# 1
32) Dibenzo(a,h)anthracene	25.71	278	316	0.03	ng	# 1
33) Benzo(g,h,i)perylene	26.40	276	950	0.07	ng	# 58

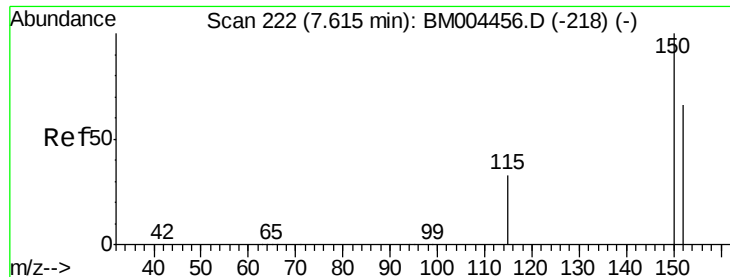
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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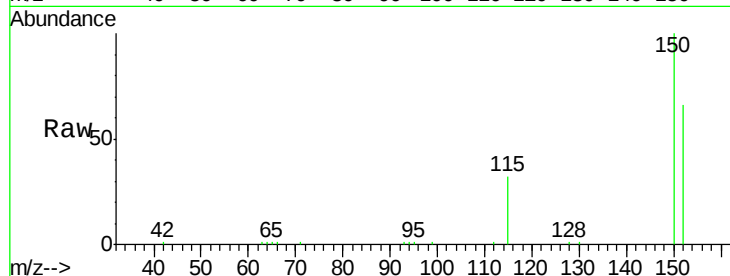


#1

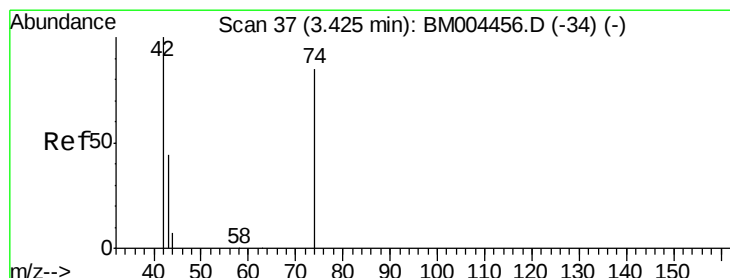
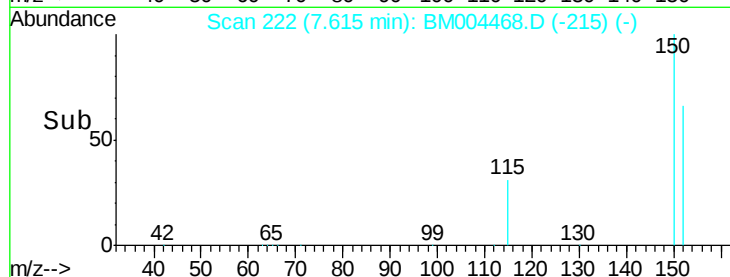
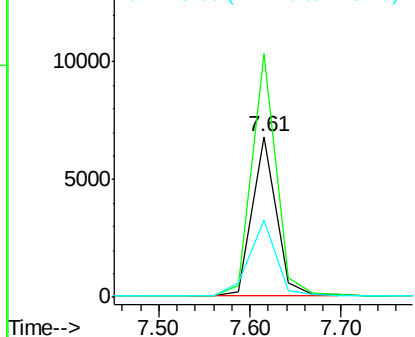
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: BM004468.D
Acq: 29 Feb 2016 03:14

Instrument :
BNA_M
ClientSampleId :
MW-4

Tot Ion:152 Resp: 12588
Ion Ratio Lower Upper
152 100
150 151.4 123.9 185.9
115 48.2 40.6 61.0



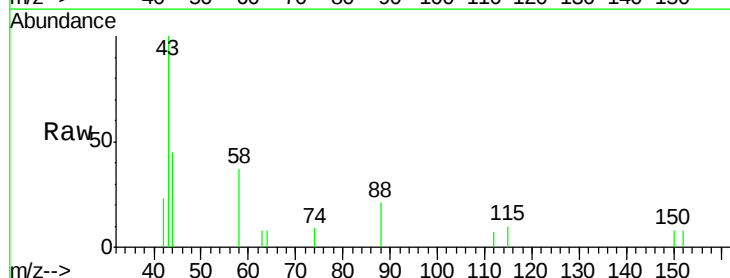
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



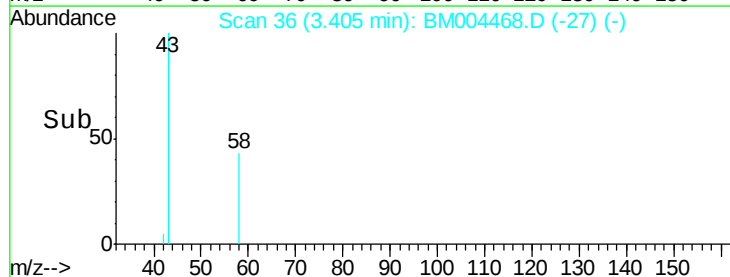
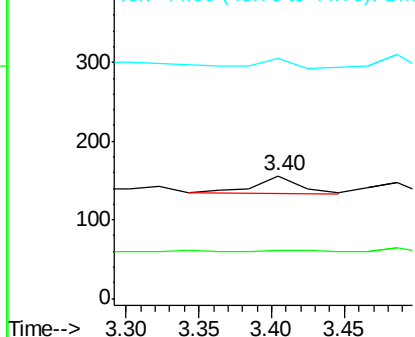
#3

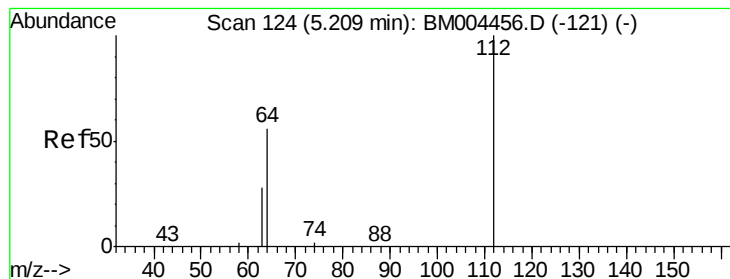
n-Nitrosodimethylamine
Concen: 0.05 ng
RT: 3.40 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM004468.D
Acq: 29 Feb 2016 03:14

Tgt Ion: 42 Resp: 48
Ion Ratio Lower Upper
42 100
74 10.4 0.0 0.0#
44 31.3 5.8 8.6#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 2.71 ng

RT: 5.21 min Scan# 124

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampled :

MW-4

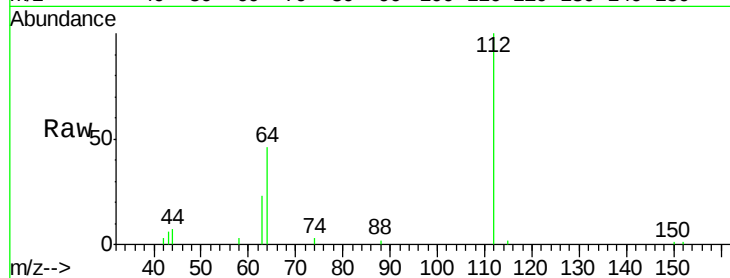
Tot Ion:112 Resp: 7508

Ion Ratio Lower Upper

112 100

64 46.9 39.4 59.2

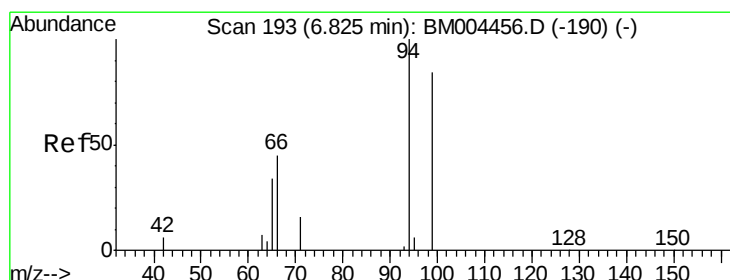
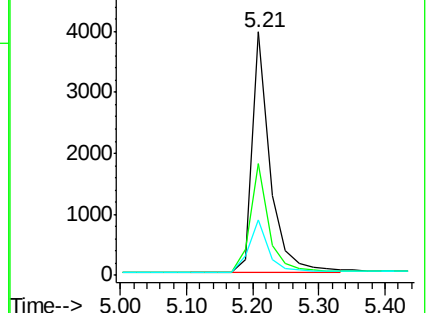
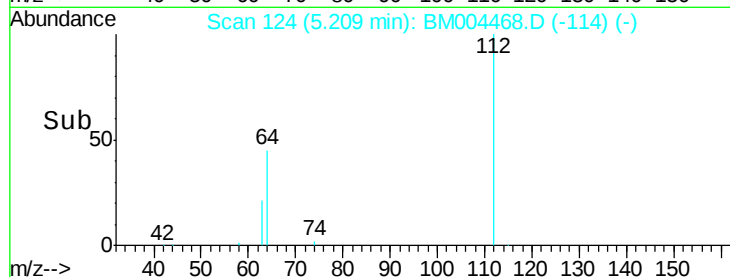
63 23.7 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 1.60 ng

RT: 6.83 min Scan# 193

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

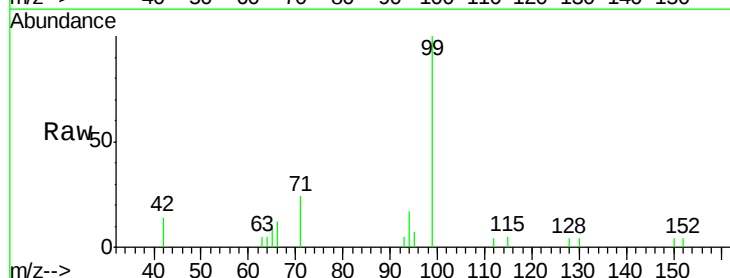
Tgt Ion: 99 Resp: 5042

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

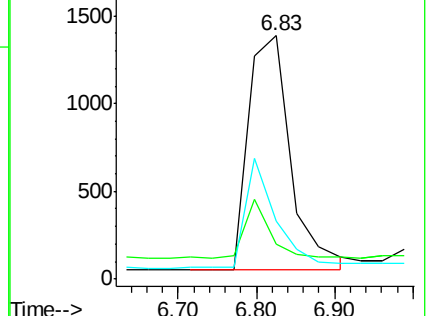
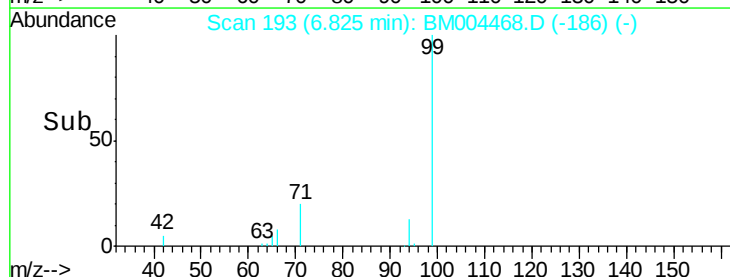
71 0.0 0.0 0.0

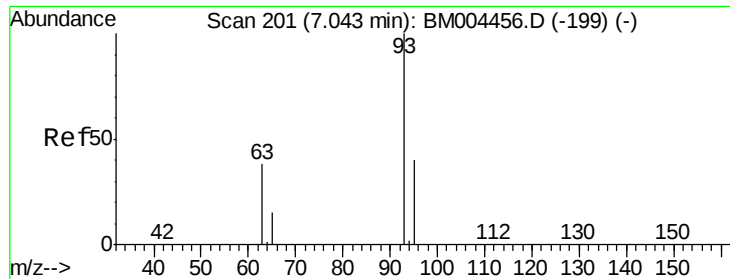


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.35 ng

RT: 6.96 min Scan# 198

Delta R.T. -0.08 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampleId :

MW-4

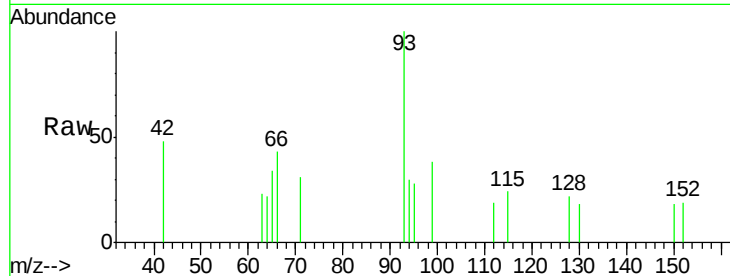
Tot Ion: 93 Resp: 880

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

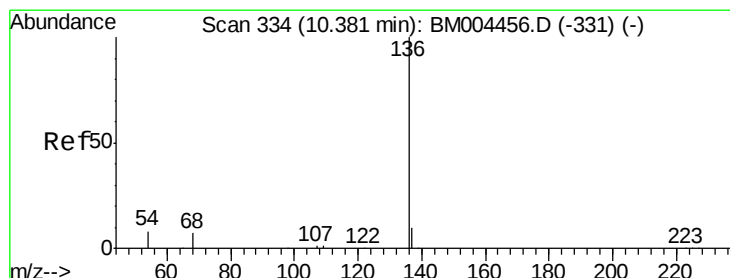
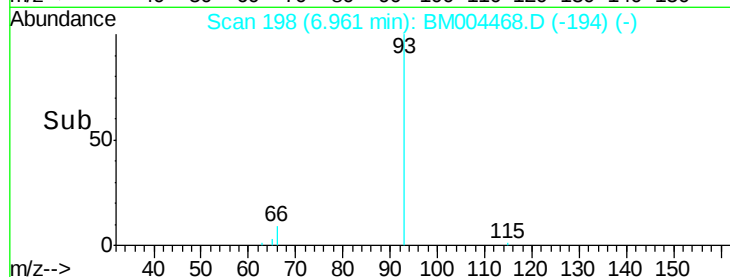
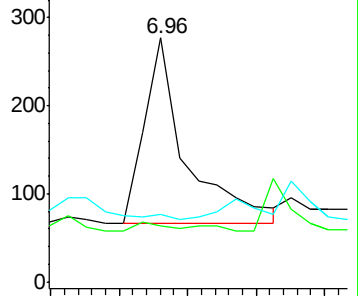
95 0.0 27.1 40.7#



Abundance Ion 93.00 (92.70 to 93.70): BM004456.D (-199) (-)

Ion 63.00 (62.70 to 63.70): BM004456.D (-199) (-)

Ion 95.00 (94.70 to 95.70): BM004456.D (-199) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Tgt Ion: 136 Resp: 45175

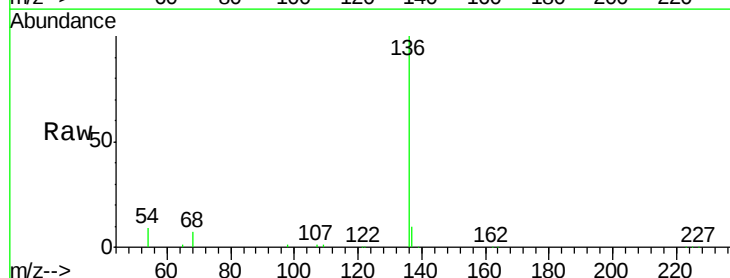
Ion Ratio Lower Upper

136 100

137 10.1 8.0 12.0

54 8.9 7.0 10.6

68 7.2 5.8 8.6

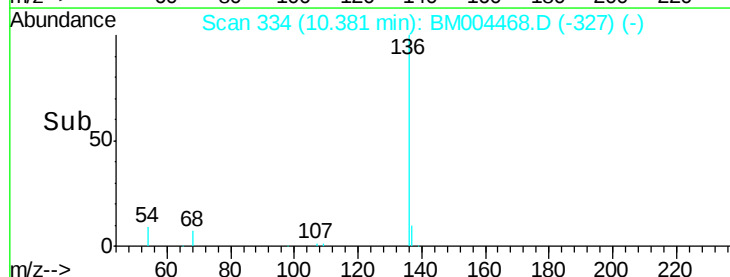
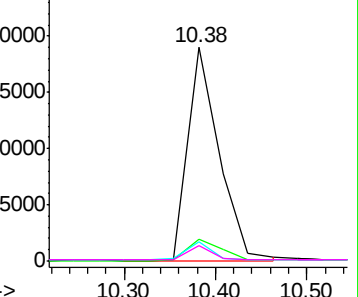


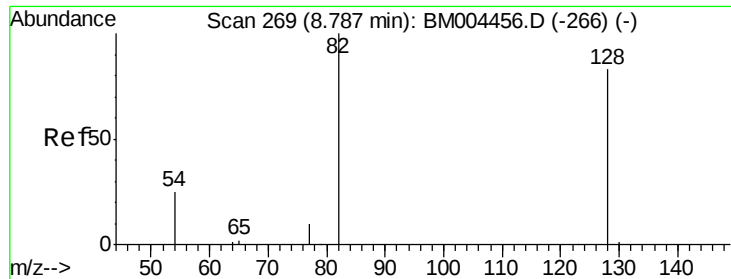
Abundance Ion 136.00 (135.70 to 136.70): BM004456.D (-331) (-)

Ion 137.00 (136.70 to 137.70): BM004456.D (-331) (-)

Ion 54.00 (53.70 to 54.70): BM004456.D (-331) (-)

Ion 68.00 (67.70 to 68.70): BM004456.D (-331) (-)





#8

Nitrobenzene-d5

Concen: 4.26 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.02 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampleId :

MW-4

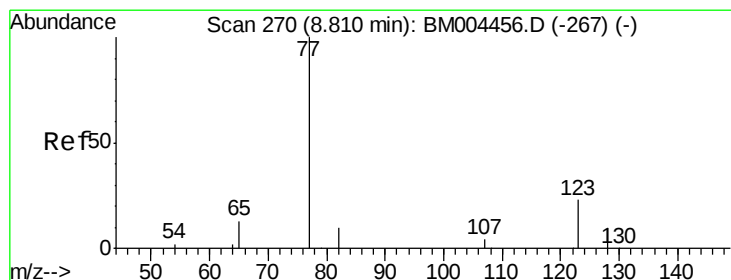
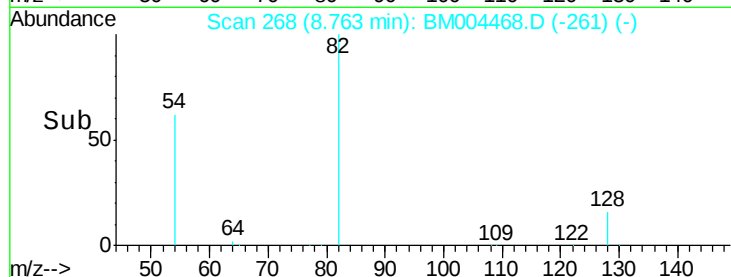
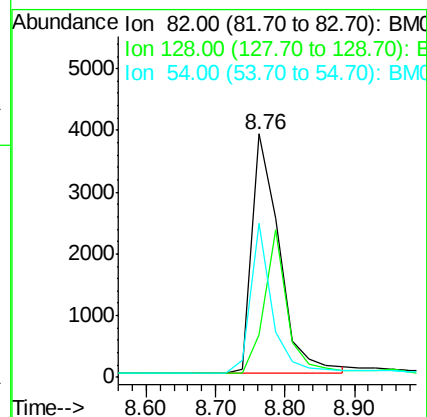
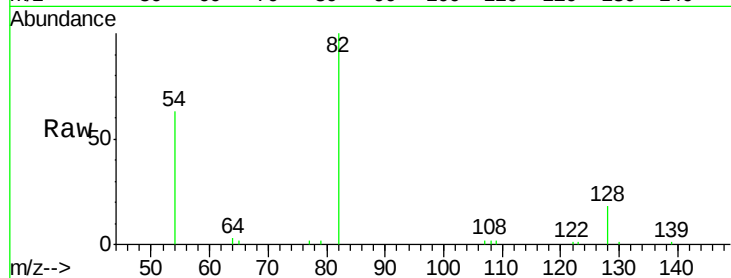
Tot Ion: 82 Resp: 10637

Ion Ratio Lower Upper

82 100

128 17.6 67.0 100.6#

54 63.1 25.2 37.8#



#9

Nitrobenzene

Concen: 0.05 ng

RT: 8.69 min Scan# 265

Delta R.T. -0.12 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

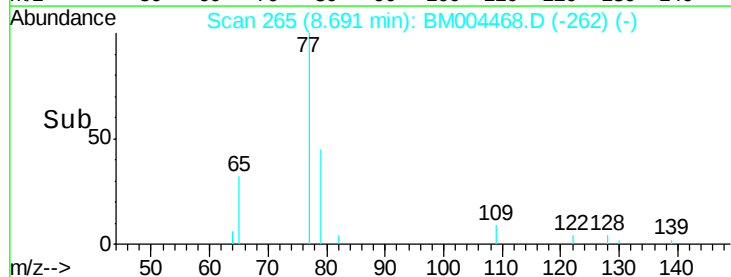
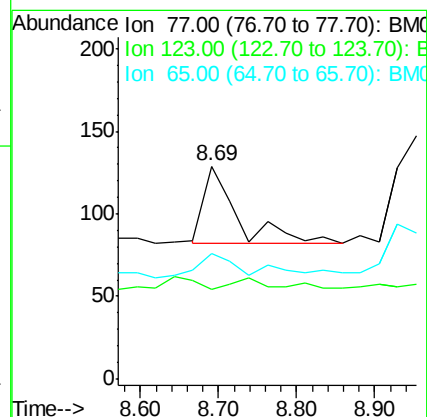
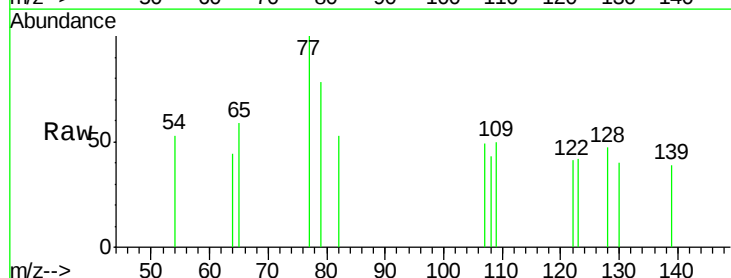
Tgt Ion: 77 Resp: 142

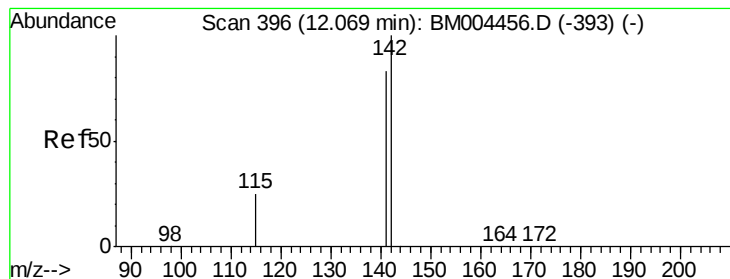
Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

65 21.1 10.1 15.1#





#11

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.07 min Scan# 396

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampled :

MW-4

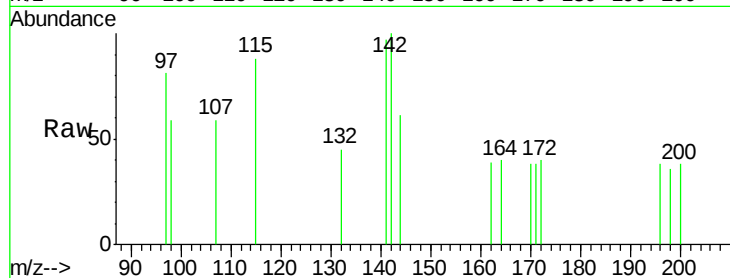
Tot Ion:142 Resp: 147

Ion Ratio Lower Upper

142 100

141 96.9 66.4 99.6

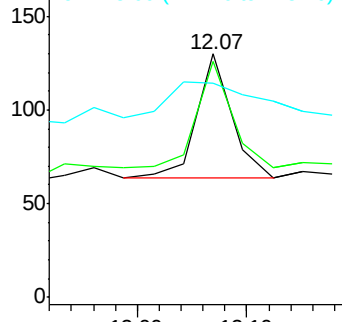
115 87.7 21.6 32.4#



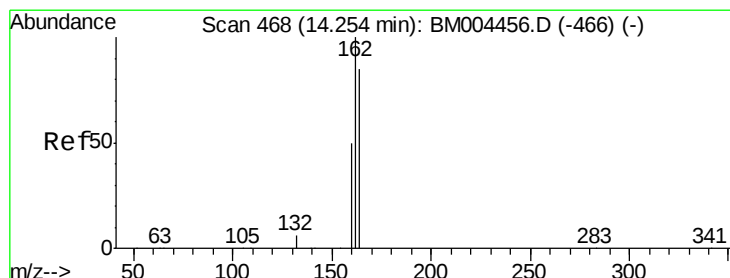
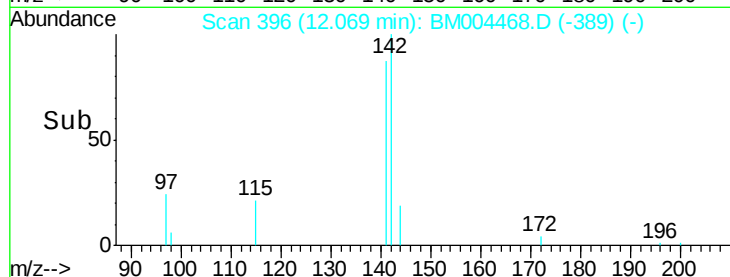
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 468

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

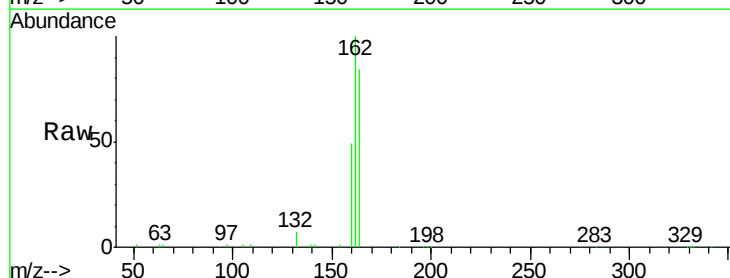
Tgt Ion:164 Resp: 29108

Ion Ratio Lower Upper

164 100

162 119.3 94.6 141.8

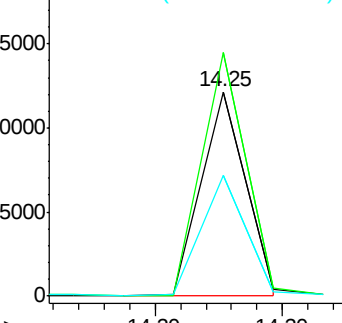
160 59.0 47.0 70.4



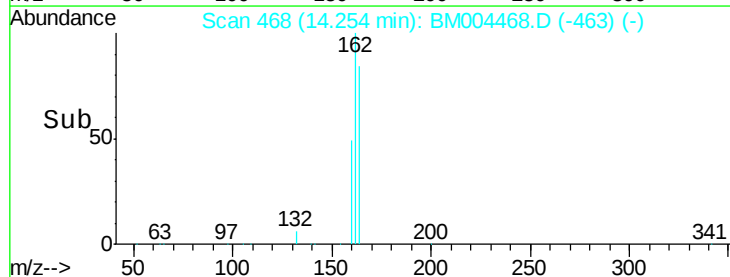
Abundance Ion 164.00 (163.70 to 164.70): E

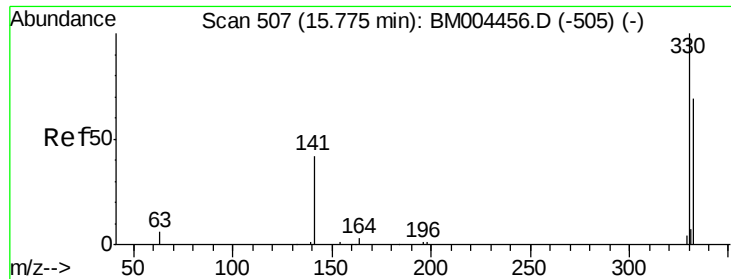
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

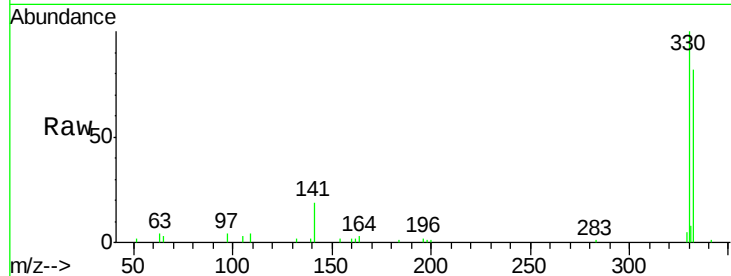




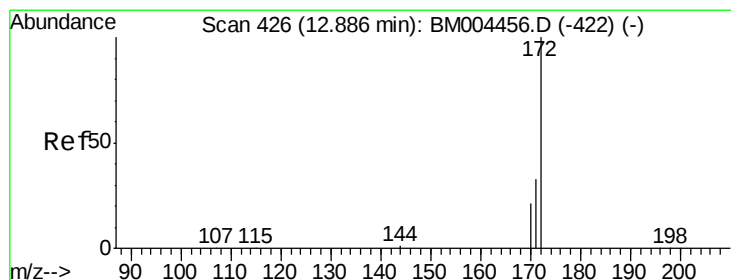
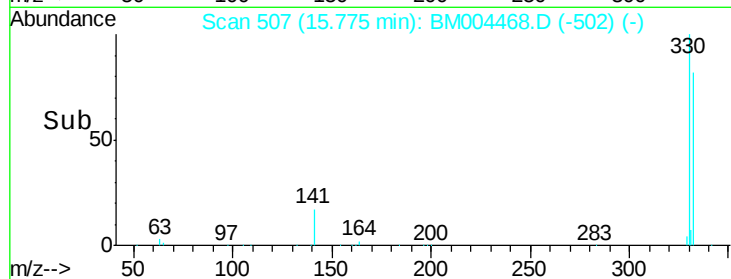
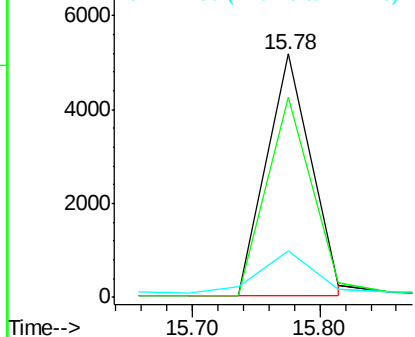
#13
 2,4,6-Tribromophenol
 Concen: 8.40 ng
 RT: 15.78 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: BM004468.D
 Acq: 29 Feb 2016 03:14

Instrument :
 BNA_M
 ClientSampleId :
 MW-4

Tot Ion:330 Resp: 12538
 Ion Ratio Lower Upper
 330 100
 332 83.6 59.2 88.8
 141 20.3 33.0 49.4#

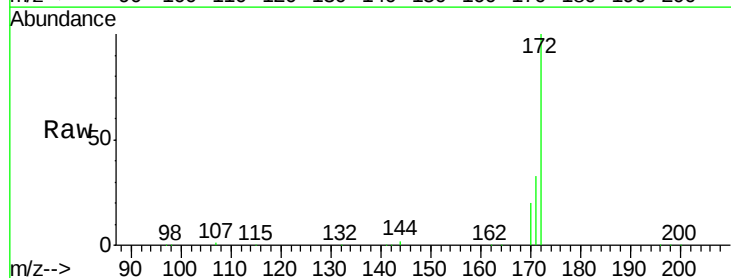


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

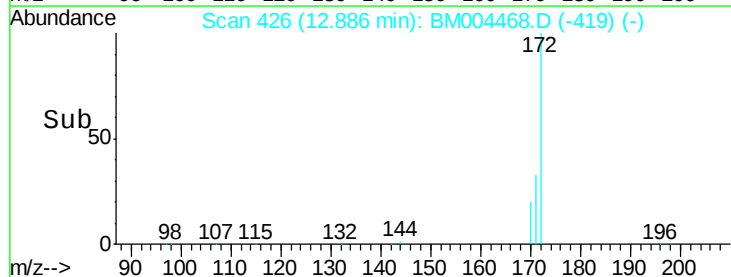
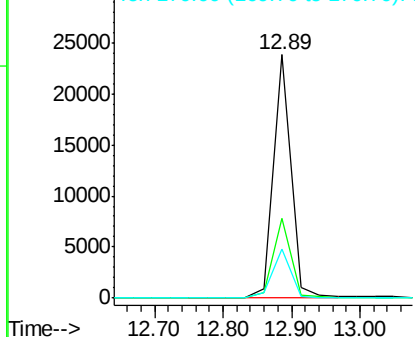


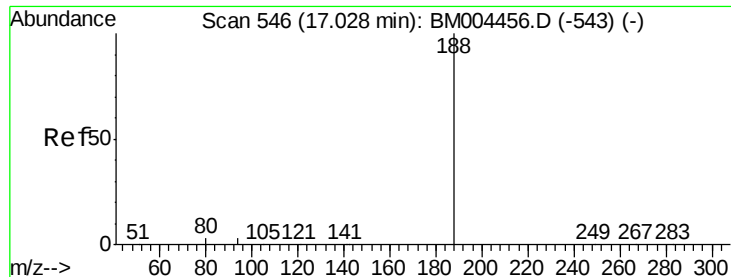
#14
 2-Fluorobiphenyl
 Concen: 4.80 ng
 RT: 12.89 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BM004468.D
 Acq: 29 Feb 2016 03:14

Tgt Ion:172 Resp: 42641
 Ion Ratio Lower Upper
 172 100
 171 32.7 27.2 40.8
 170 20.3 17.4 26.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

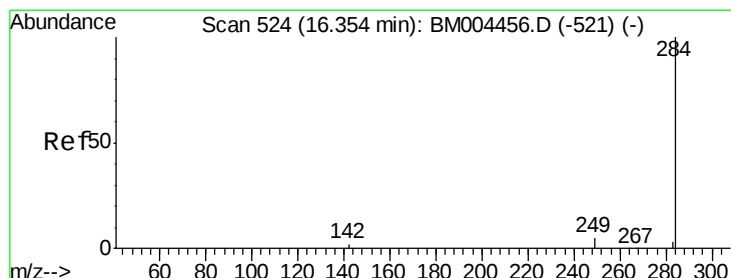
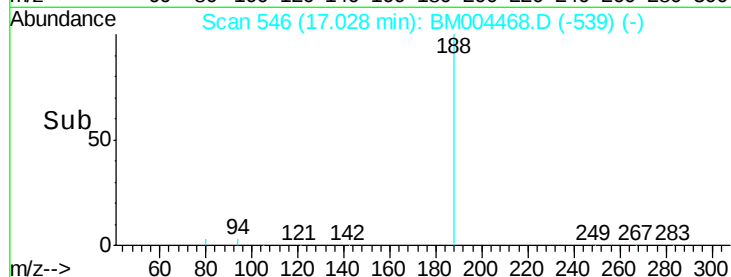
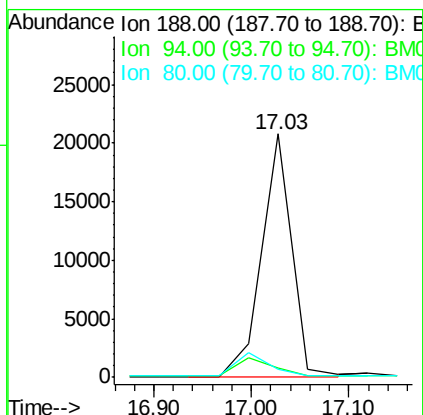
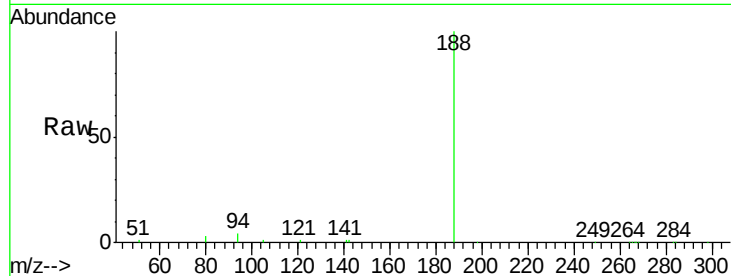




#15
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.03 min Scan# 546
Delta R.T. -0.00 min
Lab File: BM004468.D
Acq: 29 Feb 2016 03:14

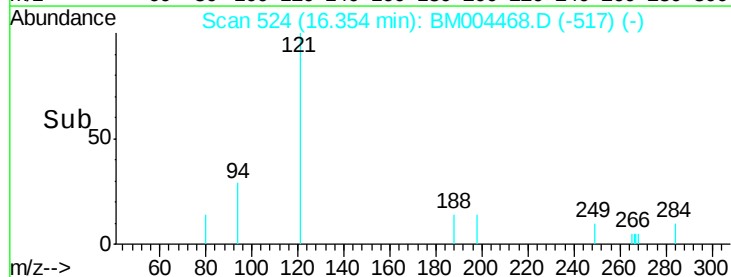
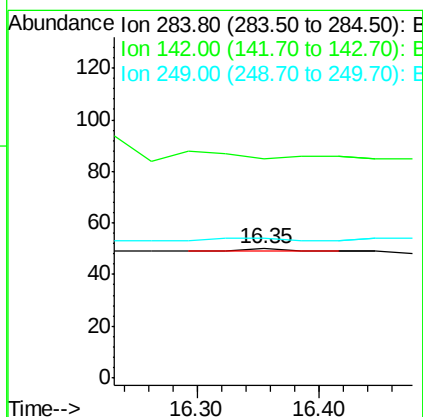
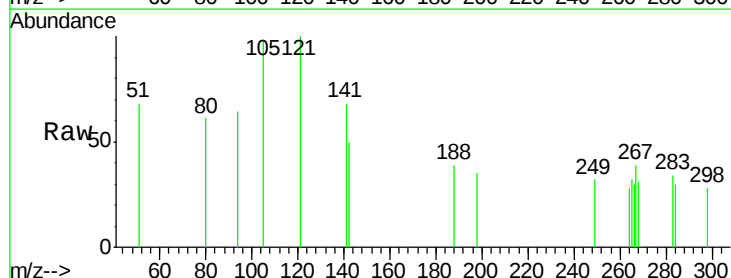
Instrument :
BNA_M
ClientSampled :
MW-4

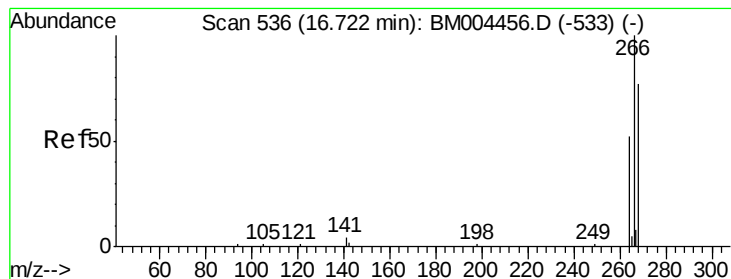
Tot Ion:188 Resp: 44746
Ion Ratio Lower Upper
188 100
94 3.9 2.7 4.1
80 3.2 2.2 3.4



#16
Hexachlorobenzene
Concen: Below Cal
RT: 16.35 min Scan# 524
Delta R.T. 0.00 min
Lab File: BM004468.D
Acq: 29 Feb 2016 03:14

Tgt Ion:284 Resp: 2
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





#17

Pentachlorophenol

Concen: 0.40 ng

RT: 16.72 min Scan# 536

Delta R.T. 0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampleId :

MW-4

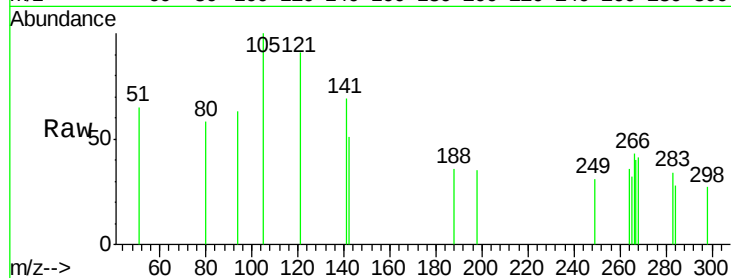
Tot Ion:266 Resp: 75

Ion Ratio Lower Upper

266 100

268 94.7 66.8 100.2

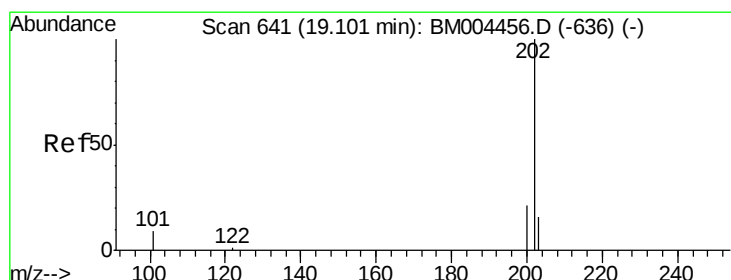
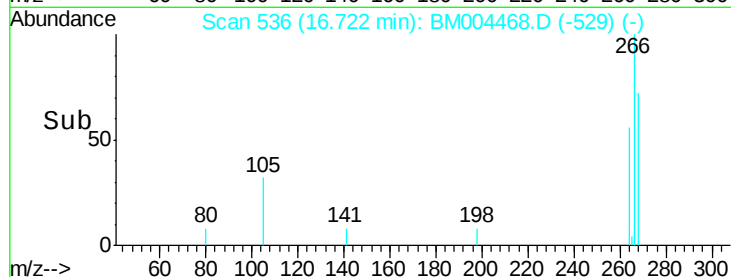
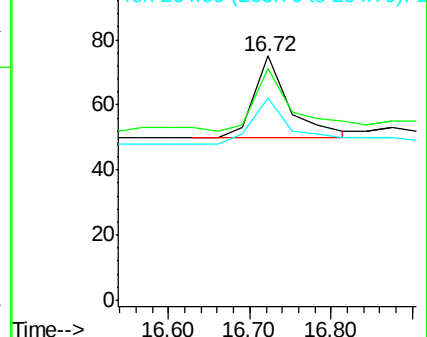
264 82.7 49.4 74.0#



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



#18

Fluoranthene

Concen: 0.14 ng

RT: 19.10 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

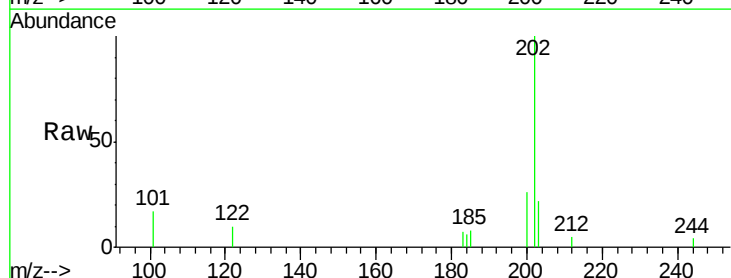
Tgt Ion:202 Resp: 2406

Ion Ratio Lower Upper

202 100

101 15.8 9.4 14.0#

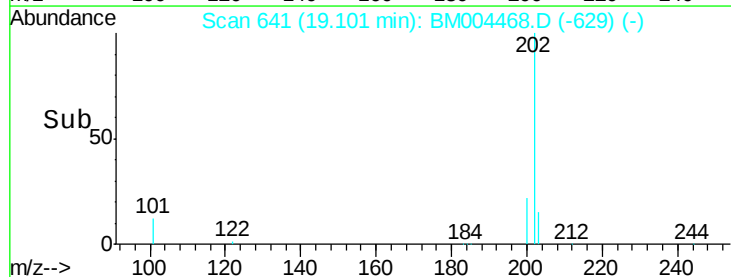
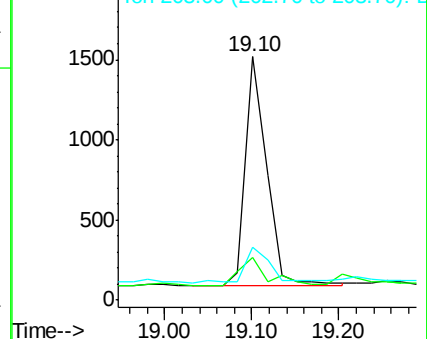
203 17.7 13.9 20.9

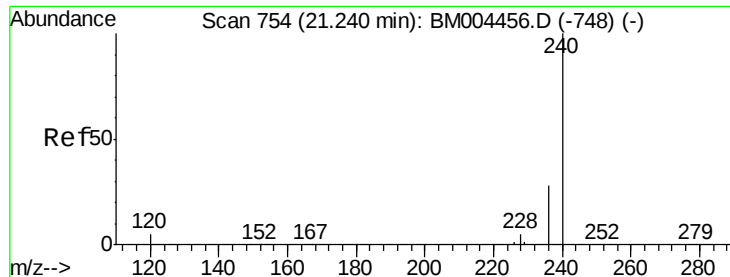


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

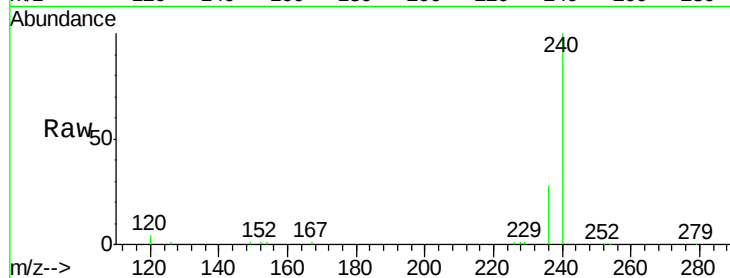




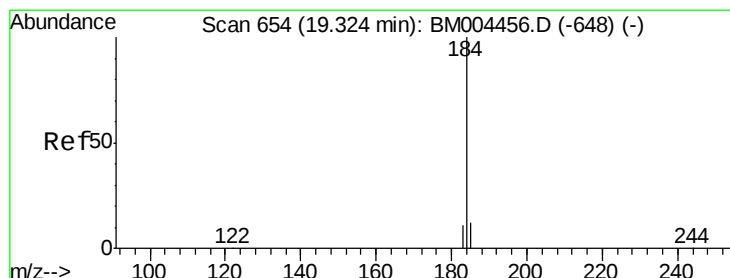
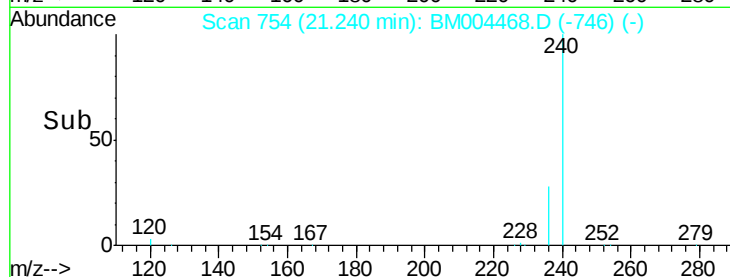
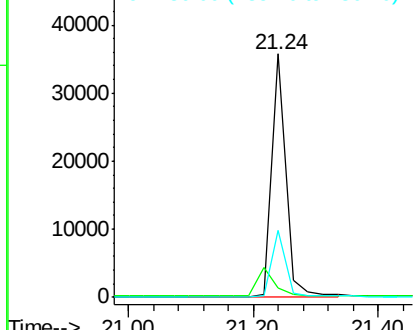
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 754
Delta R.T. -0.00 min
Lab File: BM004468.D
Acq: 29 Feb 2016 03:14

Instrument :
BNA_M
ClientSampleId :
MW-4

Tot Ion:240 Resp: 57044
Ion Ratio Lower Upper
240 100
120 4.0 4.0 6.0
236 27.7 22.7 34.1

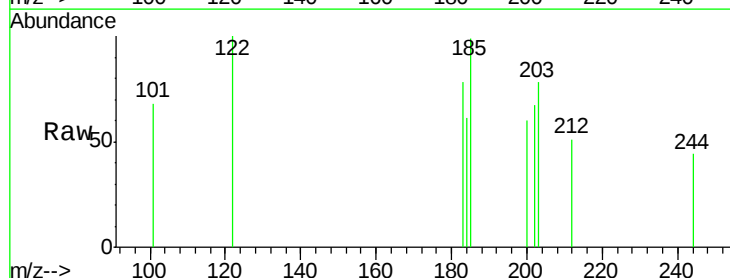


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

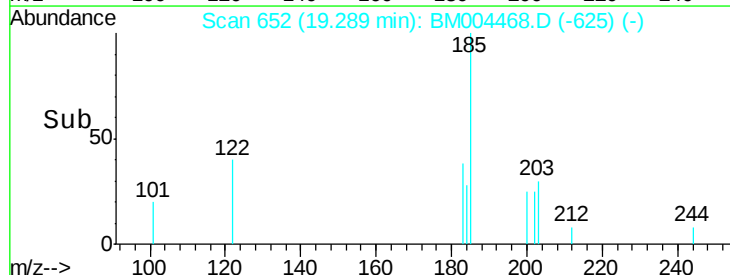
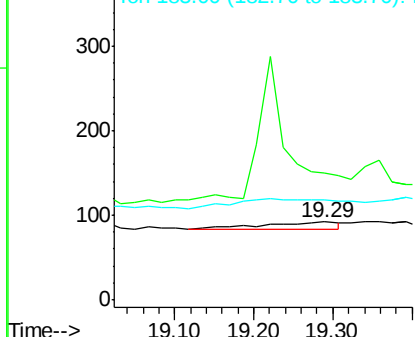


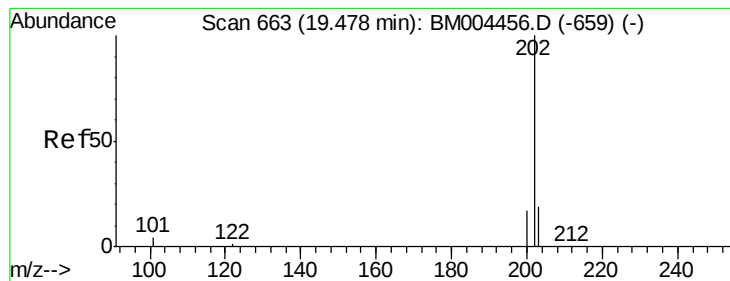
#20
Benzidine
Concen: 0.42 ng
RT: 19.29 min Scan# 652
Delta R.T. -0.03 min
Lab File: BM004468.D
Acq: 29 Feb 2016 03:14

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
185 163.0 20.8 31.2#
183 128.3 18.5 27.7#



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





#21

Pvrene

Concen: 0.13 ng

RT: 19.48 min Scan# 663

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampleId :

MW-4

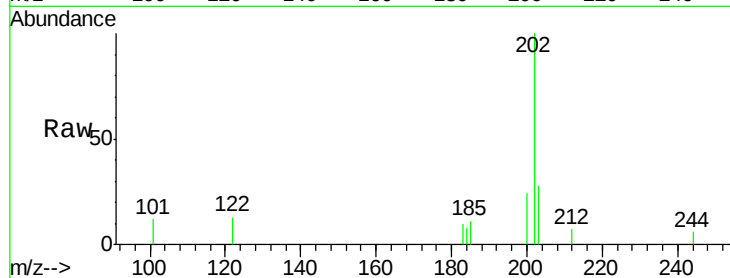
Tot Ion:202 Resp: 2247

Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

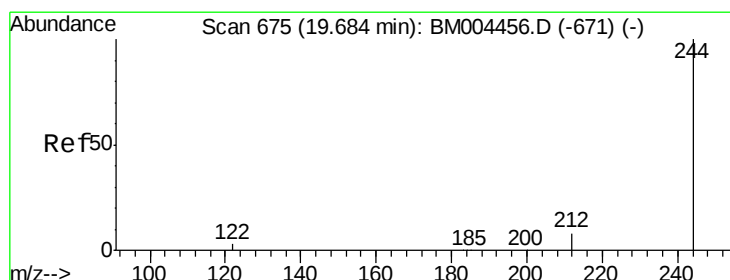
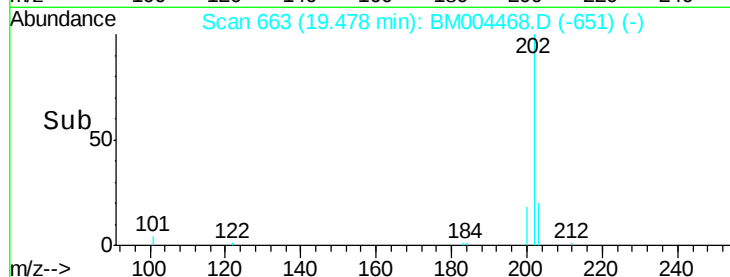
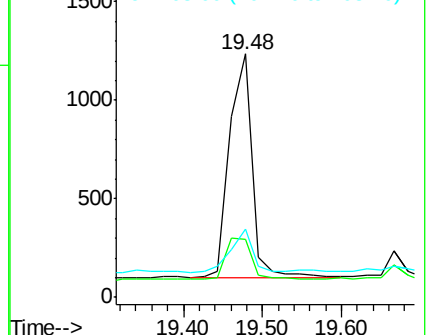
203 19.1 13.9 20.9



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



#22

Terphenyl-d14

Concen: 4.68 ng

RT: 19.67 min Scan# 674

Delta R.T. -0.02 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

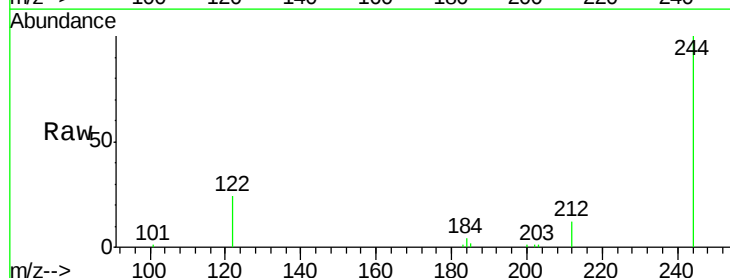
Tgt Ion:244 Resp: 33964

Ion Ratio Lower Upper

244 100

212 12.0 7.4 11.2#

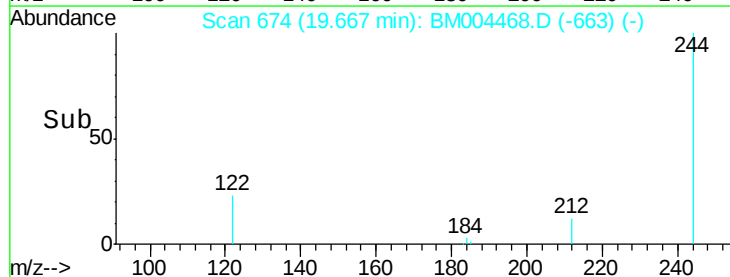
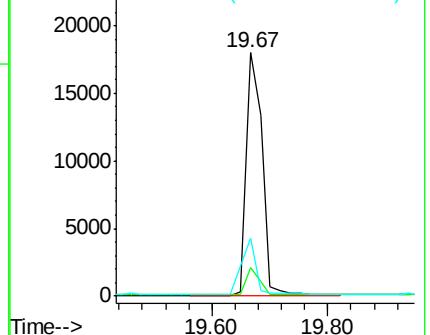
122 24.0 4.2 6.2#

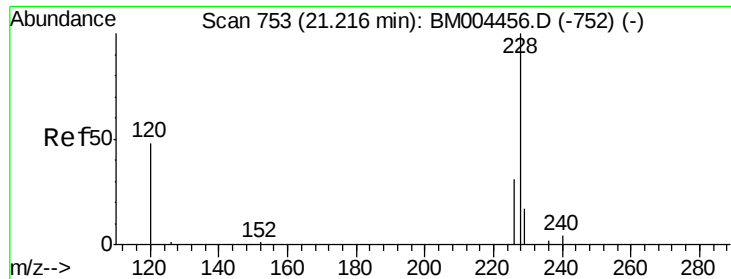


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.23 ng

RT: 21.26 min Scan# 755

Delta R.T. 0.05 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampled :

MW-4

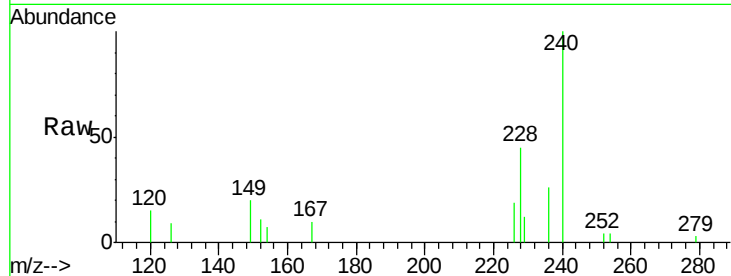
Tot Ion:228 Resp: 3688

Ion Ratio Lower Upper

228 100

226 41.6 25.1 37.7#

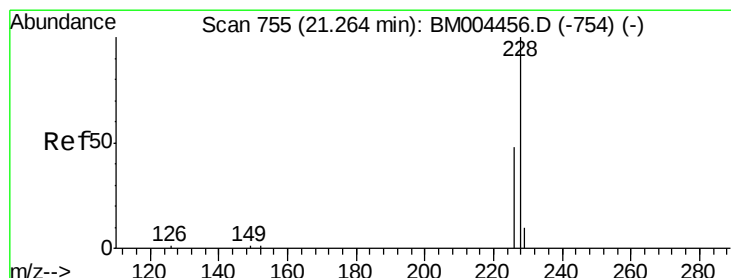
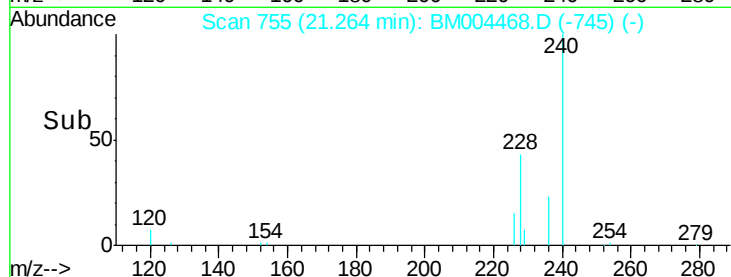
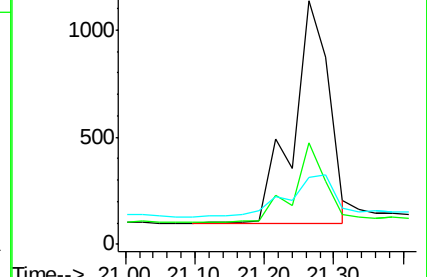
229 27.3 14.2 21.4#



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



#25

Chrysene

Concen: Below Cal

RT: 21.26 min Scan# 755

Delta R.T. 0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

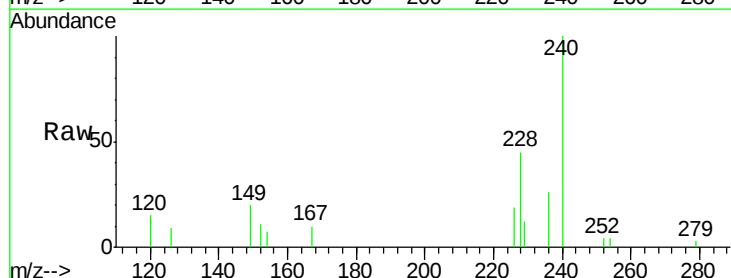
Tgt Ion:228 Resp: 3811

Ion Ratio Lower Upper

228 100

226 41.6 31.0 46.6

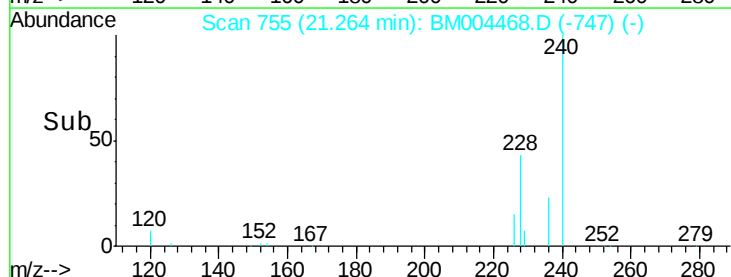
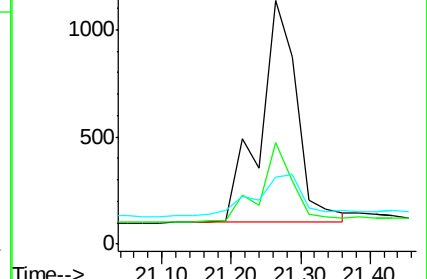
229 27.3 13.4 20.2#

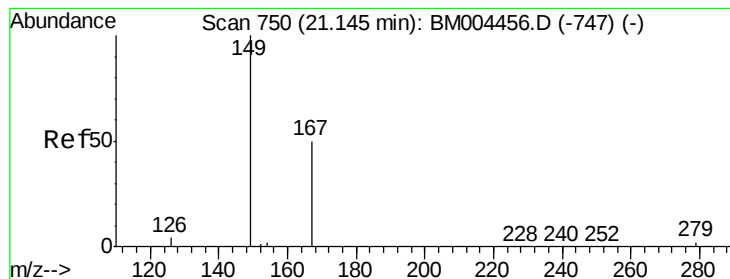


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#26

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.14 min Scan# 750

Delta R.T. 0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampleId :

MW-4

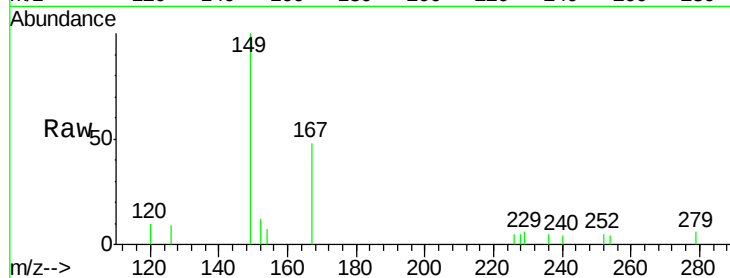
Tot Ion:149 Resp: 3323

Ion Ratio Lower Upper

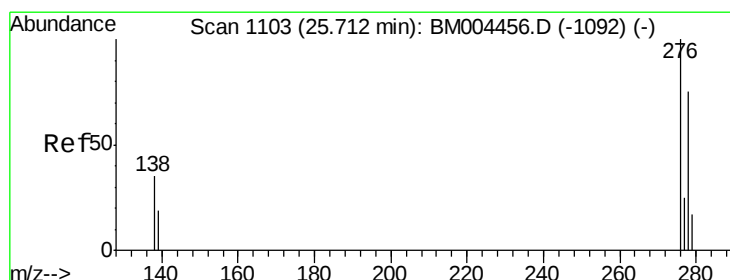
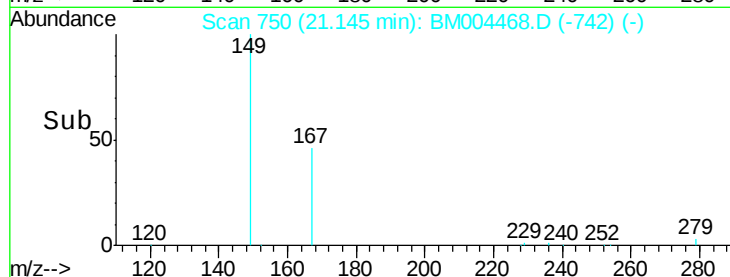
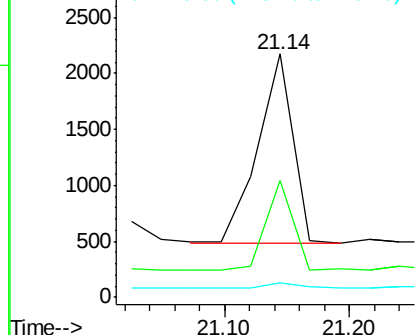
149 100

167 36.8 33.1 49.7

279 3.2 2.0 3.0#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 25.71 min Scan# 1103

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

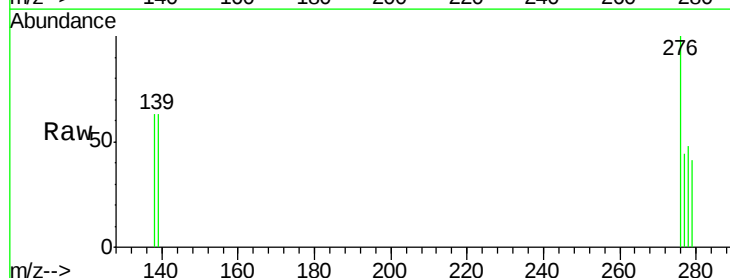
Tgt Ion:276 Resp: 871

Ion Ratio Lower Upper

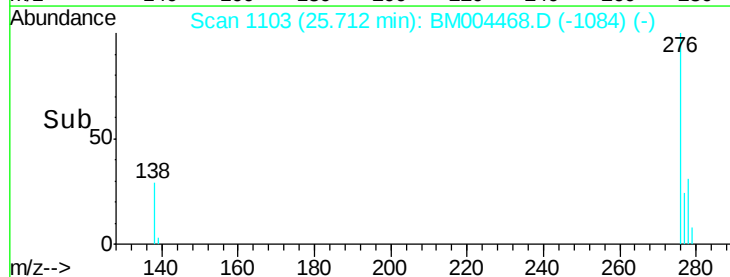
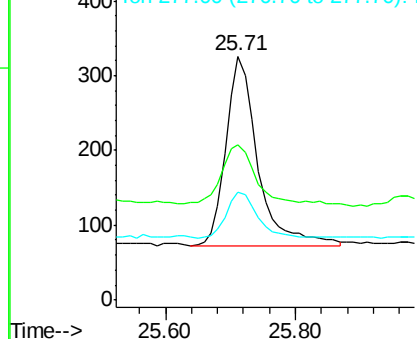
276 100

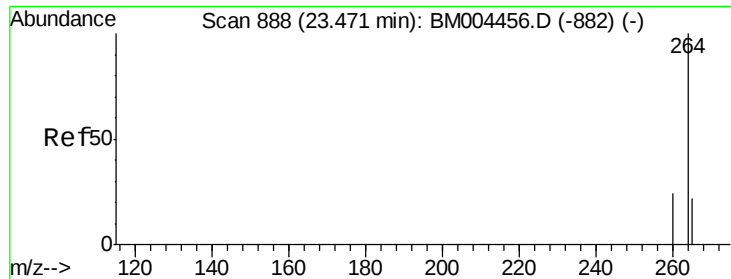
138 32.3 30.0 45.0

277 23.5 19.8 29.8



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

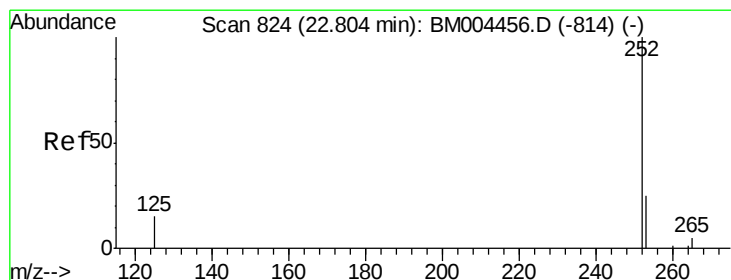
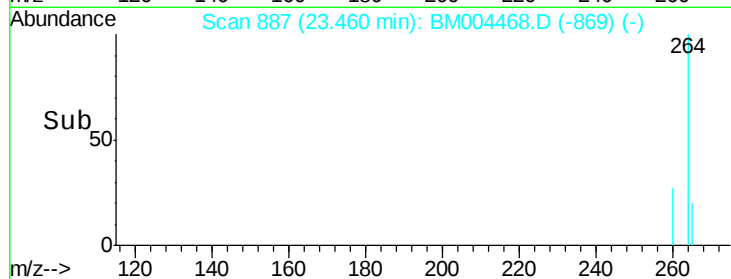
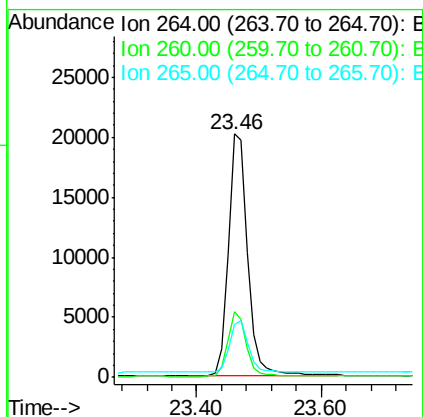
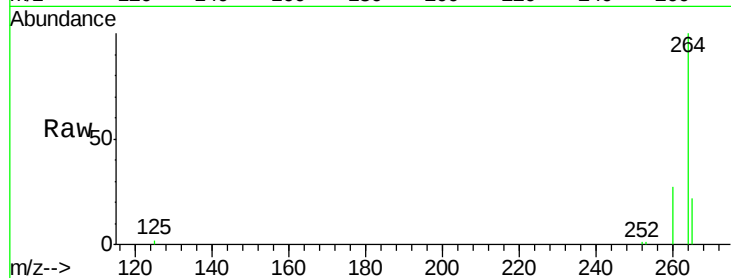




#28
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.46 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: BM004468.D
 Acq: 29 Feb 2016 03:14

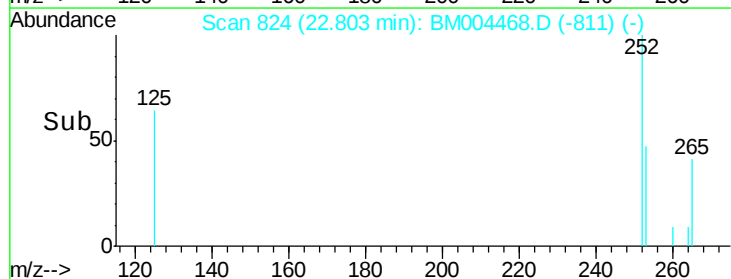
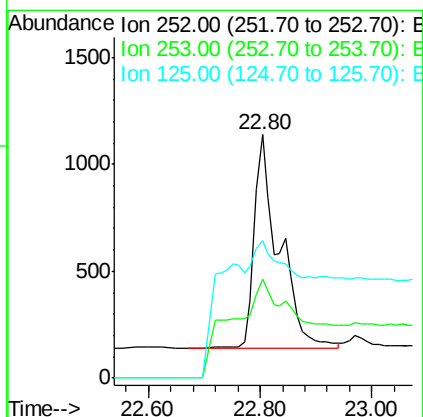
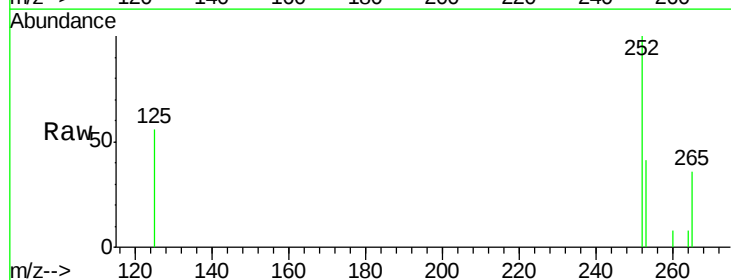
Instrument :
 BNA_M
 ClientSampleId :
 MW-4

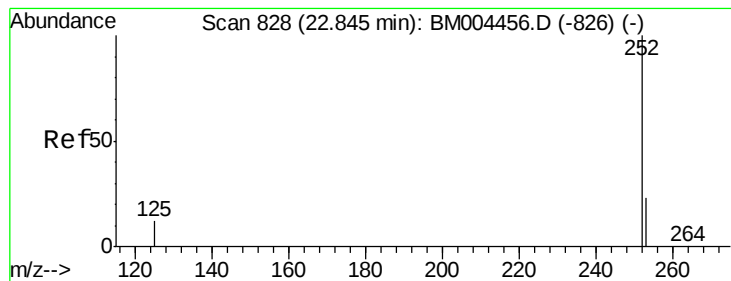
Tot Ion:264 Resp: 44153
 Ion Ratio Lower Upper
 264 100
 260 27.0 19.4 29.2
 265 21.9 18.9 28.3



#29
 Benzo(b)fluoranthene
 Concen: 0.21 ng
 RT: 22.80 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BM004468.D
 Acq: 29 Feb 2016 03:14

Tgt Ion:252 Resp: 3451
 Ion Ratio Lower Upper
 252 100
 253 40.6 19.8 29.6#
 125 56.3 12.2 18.2#





#30

Benzo(k)fluoranthene

Concen: 0.24 ng

RT: 22.80 min Scan# 824

Delta R.T. -0.04 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

Instrument :

BNA_M

ClientSampleId :

MW-4

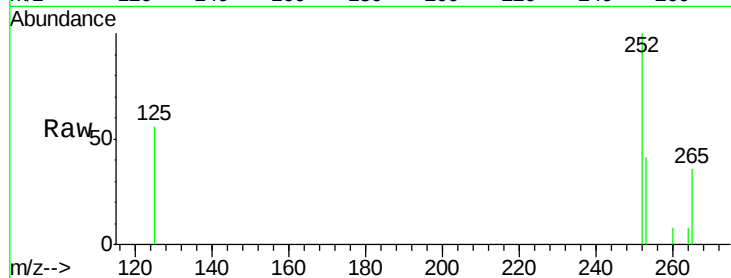
Tot Ion:252 Resp: 3451

Ion Ratio Lower Upper

252 100

253 40.6 19.3 28.9#

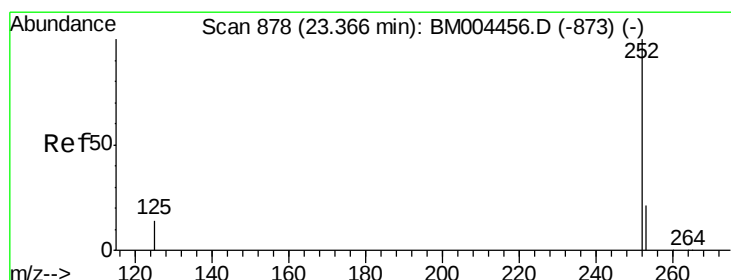
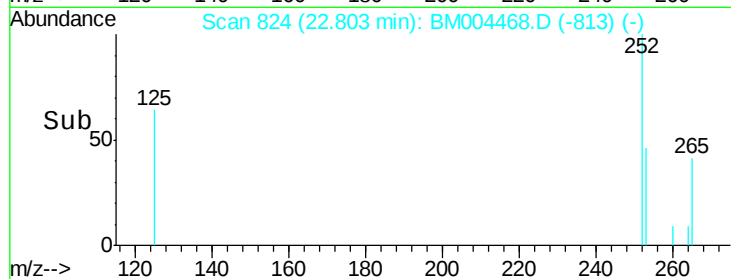
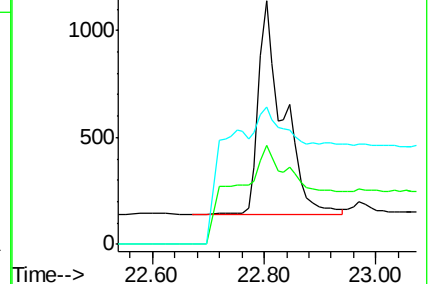
125 56.3 12.4 18.6#



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



#31

Benzo(a)pyrene

Concen: 0.04 ng

RT: 23.37 min Scan# 878

Delta R.T. -0.00 min

Lab File: BM004468.D

Acq: 29 Feb 2016 03:14

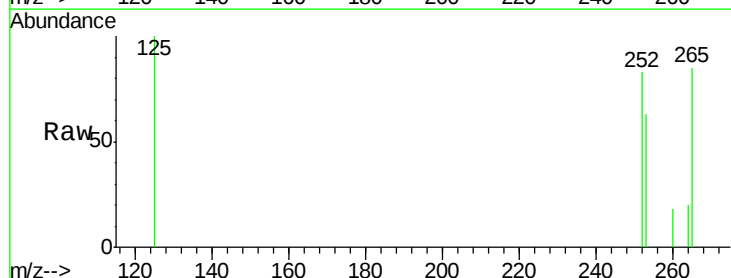
Tgt Ion:252 Resp: 477

Ion Ratio Lower Upper

252 100

253 75.2 19.3 28.9#

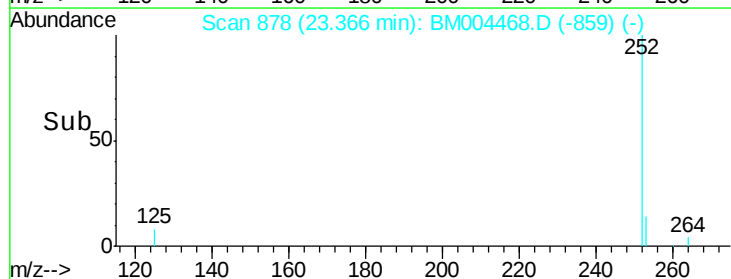
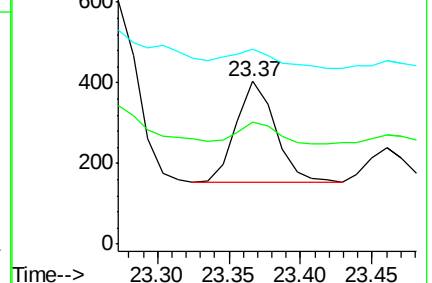
125 119.9 14.4 21.6#

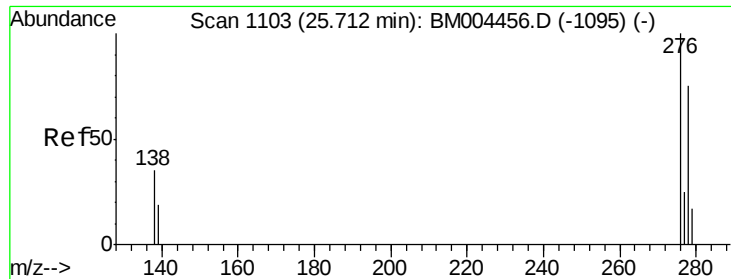


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

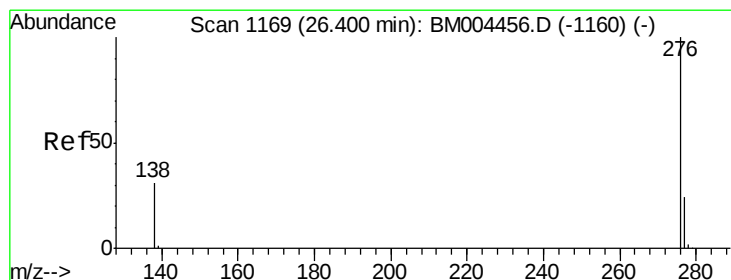
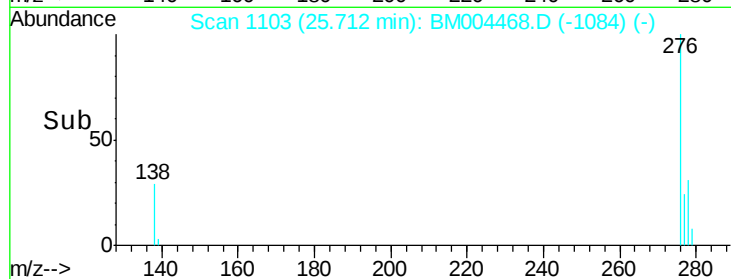
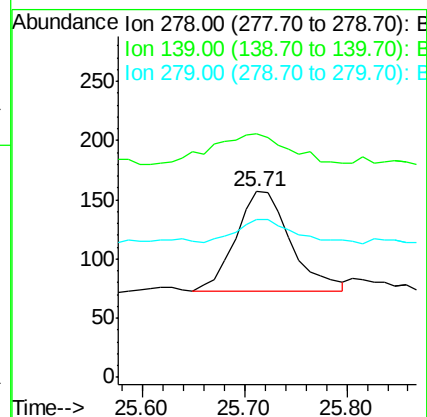
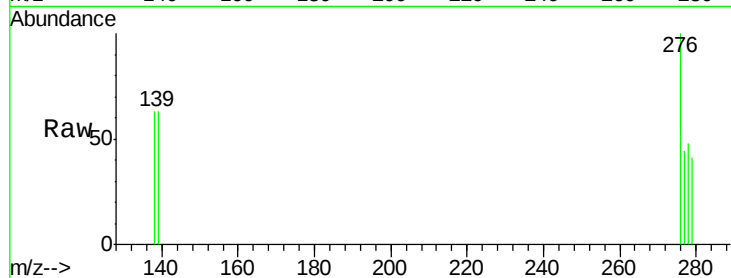




#32
 Dibenzo(a,h)anthracene
 Concen: 0.03 ng
 RT: 25.71 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: BM004468.D
 Acq: 29 Feb 2016 03:14

Instrument :
 BNA_M
 ClientSampleId :
 MW-4

Tot Ion:278 Resp: 316
 Ion Ratio Lower Upper
 278 100
 139 131.2 22.3 33.5#
 279 84.7 20.7 31.1#



#33
 Benzo(g,h,i)perylene
 Concen: 0.07 ng
 RT: 26.40 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BM004468.D
 Acq: 29 Feb 2016 03:14

Tgt Ion:276 Resp: 950
 Ion Ratio Lower Upper
 276 100
 277 41.4 20.4 30.6#
 138 61.7 26.4 39.6#

