

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004471.D
 Acq On : 29 Feb 2016 05:02
 Operator : SJ/UM
 Sample : H1509-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-2

Quant Time: Feb 29 06:34:35 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

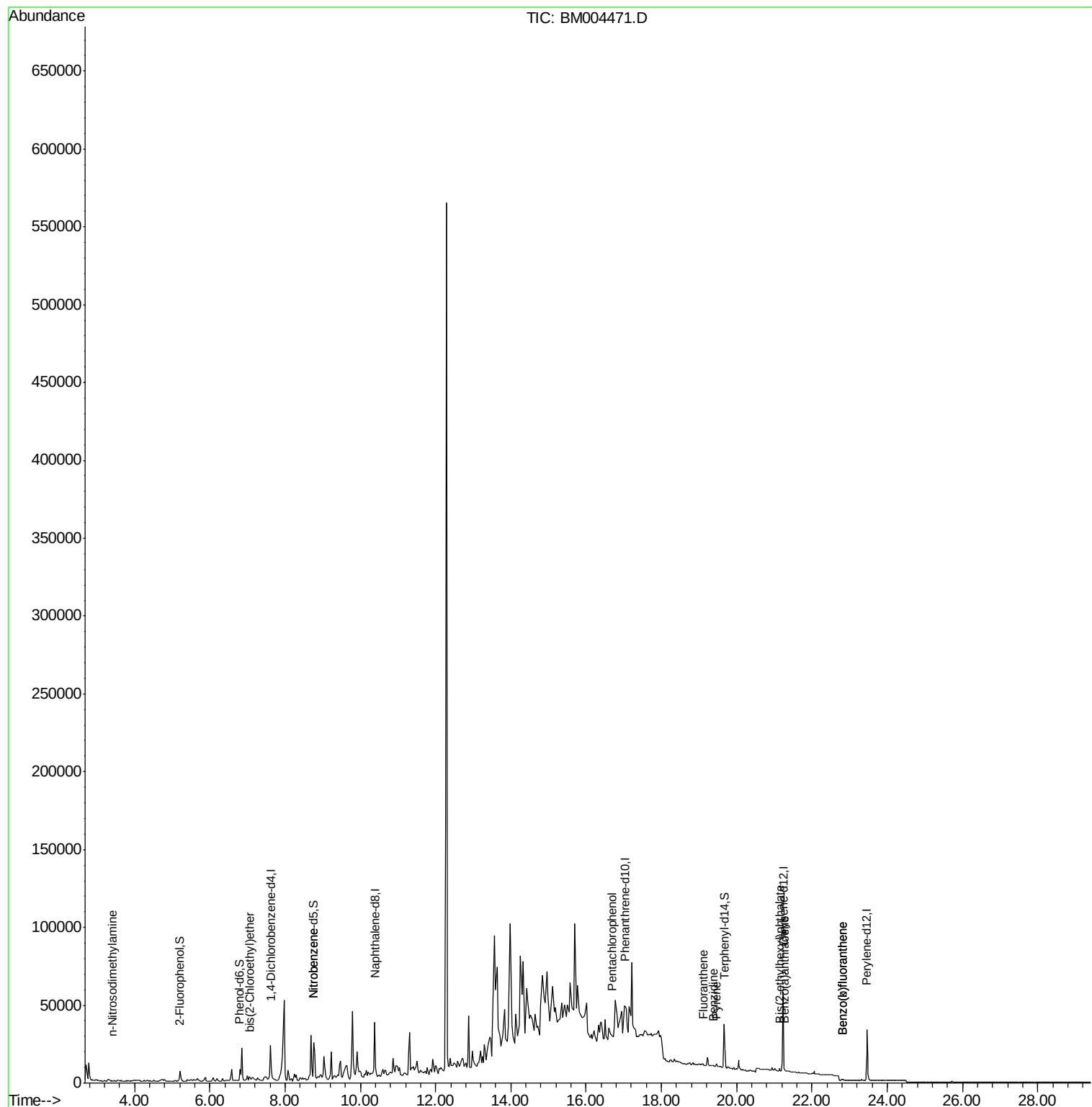
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	13311	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	51997	5.00	ng	0.00
12) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.25
15) Phenanthrene-d10	17.03	188	43580	5.00	ng	0.00
19) Chrysene-d12	21.24	240	58790	5.00	ng	0.00
28) Perylene-d12	23.46	264	45056	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	7592	2.59	ng	0.00
5) Phenol-d6	6.80	99	6305	1.90	ng	-0.03
8) Nitrobenzene-d5	8.76	82	11816	4.11	ng	-0.02
13) 2,4,6-Tribromophenol	15.78	330	16139	0.00	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	42541	0.00	ng	0.00
22) Terphenyl-d14	19.67	244	32765	4.38	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.40	42	269	0.27	ng	# 79
6) bis(2-Chloroethyl)ether	7.07	93	194	0.07	ng	# 41
9) Nitrobenzene	8.76	77	12211	3.83	ng	# 1
16) Hexachlorobenzene	16.29	284	6	Below Cal	#	100
17) Pentachlorophenol	16.69	266	257	0.55	ng	# 78
18) Fluoranthene	19.10	202	906	0.05	ng	# 39
20) Benzydine	19.39	184	305	0.47	ng	# 1
21) Pyrene	19.46	202	2465	0.14	ng	# 79
23) Benzo(a)anthracene	21.26	228	1319	0.08	ng	# 22
25) Chrysene	21.26	228	1351	Below Cal	#	36
26) Bis(2-ethylhexyl)phthalate	21.14	149	2588	0.13	ng	# 99
29) Benzo(b)fluoranthene	22.80	252	581	0.03	ng	# 1
30) Benzo(k)fluoranthene	22.80	252	581	0.04	ng	# 1

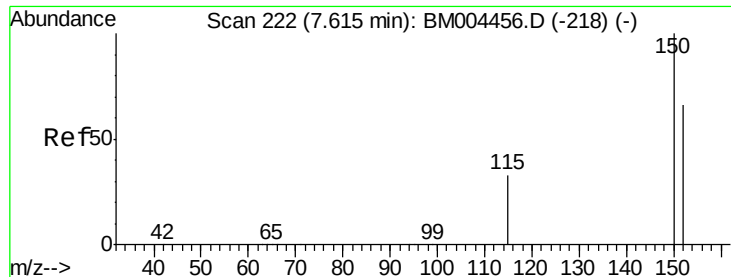
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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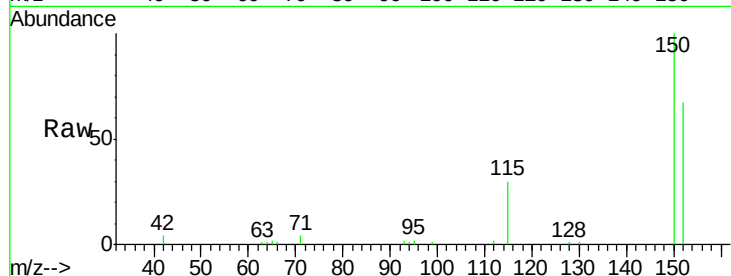


#1

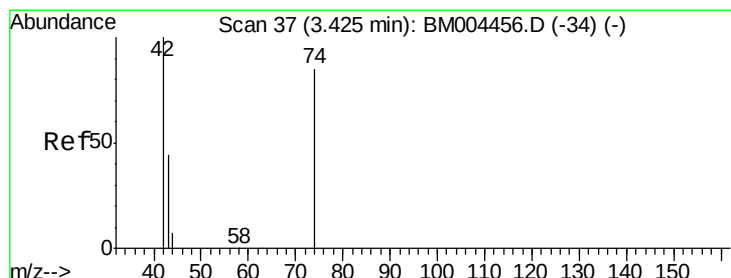
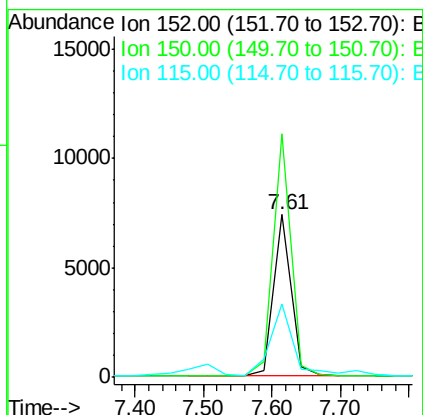
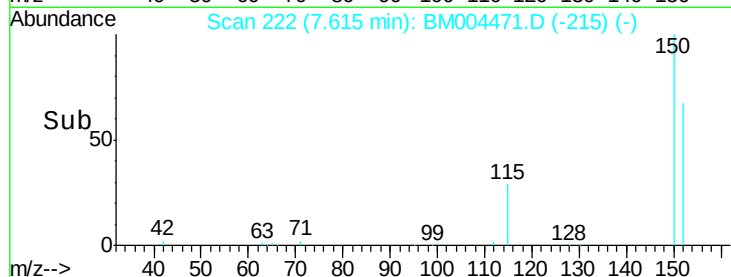
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. 0.00 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

Instrument :
BNA_M
ClientSampleId :
MW-2

Tot Ion:152 Resp: 13311
Ion Ratio Lower Upper
152 100
150 149.8 123.9 185.9
115 45.0 40.6 61.0



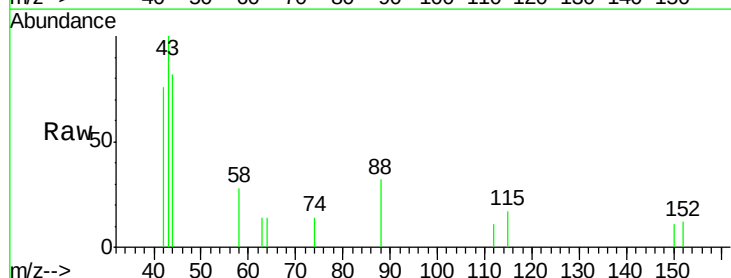
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



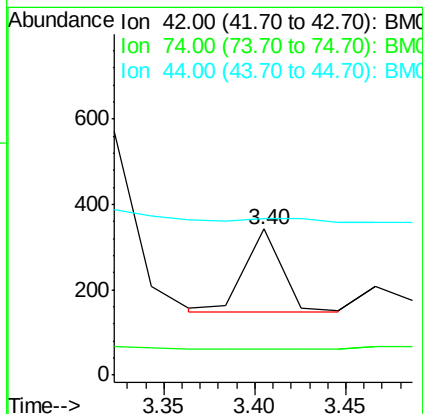
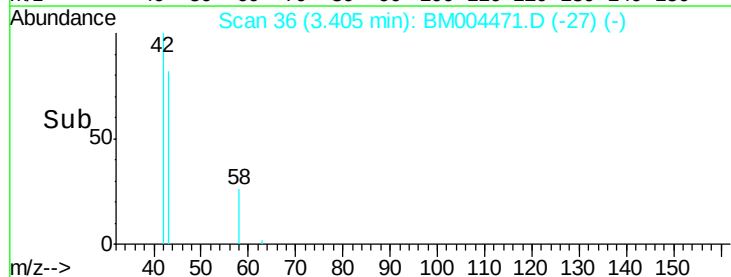
#3

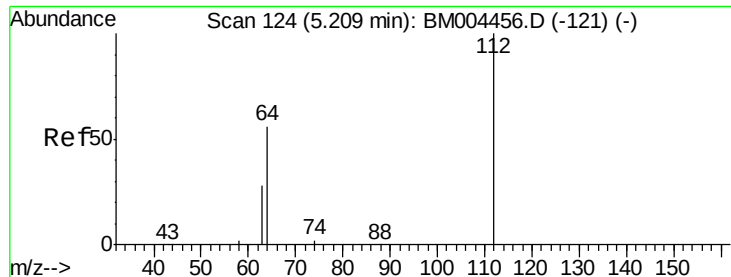
n-Nitrosodimethylamine
Concen: 0.27 ng
RT: 3.40 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

Tgt Ion: 42 Resp: 269
Ion Ratio Lower Upper
42 100
74 0.0 0.0 0.0
44 0.0 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: 2.59 ng

RT: 5.21 min Scan# 124

Delta R.T. 0.00 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Instrument :

BNA_M

ClientSampleId :

MW-2

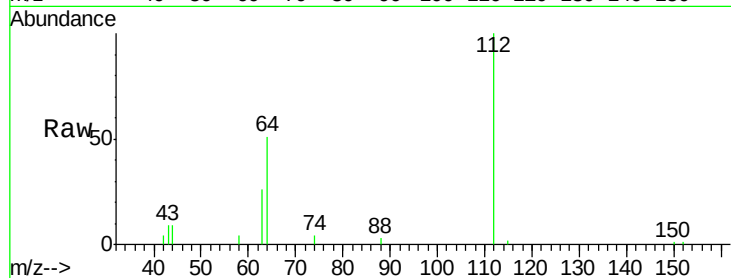
Tot Ion:112 Resp: 7592

Ion Ratio Lower Upper

112 100

64 46.1 39.4 59.2

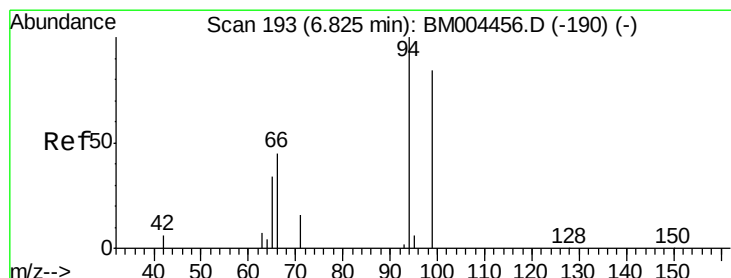
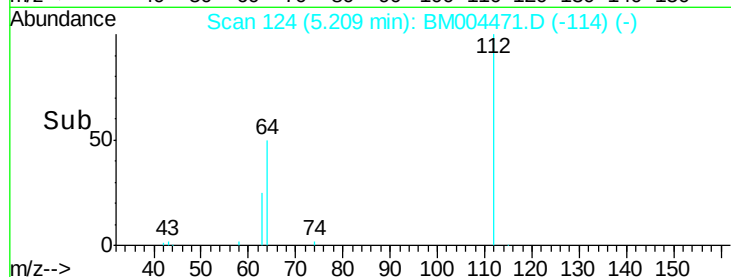
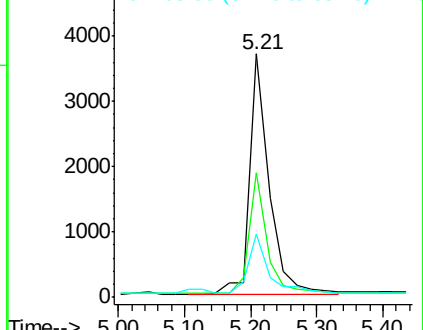
63 25.5 19.9 29.9



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: 1.90 ng

RT: 6.80 min Scan# 192

Delta R.T. -0.03 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

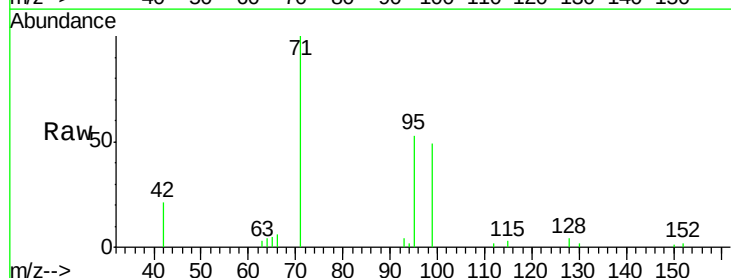
Tgt Ion: 99 Resp: 6305

Ion Ratio Lower Upper

99 100

42 30.7 0.0 0.0#

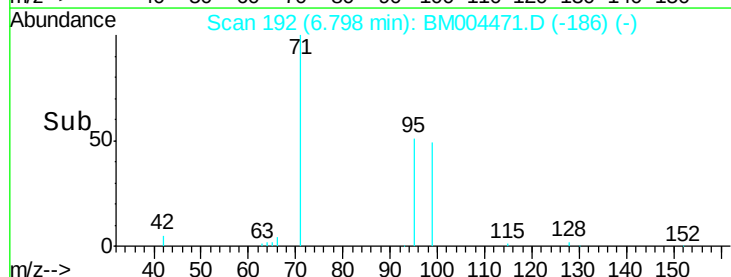
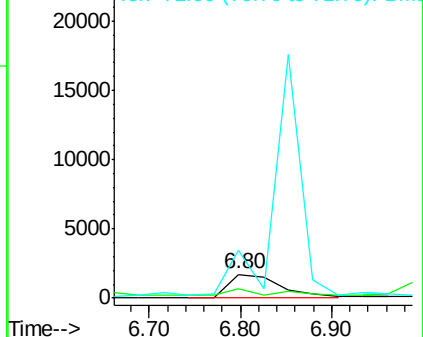
71 0.0 0.0 0.0

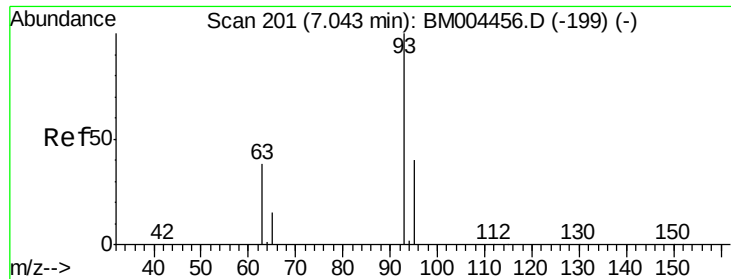


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.07 min Scan# 202

Delta R.T. 0.03 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Instrument :

BNA_M

ClientSampleId :

MW-2

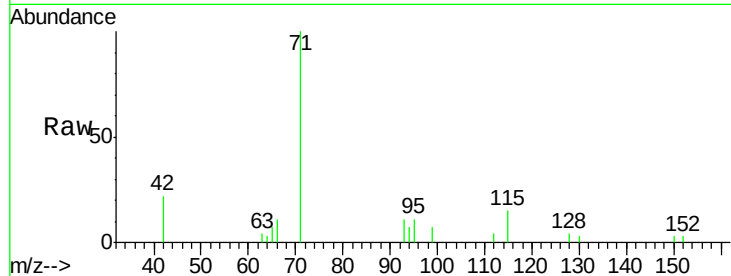
Tot Ion: 93 Resp: 194

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

95 0.0 27.1 40.7#

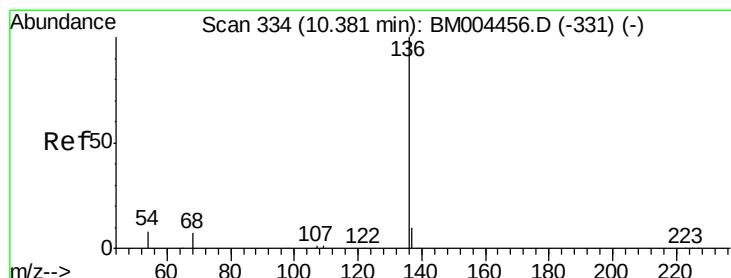
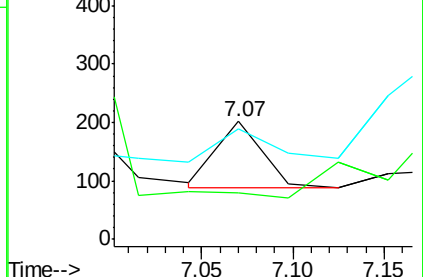
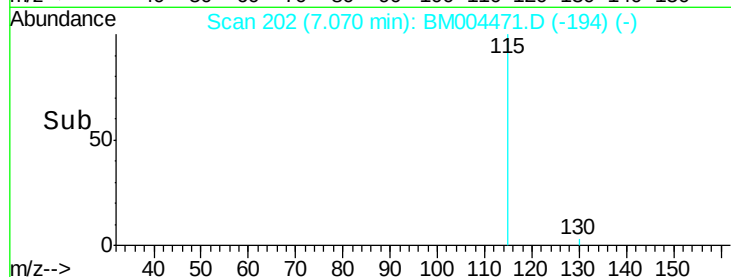


Abundance Ion 93.00 (92.70 to 93.70): BM004456.D (-199) (-)

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

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

Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. 0.00 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Tgt Ion: 136 Resp: 51997

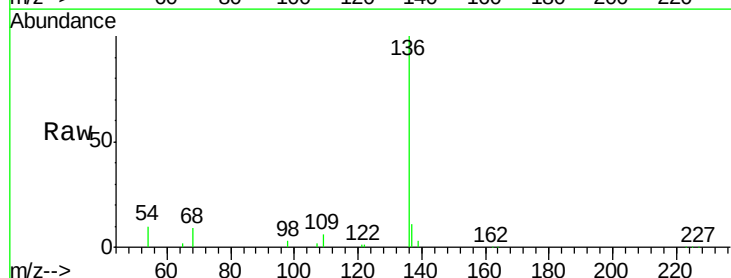
Ion Ratio Lower Upper

136 100

137 10.5 8.0 12.0

54 9.6 7.0 10.6

68 9.3 5.8 8.6#



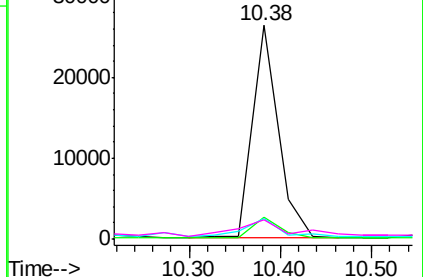
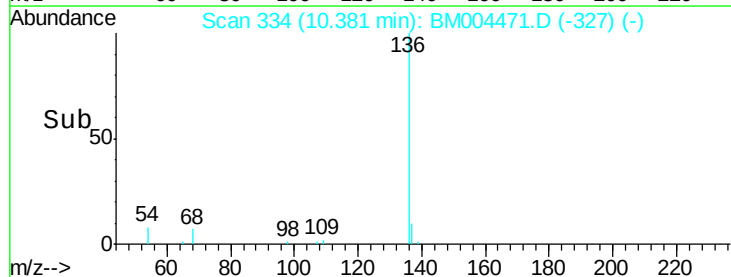
Abundance Ion 136.00 (135.70 to 136.70): BM004456.D (-331) (-)

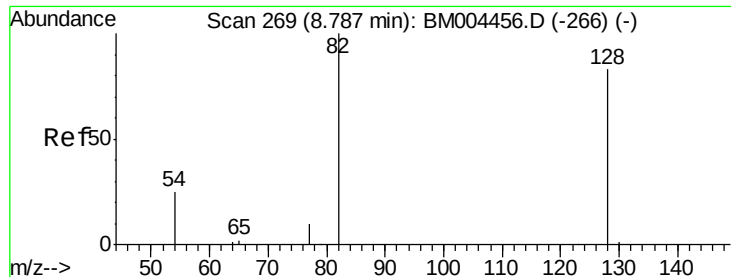
Ion 137.00 (136.70 to 137.70): BM004456.D (-331) (-)

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

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

Time-->





#8

Nitrobenzene-d5

Concen: 4.11 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.02 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Instrument :

BNA_M

ClientSampleId :

MW-2

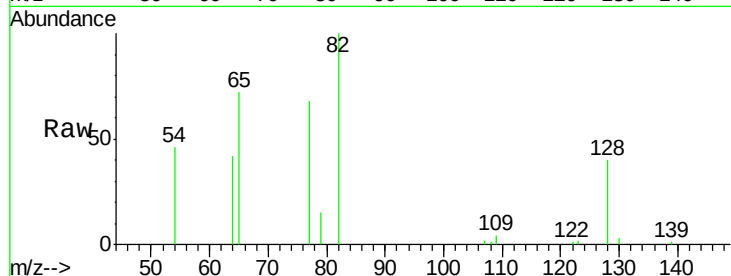
Tot Ion: 82 Resp: 11816

Ion Ratio Lower Upper

82 100

128 40.0 67.0 100.6#

54 46.1 25.2 37.8#



Abundance Ion 82.00 (81.70 to 82.70): BM004471.D (-261) (-)

Ion 128.00 (127.70 to 128.70): BM004471.D (-261) (-)

Ion 54.00 (53.70 to 54.70): BM004471.D (-261) (-)

8.76

6000

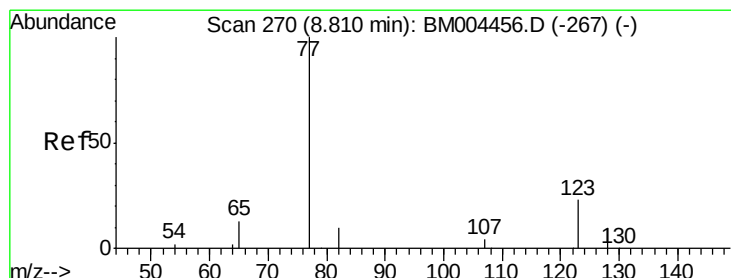
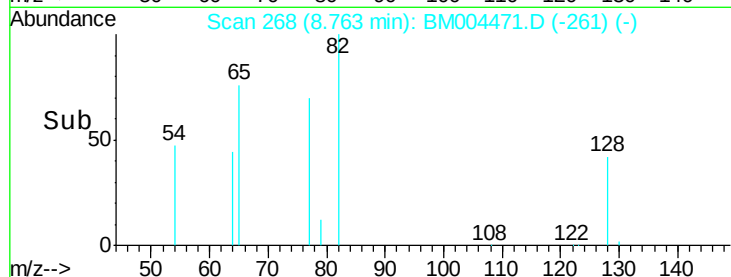
4000

2000

0

8.70 8.75 8.80 8.85

Time-->



#9

Nitrobenzene

Concen: 3.83 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.05 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

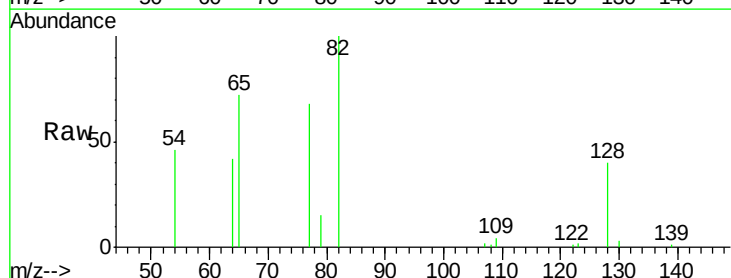
Tgt Ion: 77 Resp: 12211

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

65 80.6 10.1 15.1#



Abundance Ion 77.00 (76.70 to 77.70): BM004471.D (-262) (-)

Ion 123.00 (122.70 to 123.70): BM004471.D (-262) (-)

Ion 65.00 (64.70 to 65.70): BM004471.D (-262) (-)

8.76

15000

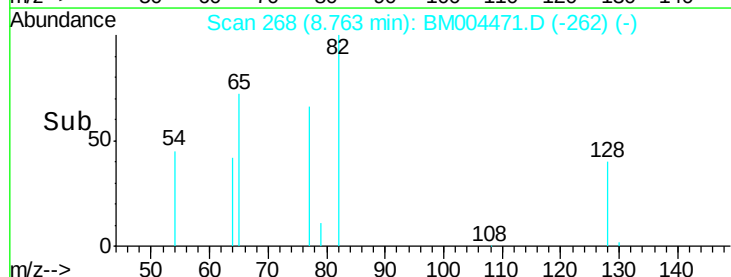
10000

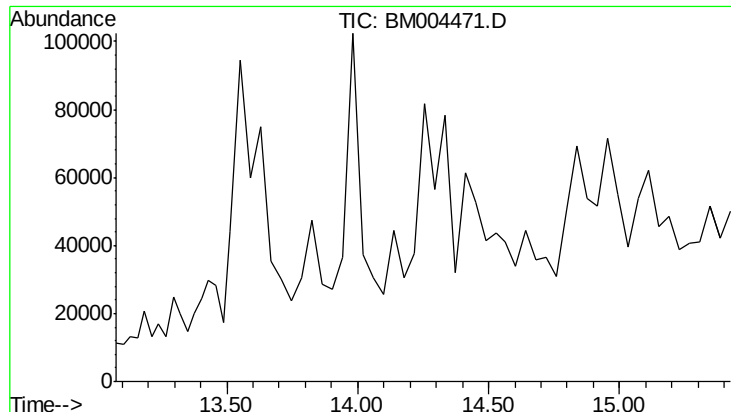
5000

0

8.70 8.75 8.80 8.85

Time-->





#12

Acenaphthene-d10

Concen: 0.00 ng

Expected RT: 14.25 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Tot Ion: 164

Sig Exp Ratio

164 100

162 118.2

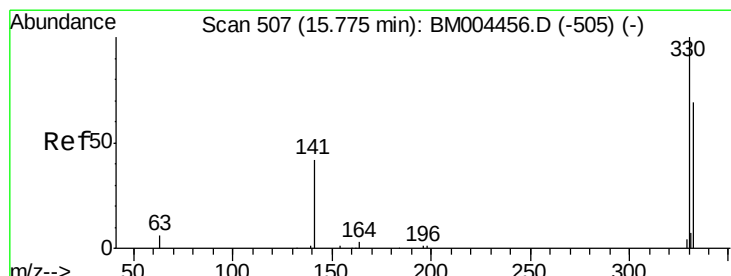
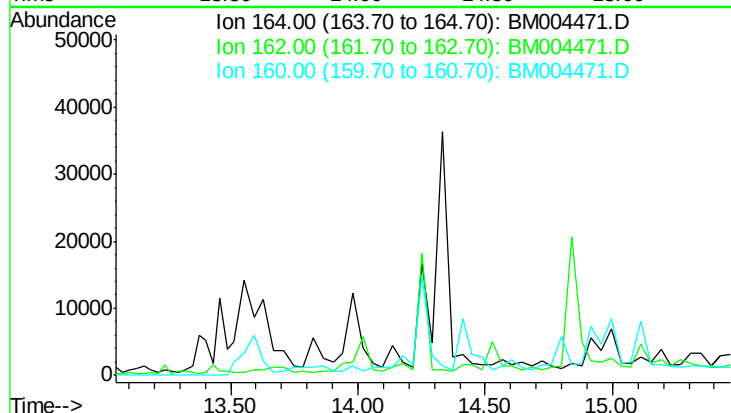
160 58.7

Instrument :

BNA_M

ClientSampleId :

MW-2



#13

2,4,6-Tribromophenol

Concen: 0.00 ng

RT: 15.78 min Scan# 507

Delta R.T. 0.00 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

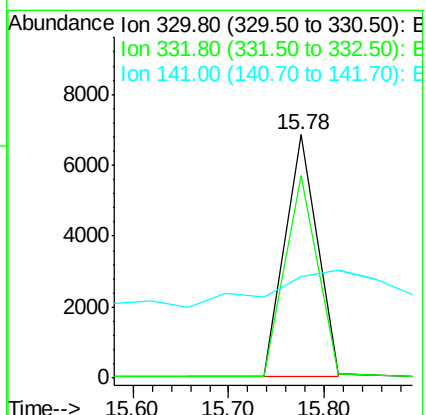
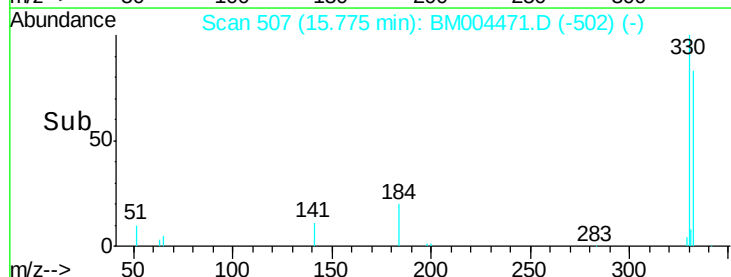
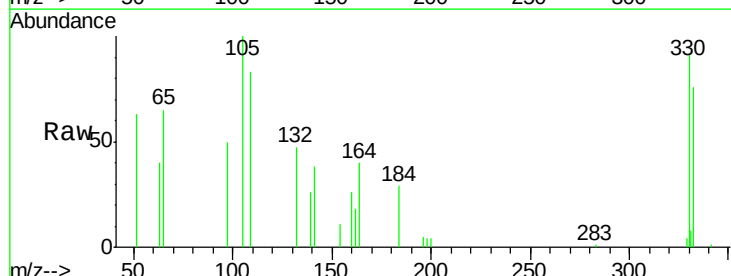
Tgt Ion: 330 Resp: 16139

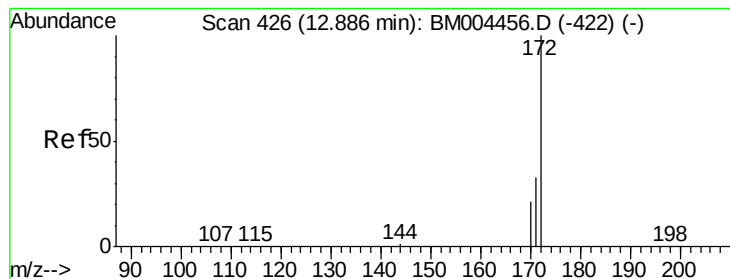
Ion Ratio Lower Upper

330 100

332 83.6 59.2 88.8

141 0.0 33.0 49.4#





#14

2-Fluorobiphenyl

Concen: 0.00 ng

RT: 12.89 min Scan# 426

Delta R.T. 0.00 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Instrument :

BNA_M

ClientSampleId :

MW-2

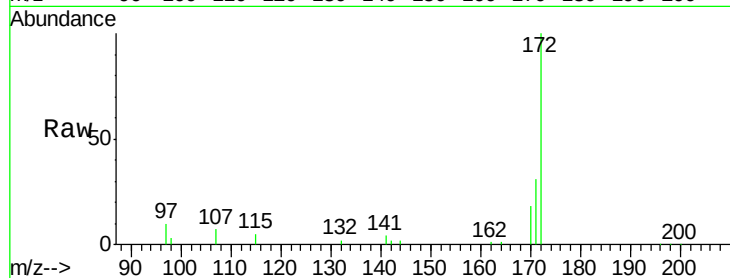
Tot Ion:172 Resp: 42541

Ion Ratio Lower Upper

172 100

171 30.9 27.2 40.8

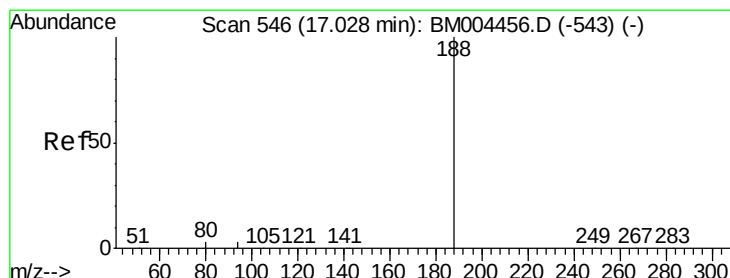
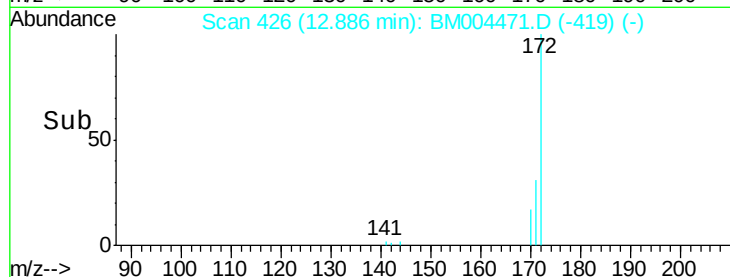
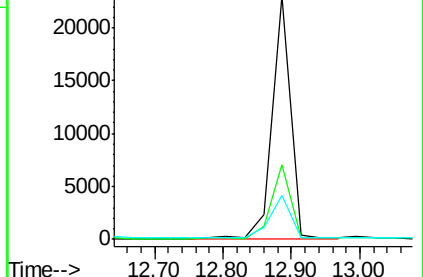
170 18.0 17.4 26.0



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: BM004471.D

Acq: 29 Feb 2016 05:02

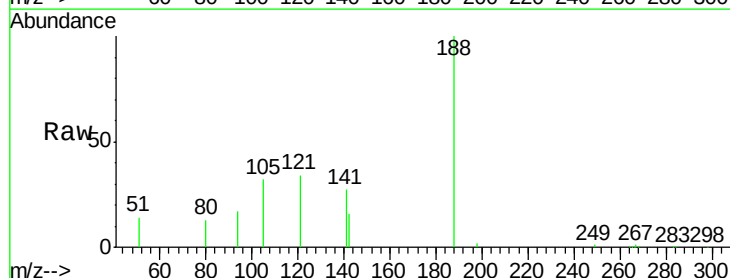
Tgt Ion:188 Resp: 43580

Ion Ratio Lower Upper

188 100

94 16.6 2.7 4.1#

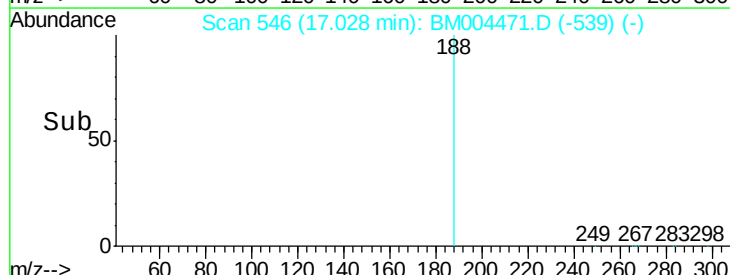
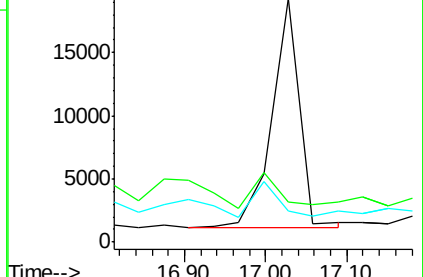
80 12.6 2.2 3.4#

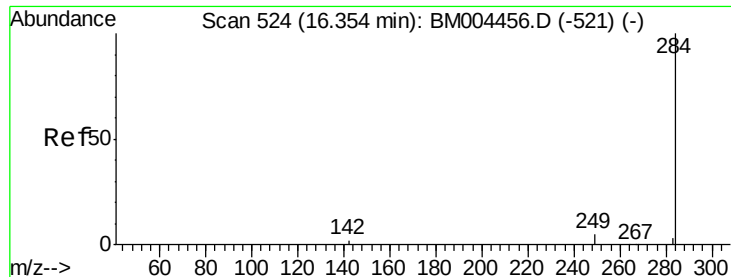


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

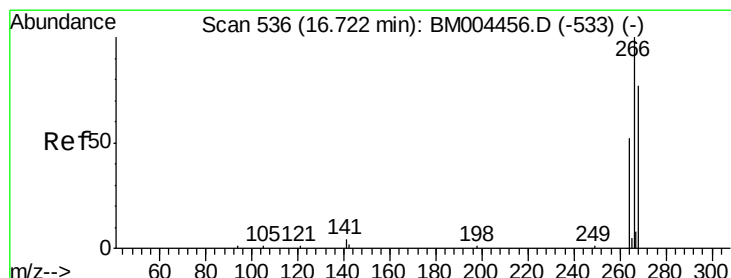
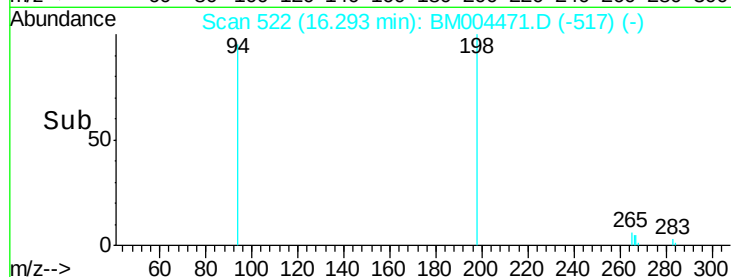
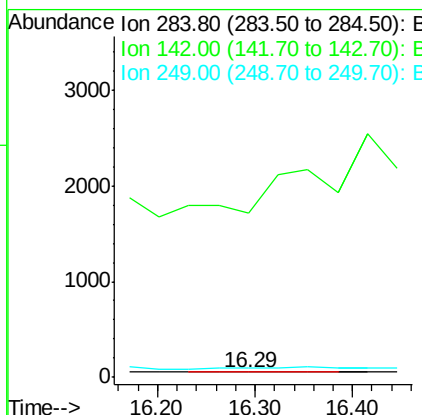
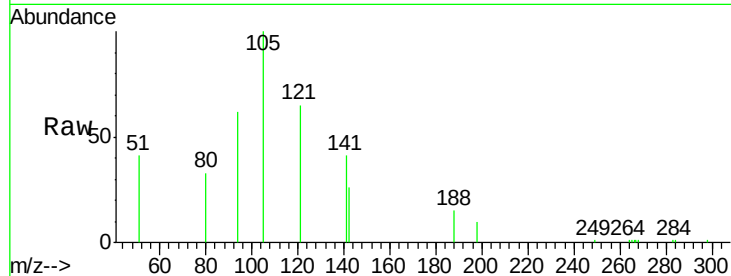




#16
Hexachlorobenzene
Concen: Below Cal
RT: 16.29 min Scan# 522
Delta R.T. -0.06 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

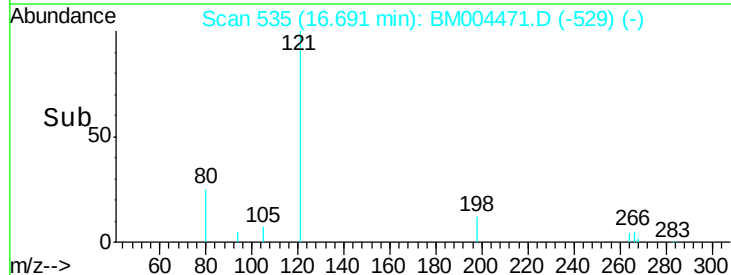
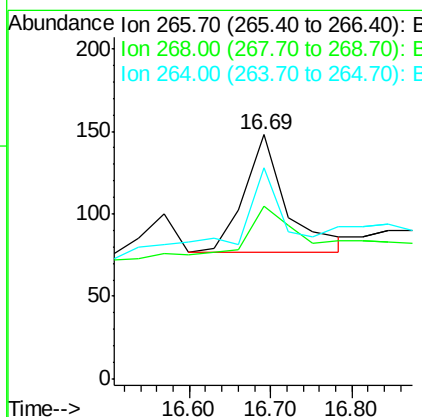
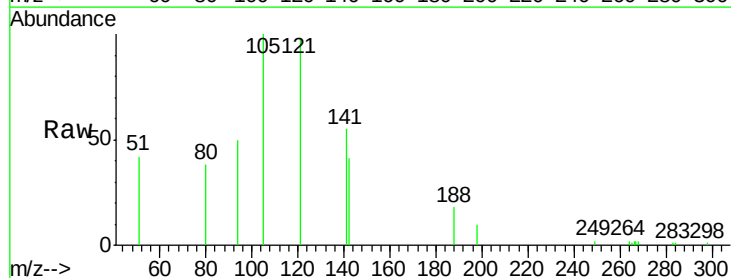
Instrument :
BNA_M
ClientSampleId :
MW-2

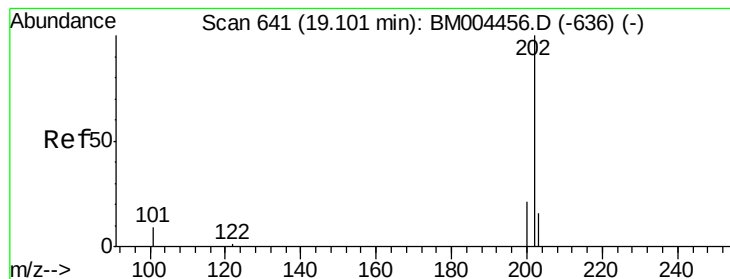
Tot Ion:284 Resp: 6
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#17
Pentachlorophenol
Concen: 0.55 ng
RT: 16.69 min Scan# 535
Delta R.T. -0.03 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

Tgt Ion:266 Resp: 257
Ion Ratio Lower Upper
266 100
268 70.9 66.8 100.2
264 86.5 49.4 74.0#





#18

Fluoranthene

Concen: 0.05 ng

RT: 19.10 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Instrument :

BNA_M

ClientSampleId :

MW-2

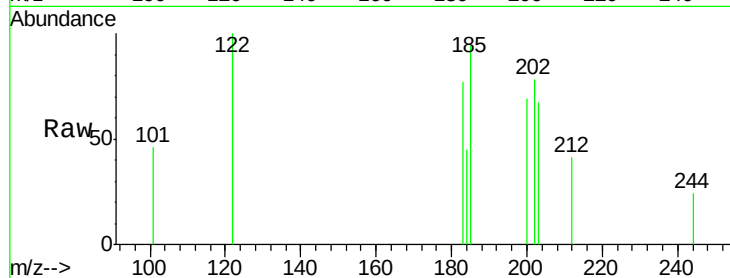
Tot Ion:202 Resp: 906

Ion Ratio Lower Upper

202 100

101 47.8 9.4 14.0#

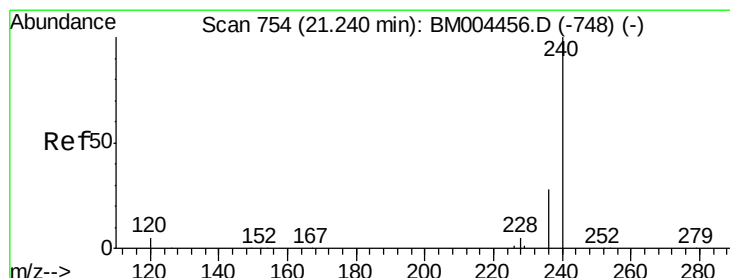
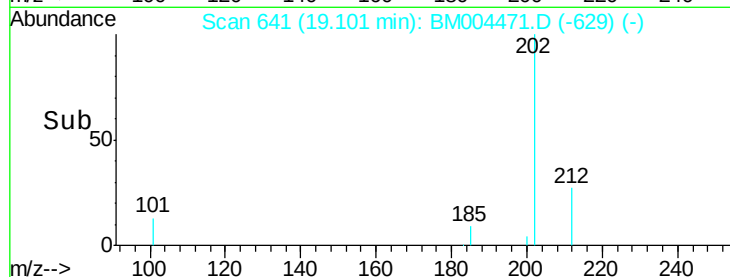
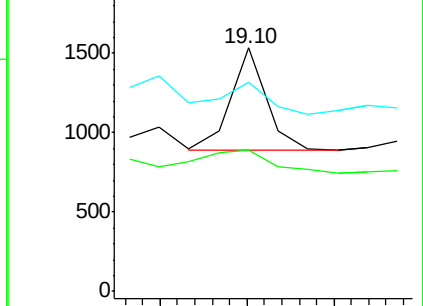
203 0.0 13.9 20.9#



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: BM004471.D

Acq: 29 Feb 2016 05:02

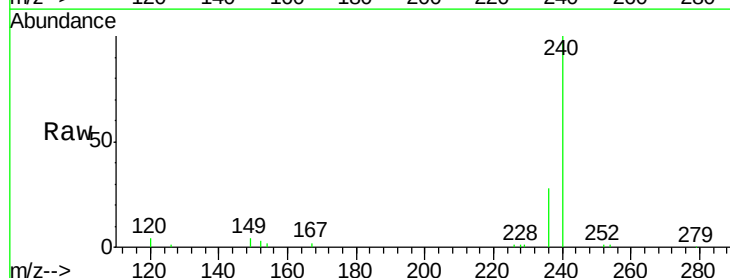
Tgt Ion:240 Resp: 58790

Ion Ratio Lower Upper

240 100

120 4.1 4.0 6.0

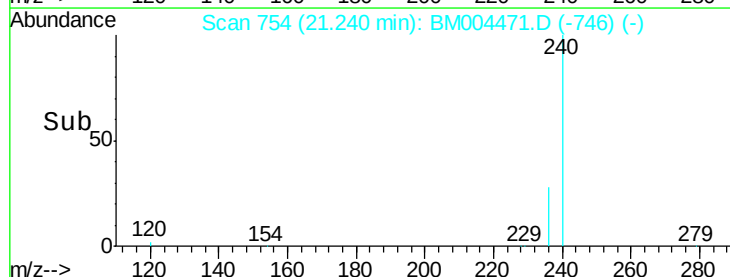
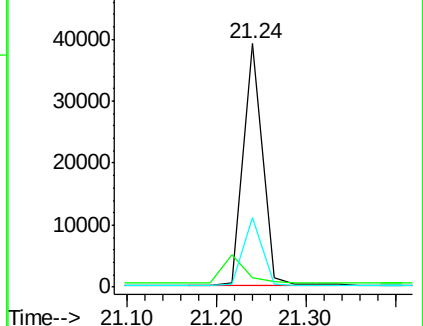
236 28.5 22.7 34.1

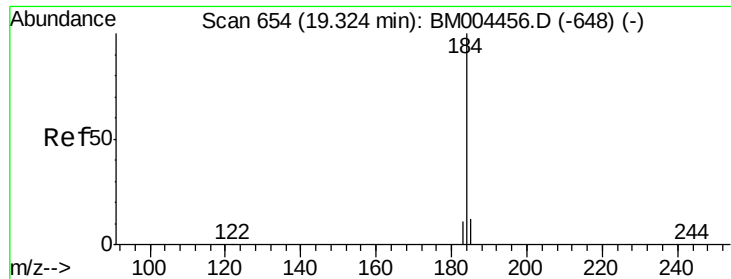


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

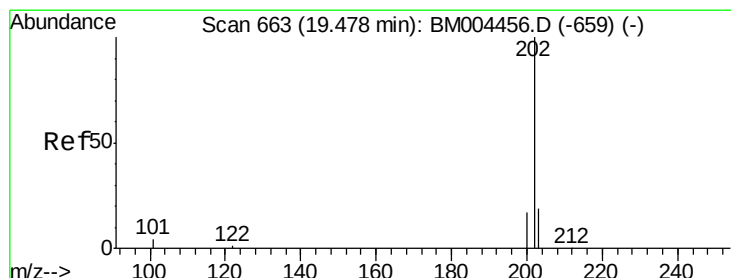
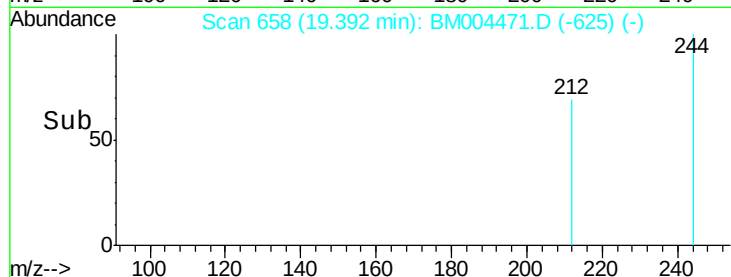
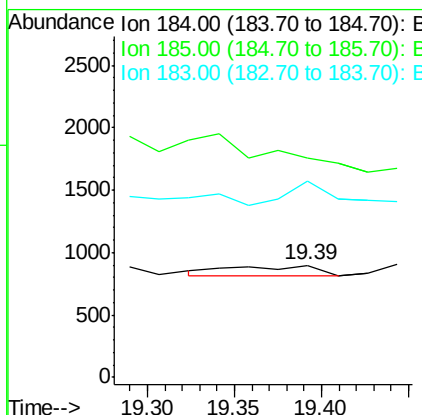
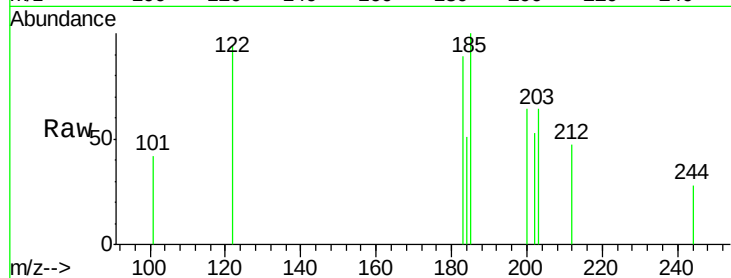




#20
Benzidine
Concen: 0.47 ng
RT: 19.39 min Scan# 658
Delta R.T. 0.07 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

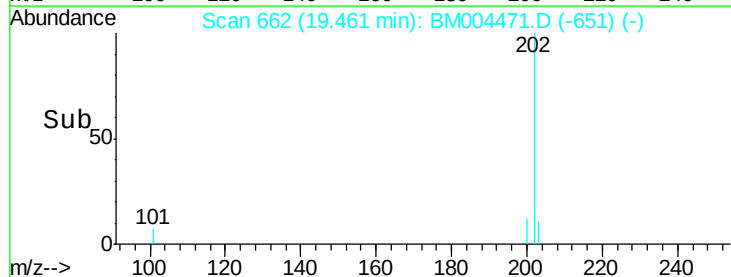
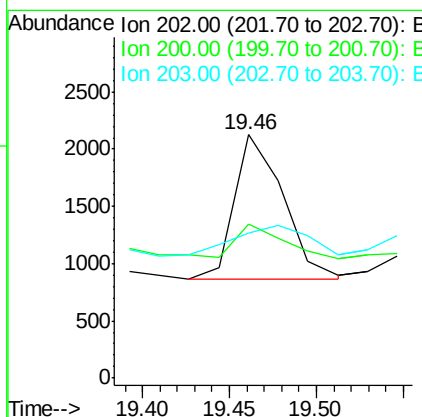
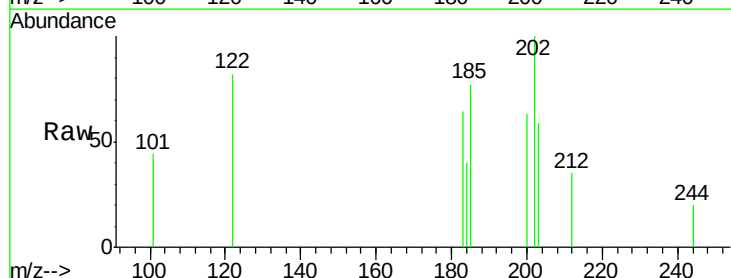
Instrument :
BNA_M
ClientSampleId :
MW-2

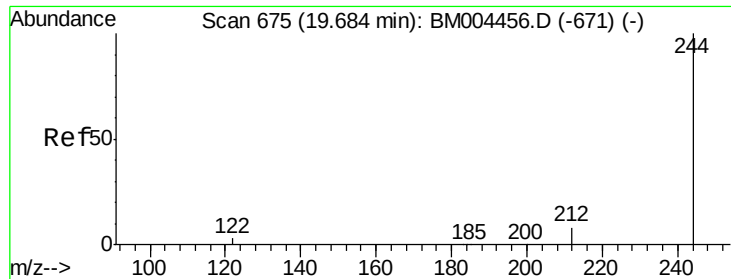
Tot Ion:184 Resp: 305
Ion Ratio Lower Upper
184 100
185 195.9 20.8 31.2#
183 174.6 18.5 27.7#



#21
Pyrene
Concen: 0.14 ng
RT: 19.46 min Scan# 662
Delta R.T. -0.02 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

Tgt Ion:202 Resp: 2465
Ion Ratio Lower Upper
202 100
200 24.0 16.6 24.8
203 33.3 13.9 20.9#

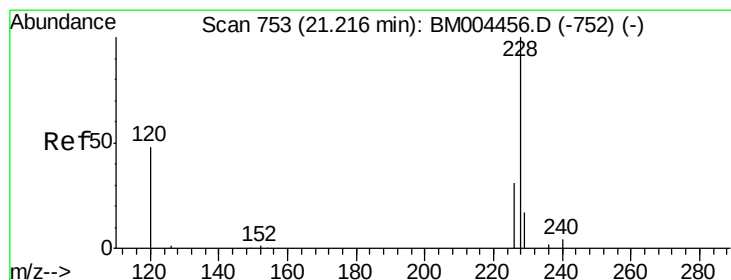
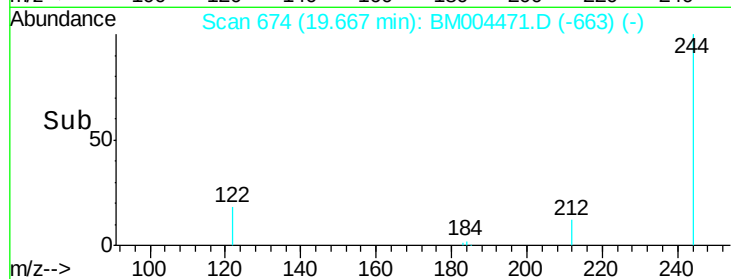
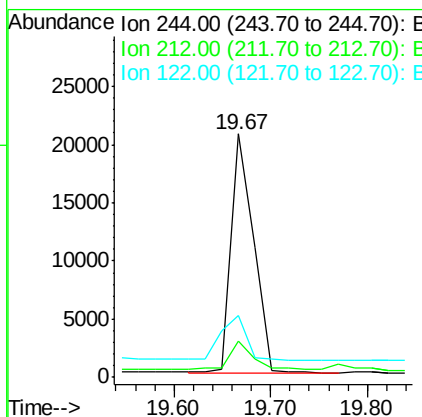
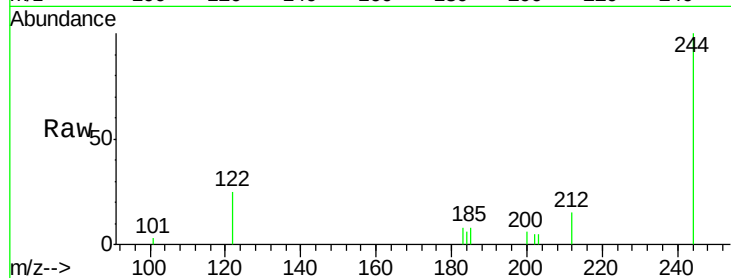




#22
 Terphenyl-d14
 Concen: 4.38 ng
 RT: 19.67 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: BM004471.D
 Acq: 29 Feb 2016 05:02

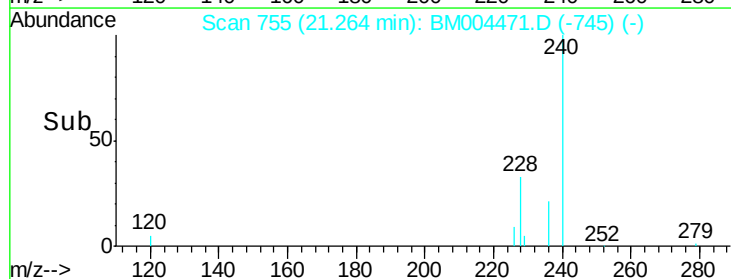
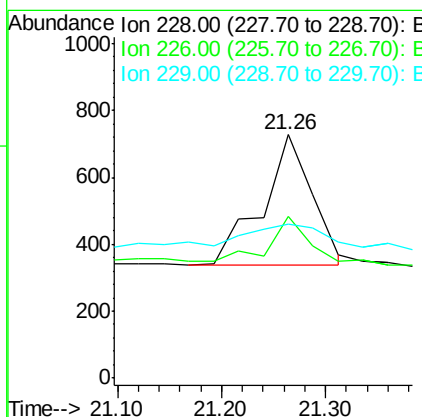
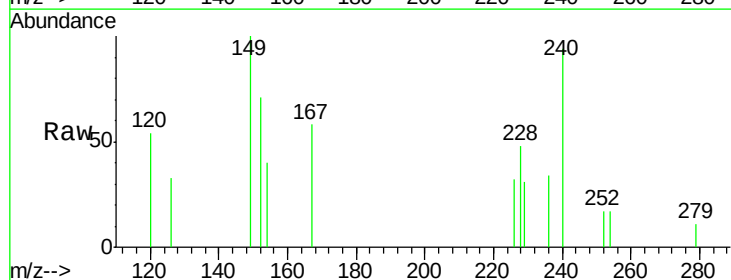
Instrument :
 BNA_M
 ClientSampled :
 MW-2

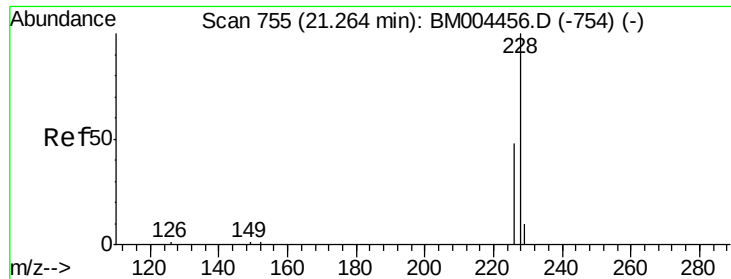
Tot Ion:244 Resp: 32765
 Ion Ratio Lower Upper
 244 100
 212 14.8 7.4 11.2#
 122 25.5 4.2 6.2#



#23
 Benzo(a)anthracene
 Concen: 0.08 ng
 RT: 21.26 min Scan# 755
 Delta R.T. 0.05 min
 Lab File: BM004471.D
 Acq: 29 Feb 2016 05:02

Tgt Ion:228 Resp: 1319
 Ion Ratio Lower Upper
 228 100
 226 66.2 25.1 37.7#
 229 63.3 14.2 21.4#





#25

Chrysene

Concen: Below Cal

RT: 21.26 min Scan# 755

Delta R.T. 0.00 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Instrument :

BNA_M

ClientSampleId :

MW-2

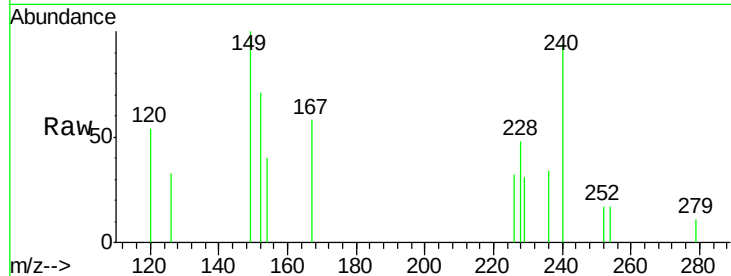
Tot Ion:228 Resp: 1351

Ion Ratio Lower Upper

228 100

226 66.2 31.0 46.6#

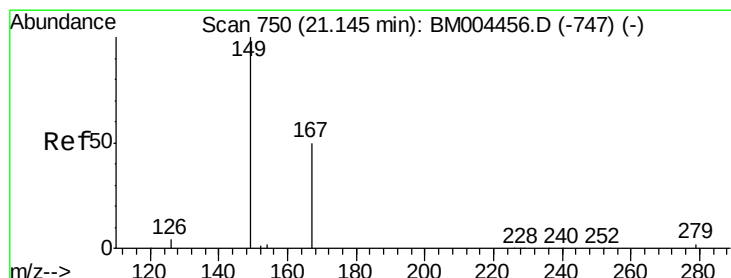
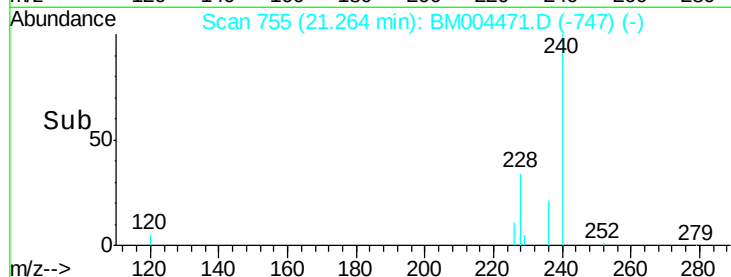
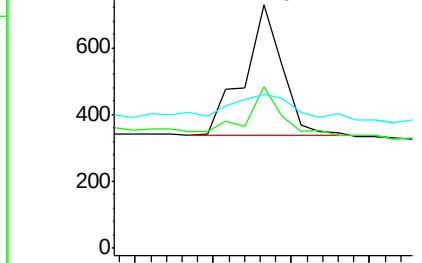
229 63.3 13.4 20.2#



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: 0.13 ng

RT: 21.14 min Scan# 750

Delta R.T. 0.00 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

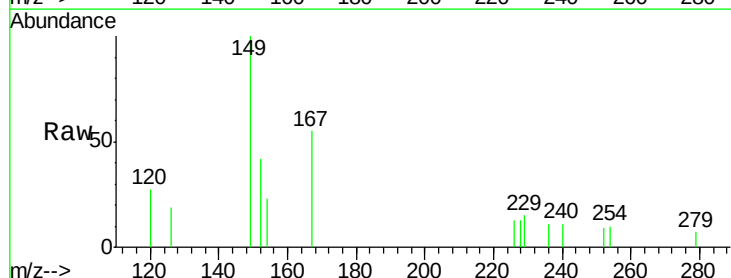
Tgt Ion:149 Resp: 2588

Ion Ratio Lower Upper

149 100

167 41.9 33.1 49.7

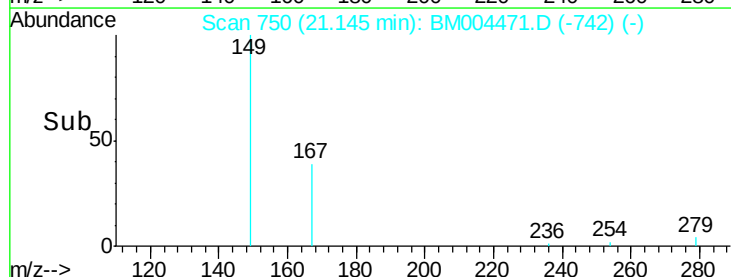
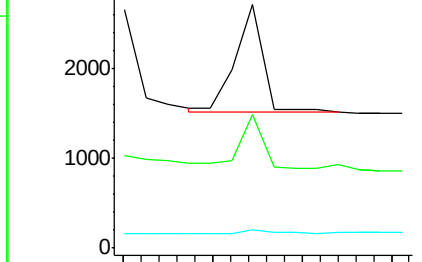
279 5.0 2.0 3.0#

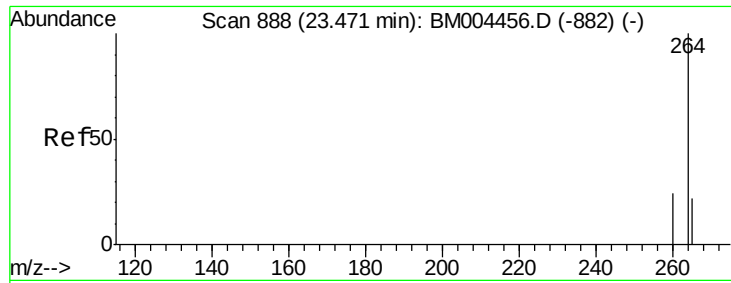


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

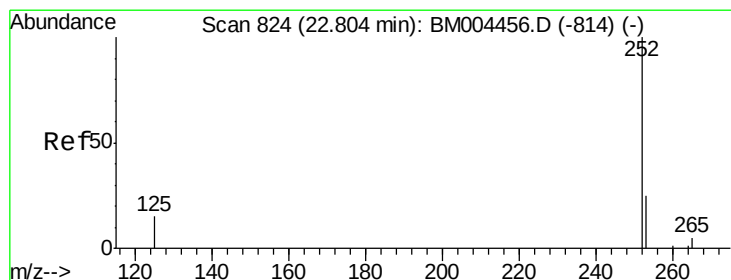
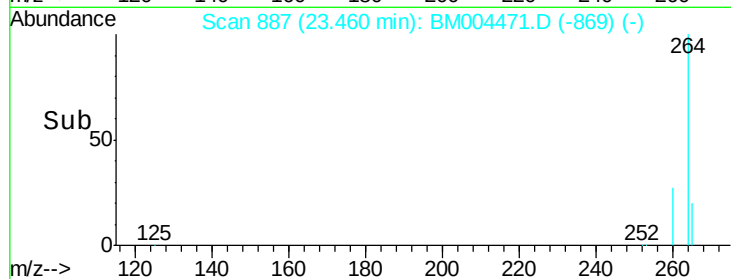
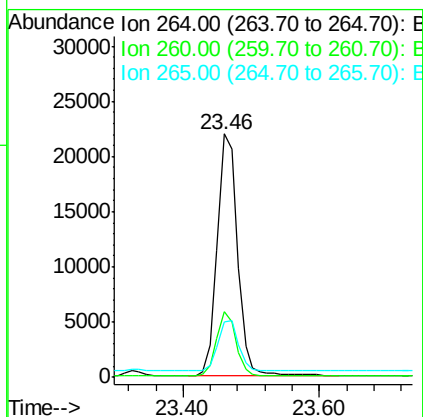
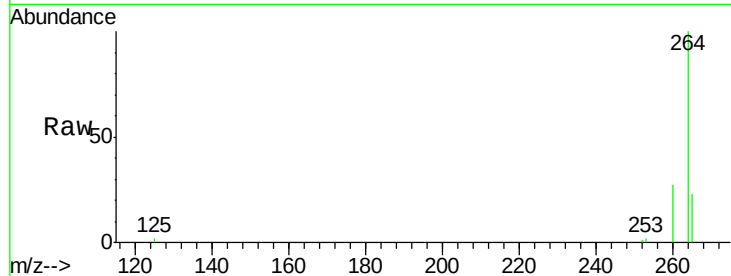




#28
Pervlene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 887
Delta R.T. -0.01 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

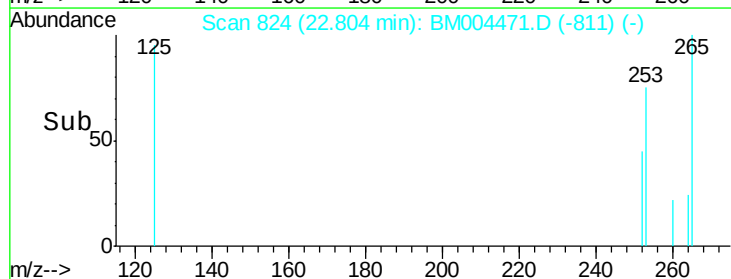
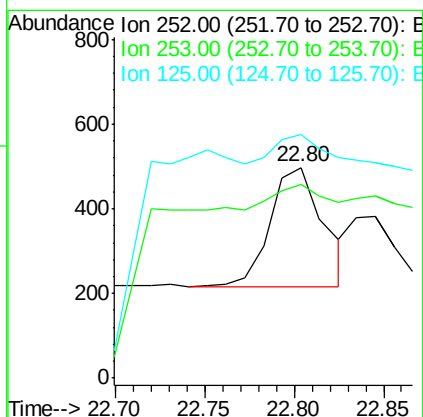
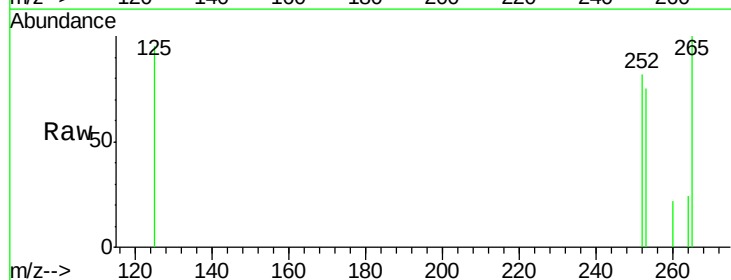
Instrument :
BNA_M
ClientSampleId :
MW-2

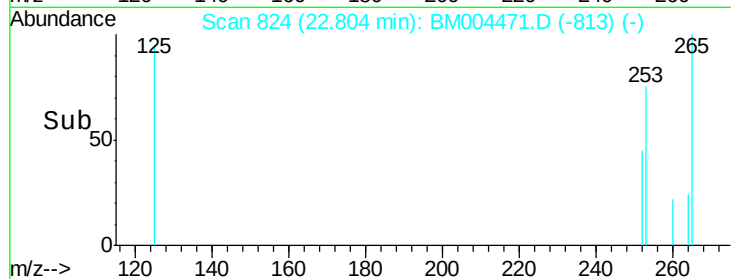
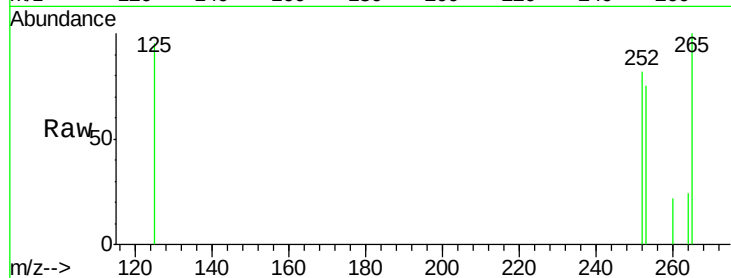
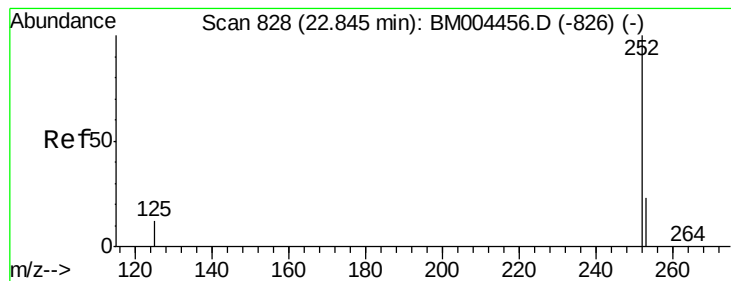
Tot Ion:264 Resp: 45056
Ion Ratio Lower Upper
264 100
260 26.9 19.4 29.2
265 22.6 18.9 28.3



#29
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.80 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM004471.D
Acq: 29 Feb 2016 05:02

Tgt Ion:252 Resp: 581
Ion Ratio Lower Upper
252 100
253 92.2 19.8 29.6#
125 115.7 12.2 18.2#





#30

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 22.80 min Scan# 824

Delta R.T. -0.04 min

Lab File: BM004471.D

Acq: 29 Feb 2016 05:02

Instrument :

BNA_M

ClientSampleId :

MW-2

Tot Ion: 252 Resp: 581

Ion Ratio Lower Upper

252 100

253 92.2 19.3 28.9#

125 115.7 12.4 18.6#

