

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
 Data File : BM001595.D
 Acq On : 06 Jun 2015 15:15
 Operator : TP/IZ
 Sample : SSTDC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DFTPP

Quant Time: Jun 08 05:39:55 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 05:27:25 2015
 Response via : Initial Calibration

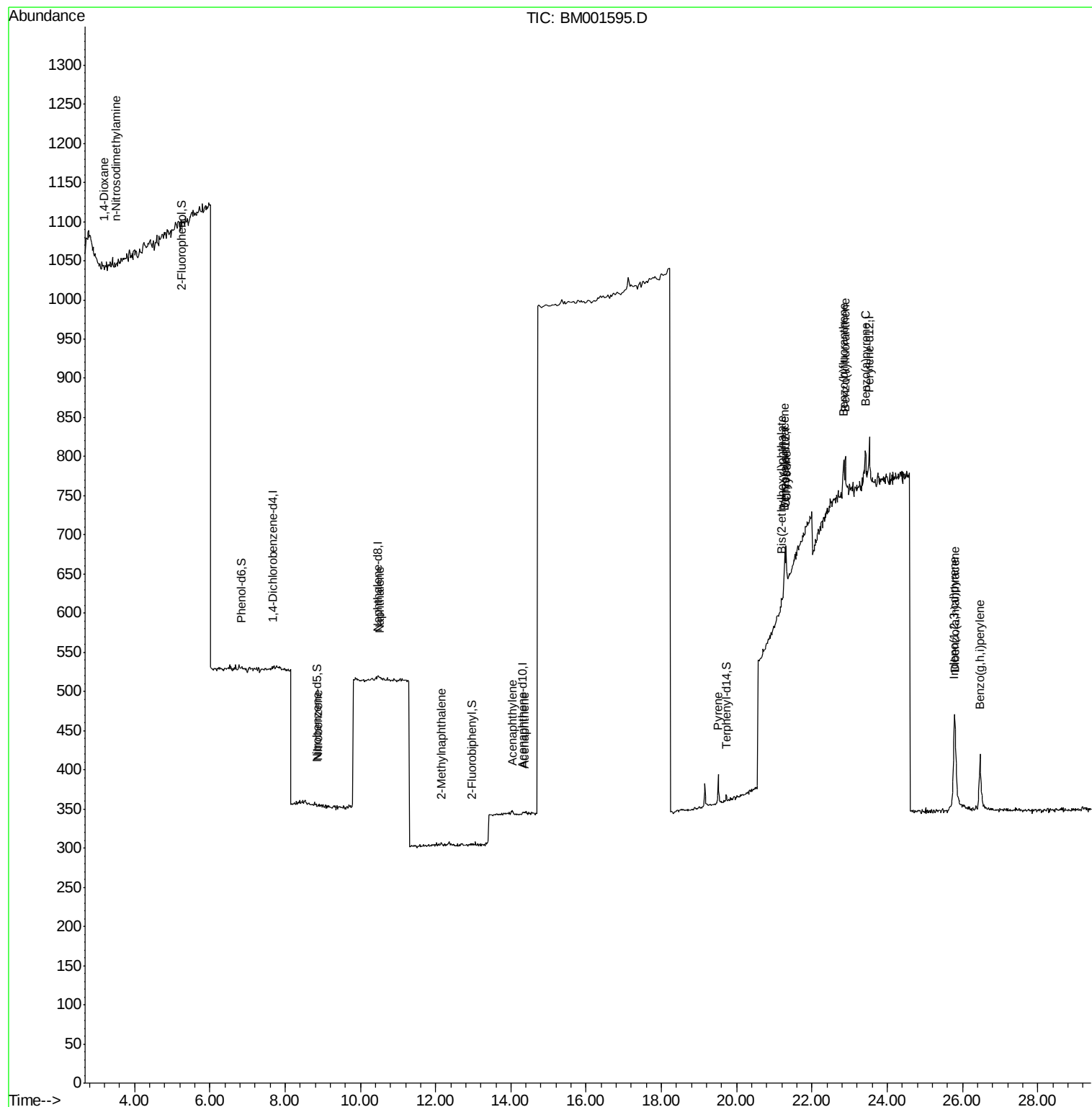
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	7	5.00	ng	-0.02
6) Naphthalene-d8	10.47	136	5	5.00	ng	0.00
12) Acenaphthene-d10	14.30	164	4	5.00	ng	-0.05
18) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.09
25) Chrysene-d12	21.28	240	75	5.00	ng	0.00
32) Perylene-d12	23.52	264	103	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	6	3.88	ng	-0.02
5) Phenol-d6	6.84	99	4	2.10	ng	0.00
7) Nitrobenzene-d5	8.85	82	2	5.87	ng	0.00
13) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
14) 2-Fluorobiphenyl	12.96	172	1	0.81	ng	0.00
27) Terphenyl-d14	19.72	244	15	1.55	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.18	88	2	3.18	ng	# 17
3) n-Nitrosodimethylamine	3.51	42	8	7.49	ng	# 89
8) Nitrobenzene	8.88	77	6	16.44	ng	# 63
9) Naphthalene	10.51	128	16	14.82	ng	# 1
11) 2-Methylnaphthalene	12.16	142	4	5.92	ng	# 59
15) Acenaphthylene	14.03	152	8	4.63	ng	# 62
16) Acenaphthene	14.36	154	4	3.68	ng	# 35
26) Pyrene	19.52	202	58	2.40	ng	# 86
28) Benzo(a)anthracene	21.27	228	48	2.27	ng	# 1
29) Chrysene	21.31	228	72	3.57	ng	# 9
30) Bis(2-ethylhexyl)phthalate	21.19	149	58	4.14	ng	# 53
31) Indeno(1,2,3-cd)pyrene	25.77	276	228	10.52	ng	97
33) Benzo(b)fluoranthene	22.83	252	100	3.25	ng	# 1
34) Benzo(k)fluoranthene	22.89	252	96	3.43	ng	# 1
35) Benzo(a)pyrene	23.42	252	90	3.35	ng	# 1
36) Dibenzo(a,h)anthracene	25.79	278	213	8.08	ng	# 1
37) Benzo(g,h,i)perylene	26.46	276	182	6.57	ng	# 10

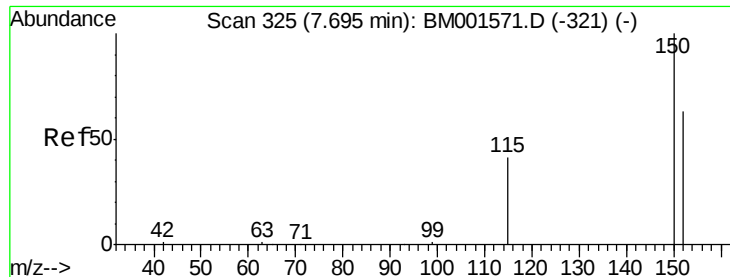
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001595.D
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.68 min Scan# 324

Delta R.T. -0.02 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

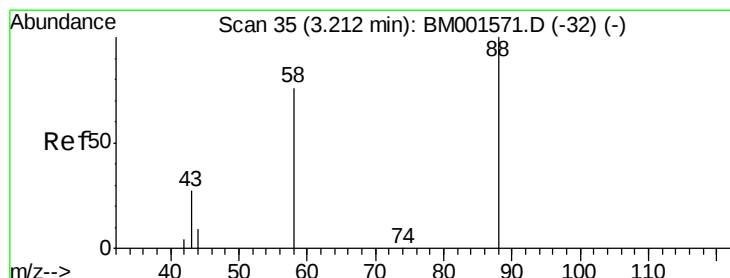
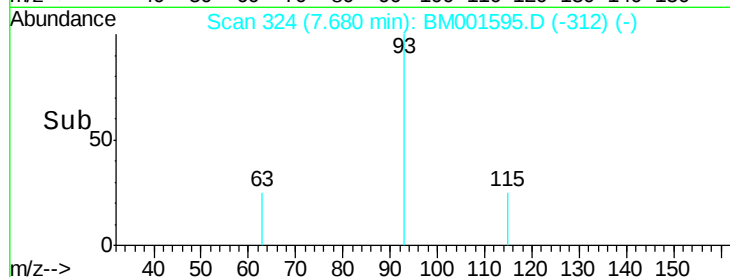
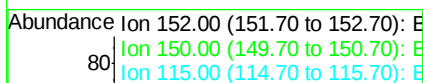
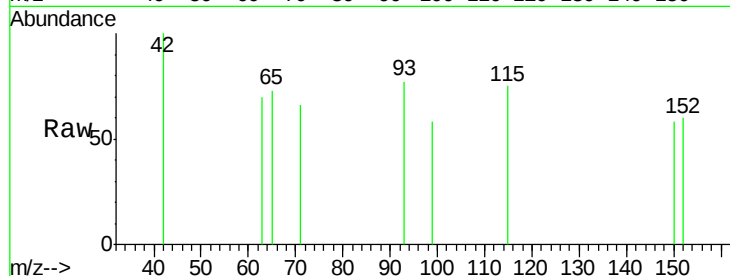
Tgt Ion: 152 Resp: 7

Ion Ratio Lower Upper

152 100

150 96.0 126.6 190.0#

115 124.0 51.6 77.4#



#2

1,4-Dioxane

Concen: 3.18 ng

RT: 3.18 min Scan# 33

Delta R.T. -0.03 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

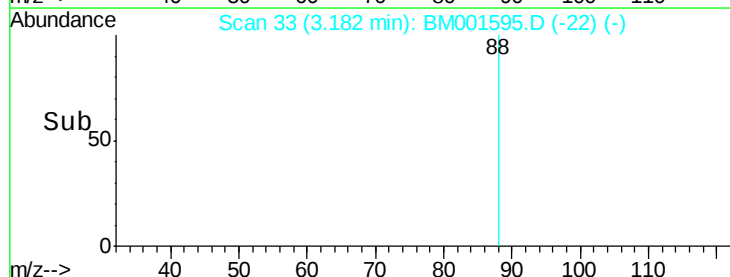
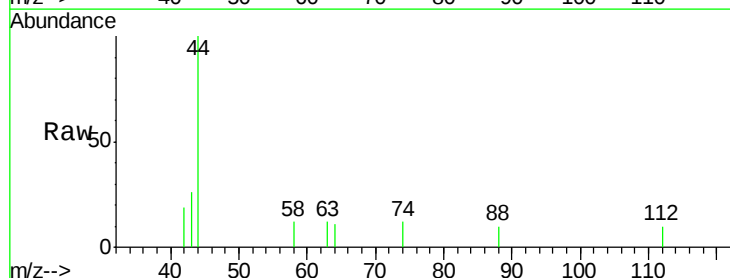
Tgt Ion: 88 Resp: 2

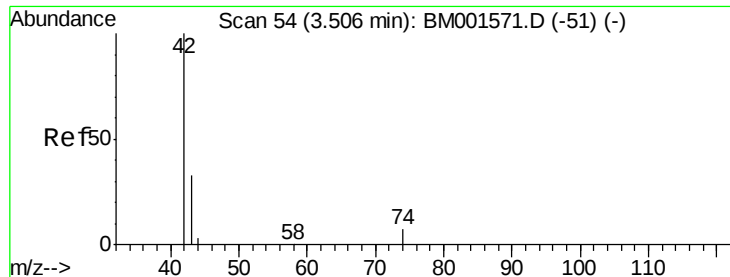
Ion Ratio Lower Upper

88 100

58 0.0 66.1 99.1#

43 0.0 32.3 48.5#





#3

n-Nitrosodimethylamine

Concen: 7.49 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

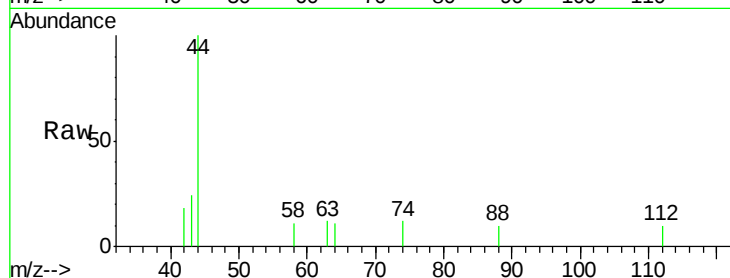
Tgt Ion: 42 Resp: 8

Ion Ratio Lower Upper

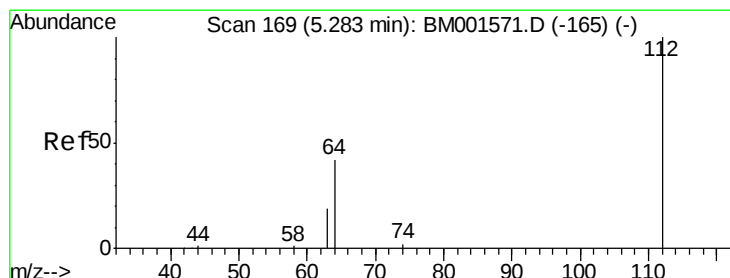
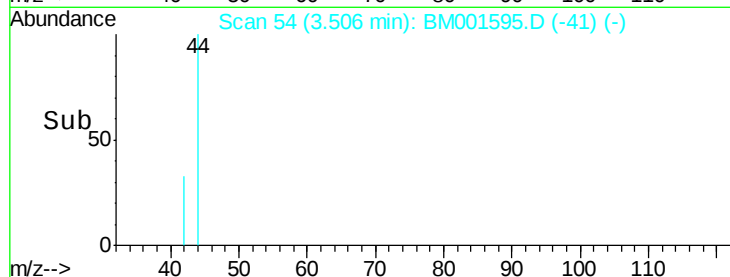
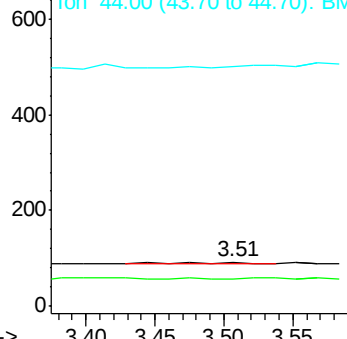
42 100

74 87.5 77.2 115.8

44 0.0 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BM001571.D (-51) (-)



#4

2-Fluorophenol

Concen: 3.88 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

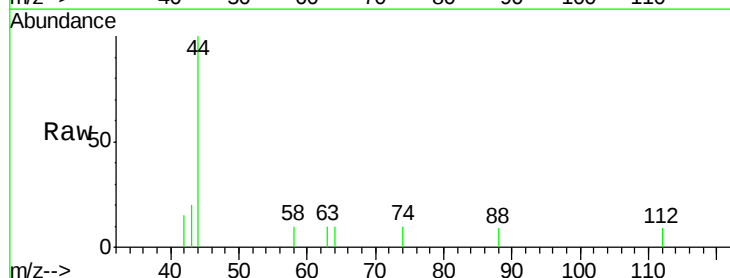
Tgt Ion: 112 Resp: 6

Ion Ratio Lower Upper

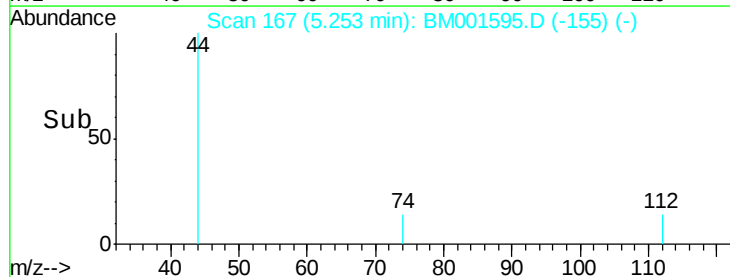
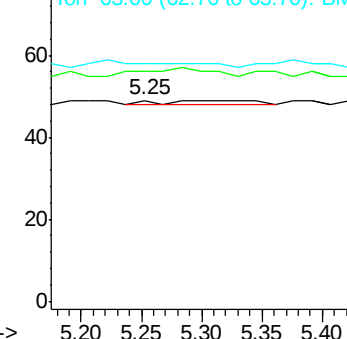
112 100

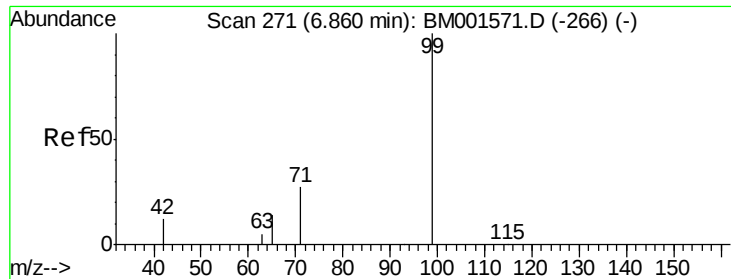
64 0.0 53.3 79.9#

63 0.0 29.7 44.5#



Abundance Ion 112.00 (111.70 to 112.70): BM001571.D (-165) (-)





#5

Phenol-d6

Concen: 2.10 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

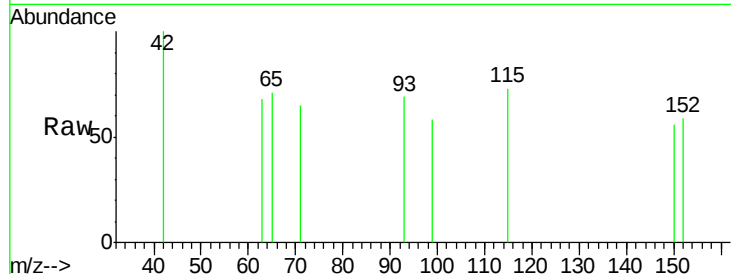
BNA_M

ClientSampleId :

DFTPP

Tgt Ion: 99 Resp: 4

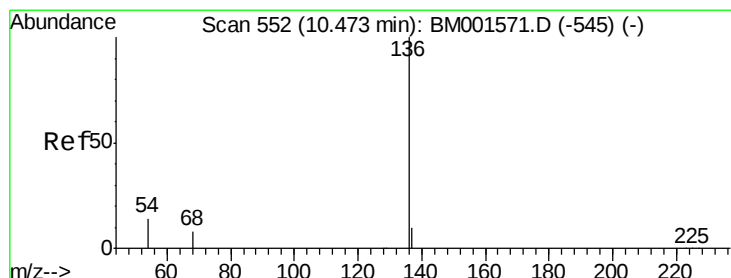
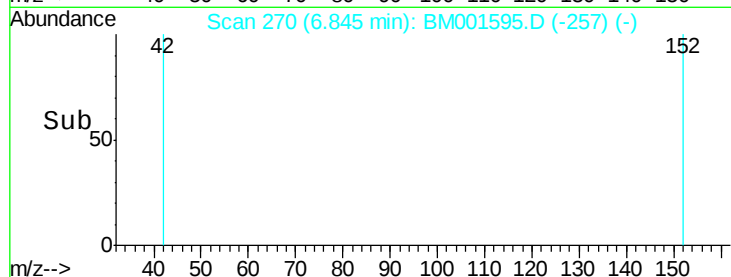
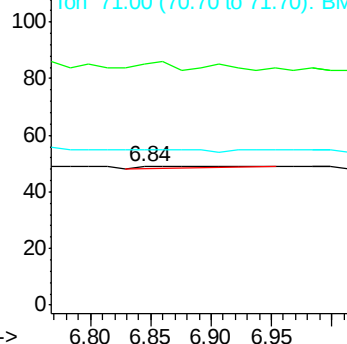
Ion	Ratio	Lower	Upper
99	100		
42	150.0	21.4	32.2#
71	0.0	29.0	43.4#



Abundance Ion 99.00 (98.70 to 99.70): BM001571.D (-266) (-)

Ion 42.00 (41.70 to 42.70): BM001571.D (-266) (-)

Ion 71.00 (70.70 to 71.70): BM001571.D (-266) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

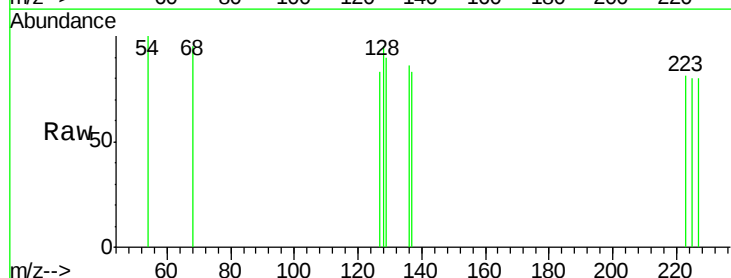
Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Tgt Ion: 136 Resp: 5

Ion	Ratio	Lower	Upper
136	100		
137	96.1	8.1	12.1#
54	115.7	11.7	17.5#
68	109.8	6.6	9.8#

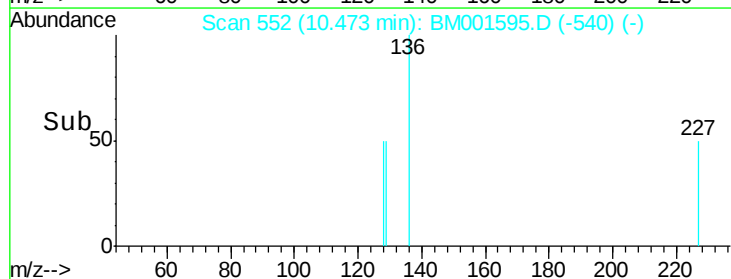
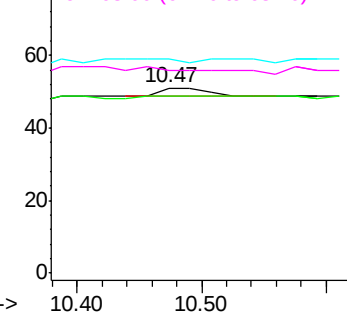


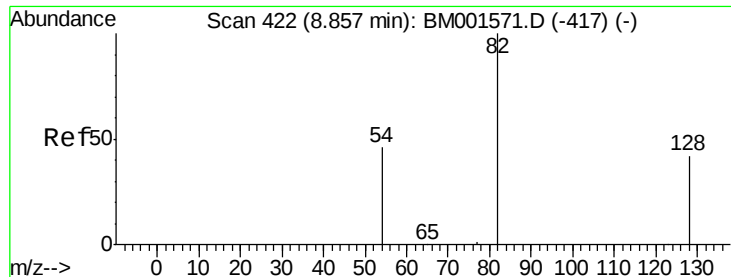
Abundance Ion 136.00 (135.70 to 136.70): BM001571.D (-545) (-)

Ion 137.00 (136.70 to 137.70): BM001571.D (-545) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-545) (-)

Ion 68.00 (67.70 to 68.70): BM001571.D (-545) (-)





#7

Nitrobenzene-d5

Concen: 5.87 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

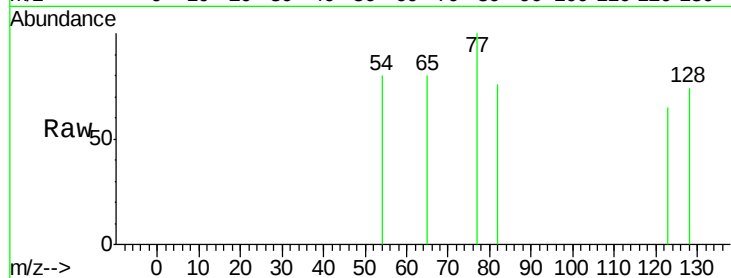
Instrument :

BNA_M

ClientSampleId :

DFTPP

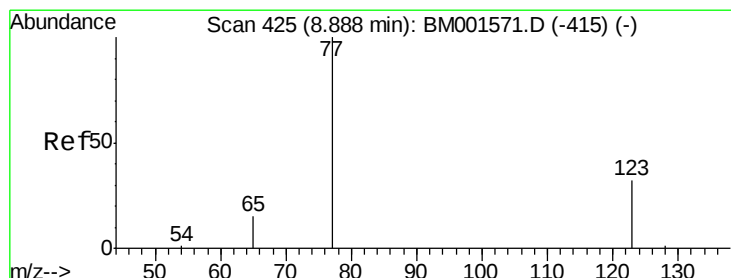
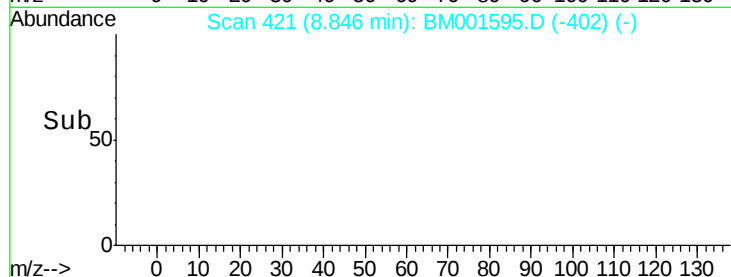
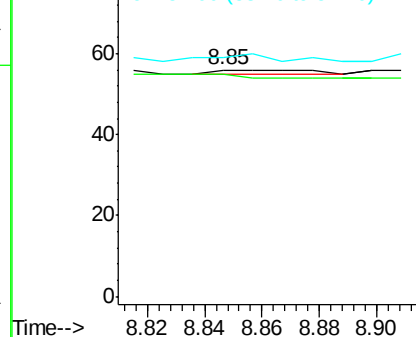
Tgt Ion:	82	Resp:	2
Ion	Ratio	Lower	Upper
82	100		
128	98.2	34.1	51.1#
54	105.4	37.8	56.6#



Abundance Ion 82.00 (81.70 to 82.70): BM001571.D (-417) (-)

Ion 128.00 (127.70 to 128.70): BM001571.D (-417) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-417) (-)



#8

Nitrobenzene

Concen: 16.44 ng

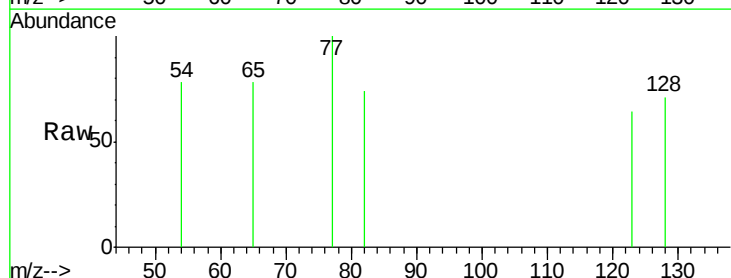
RT: 8.88 min Scan# 424

Delta R.T. -0.01 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

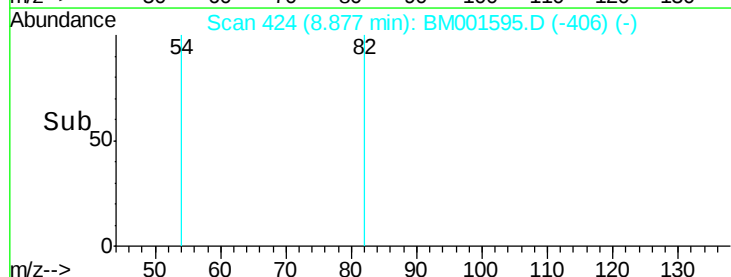
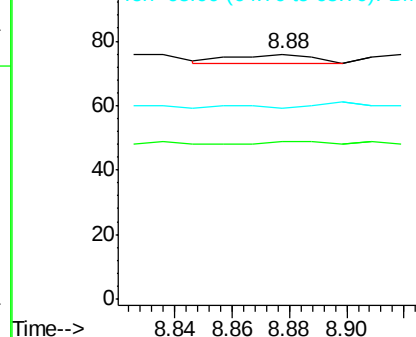
Tgt Ion:	77	Resp:	6
Ion	Ratio	Lower	Upper
77	100		
123	16.7	31.7	47.5#
65	0.0	11.4	17.0#

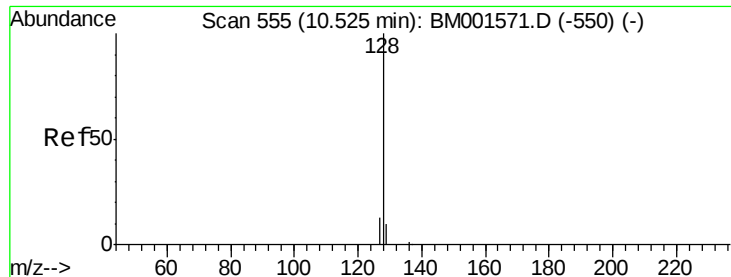


Abundance Ion 77.00 (76.70 to 77.70): BM001571.D (-415) (-)

Ion 123.00 (122.70 to 123.70): BM001571.D (-415) (-)

Ion 65.00 (64.70 to 65.70): BM001571.D (-415) (-)





#9

Naphthalene

Concen: 14.82 ng

RT: 10.51 min Scan# 554

Delta R.T. -0.02 min

Lab File: BM001595.D

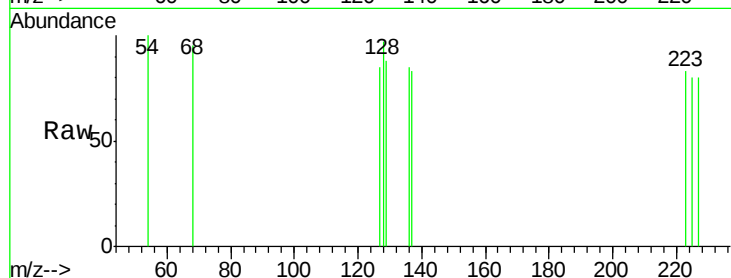
Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP



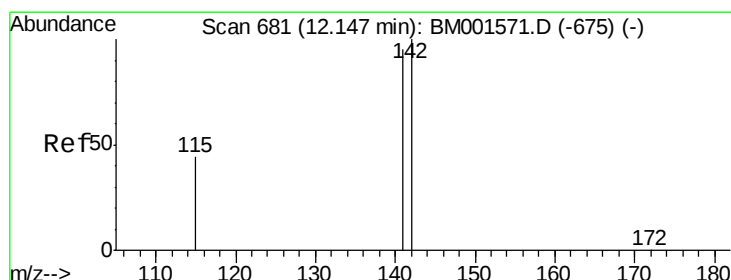
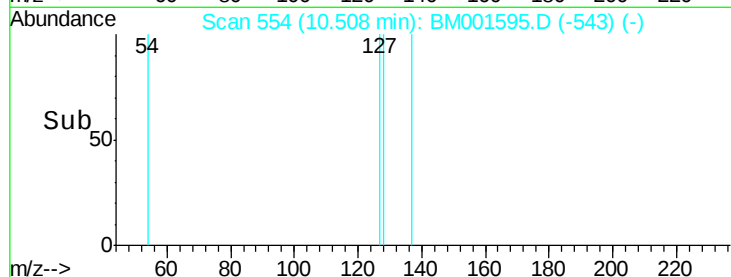
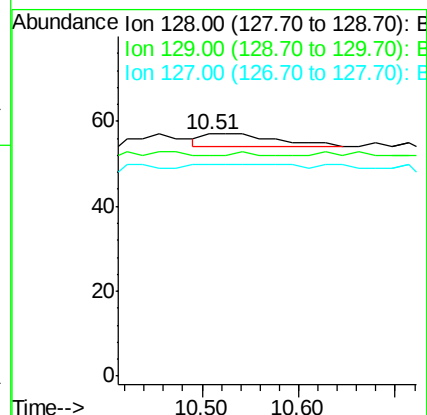
Tgt Ion:128 Resp: 16

Ion Ratio Lower Upper

128 100

129 91.2 8.7 13.1#

127 87.7 10.7 16.1#



#11

2-Methylnaphthalene

Concen: 5.92 ng

RT: 12.16 min Scan# 682

Delta R.T. 0.01 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

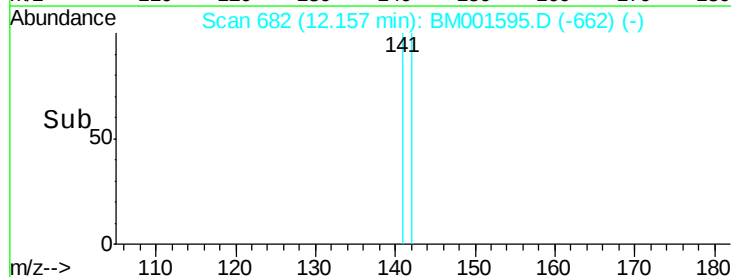
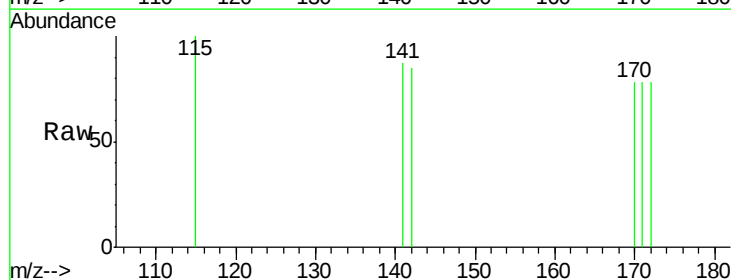
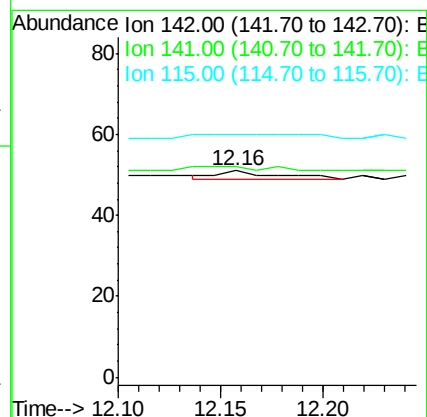
Tgt Ion:142 Resp: 4

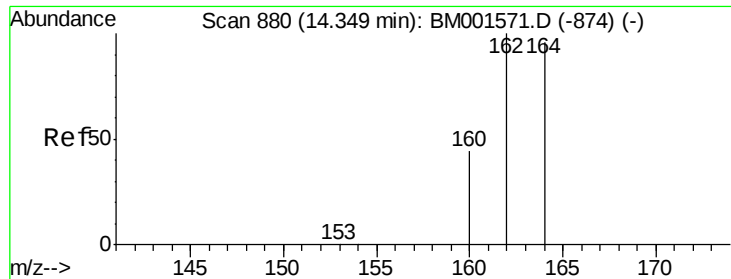
Ion Ratio Lower Upper

142 100

141 102.0 75.6 113.4

115 117.6 35.5 53.3#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.30 min Scan# 876

Delta R.T. -0.05 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

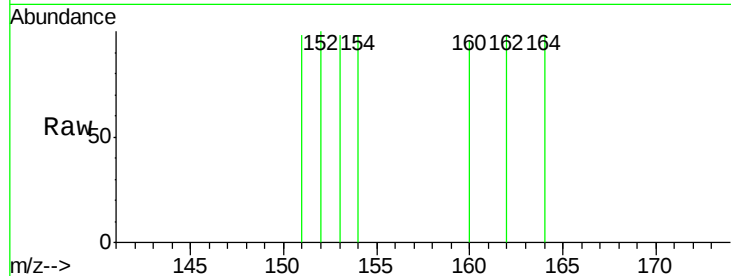
Tgt Ion: 164 Resp: 4

Ion Ratio Lower Upper

164 100

162 100.0 83.8 125.6

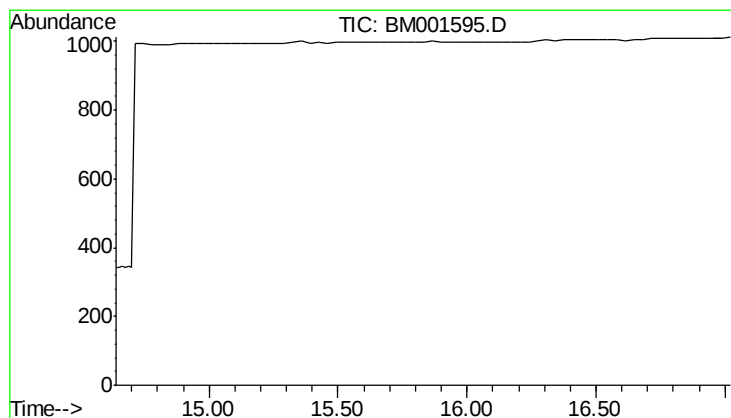
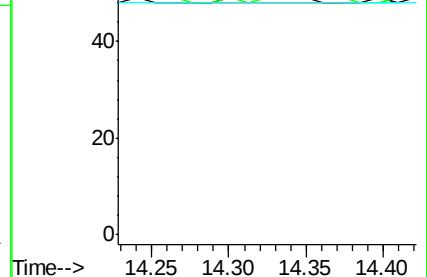
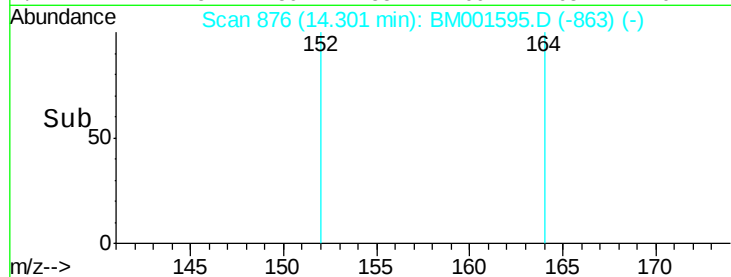
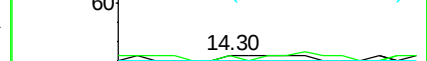
160 98.0 37.1 55.7#



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



#13

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 15.83 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

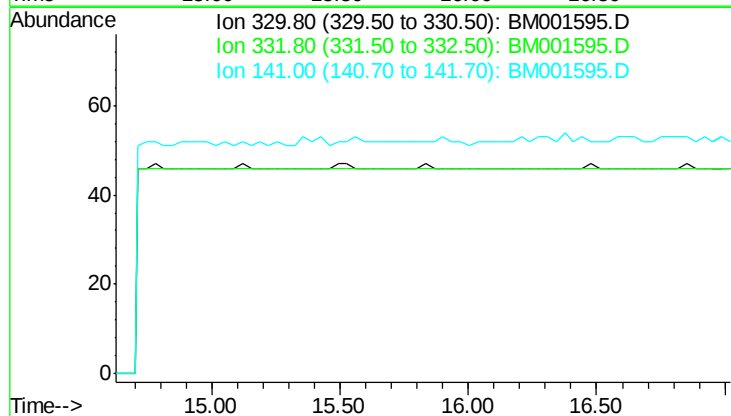
Tgt Ion: 330

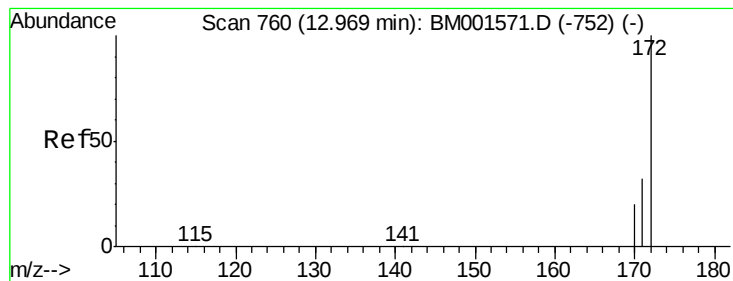
Sig Exp Ratio

330 100

332 90.0

141 0.0





#14

2-Fluorobiphenyl

Concen: 0.81 ng

RT: 12.96 min Scan# 759

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

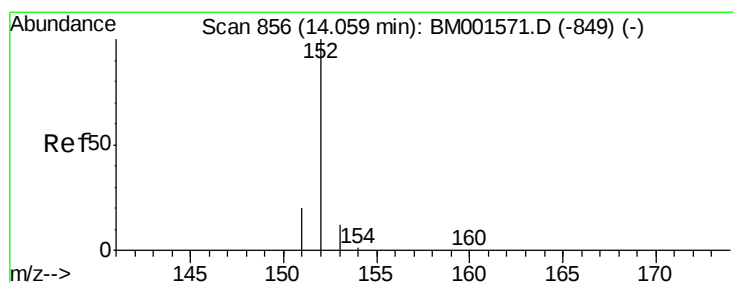
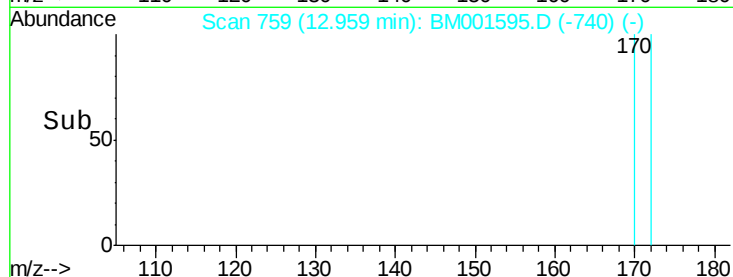
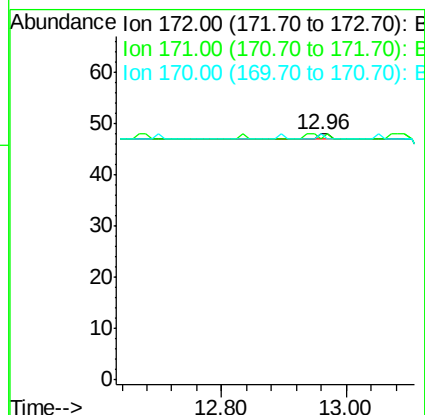
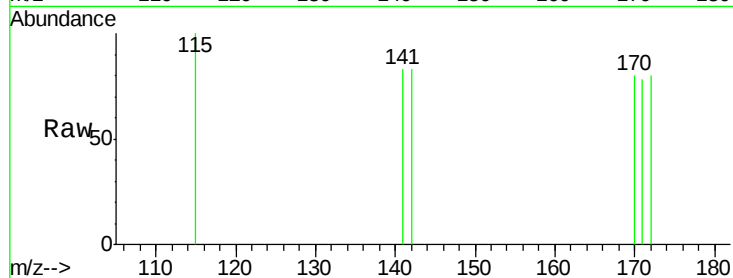
Tgt Ion:172 Resp: 1

Ion Ratio Lower Upper

172 100

171 97.9 26.2 39.2#

170 100.0 16.1 24.1#



#15

Acenaphthylene

Concen: 4.63 ng

RT: 14.03 min Scan# 854

Delta R.T. -0.02 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

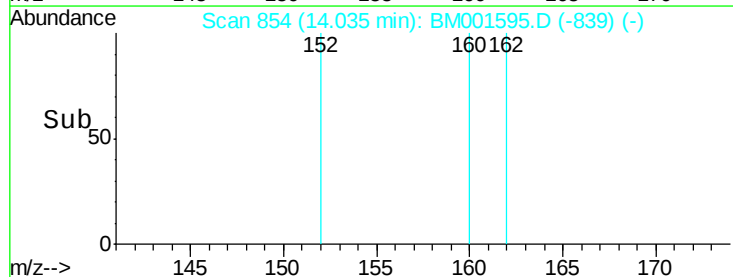
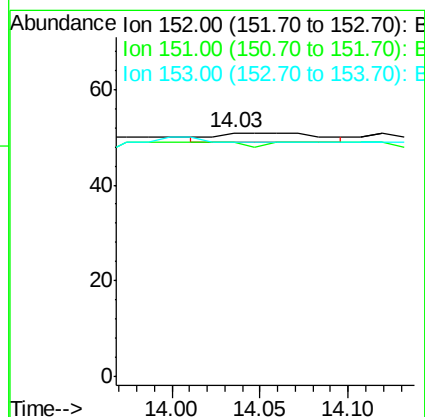
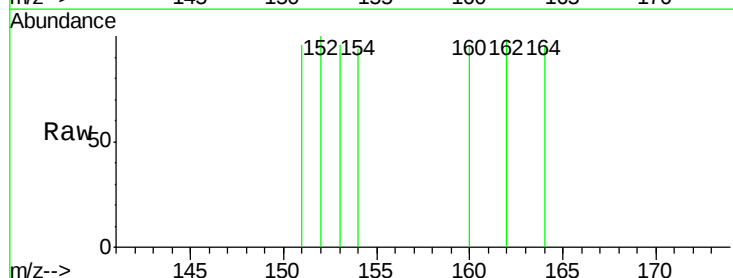
Tgt Ion:152 Resp: 8

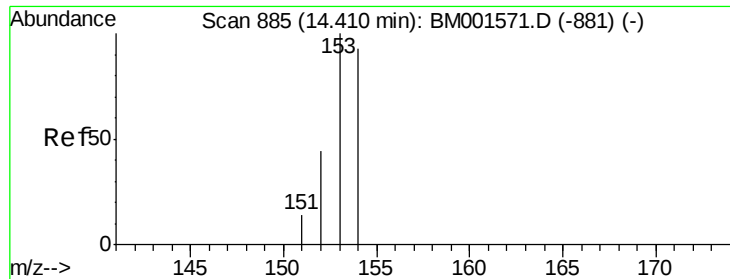
Ion Ratio Lower Upper

152 100

151 0.0 15.2 22.8#

153 0.0 10.3 15.5#





#16

Acenaphthene

Concen: 3.68 ng

RT: 14.36 min Scan# 881

Delta R.T. -0.05 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

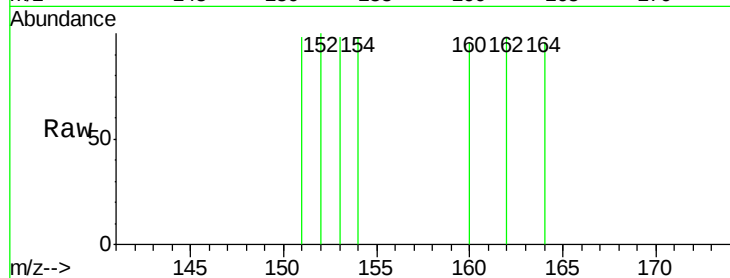
Tgt Ion: 154 Resp: 4

Ion Ratio Lower Upper

154 100

153 175.0 89.1 133.7#

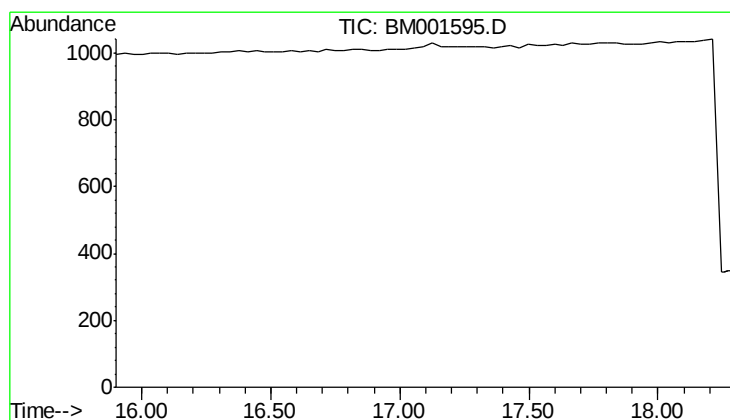
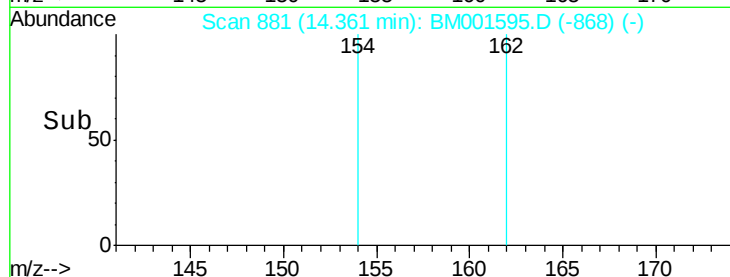
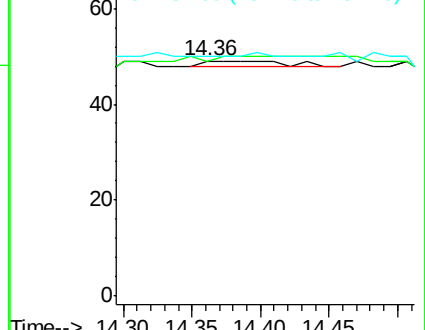
152 0.0 43.2 64.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Phenanthrene-d10

Concen: 0.00 ng

Expected RT: 17.09 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

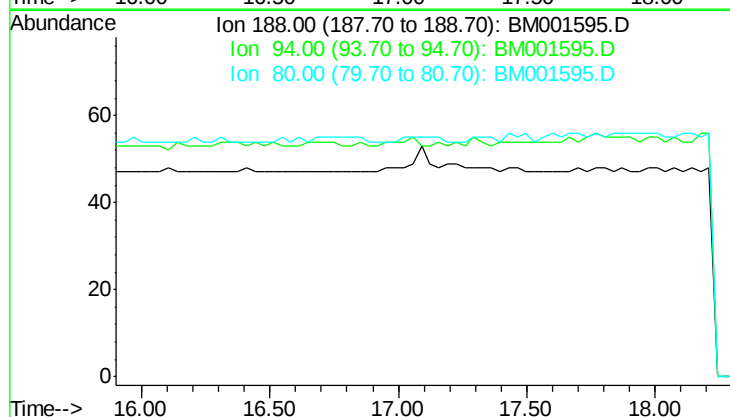
Tgt Ion: 188

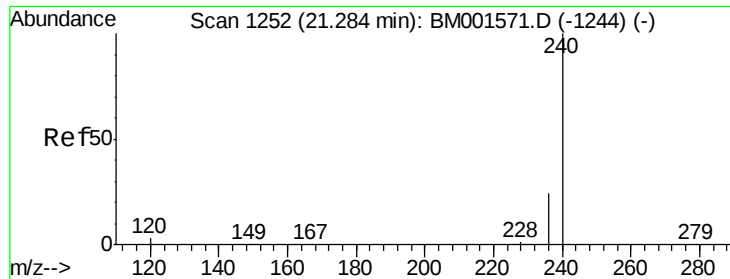
Sig Exp Ratio

188 100

94 0.9

80 0.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

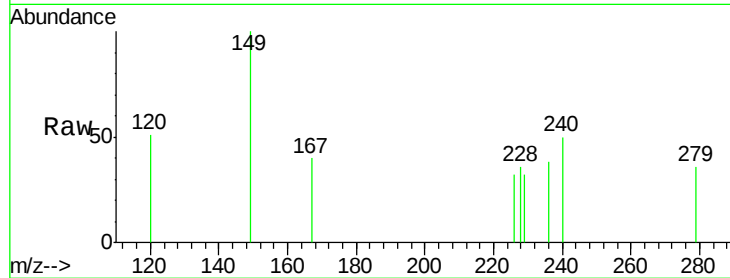
Tgt Ion:240 Resp: 75

Ion Ratio Lower Upper

240 100

120 102.5 2.2 3.2#

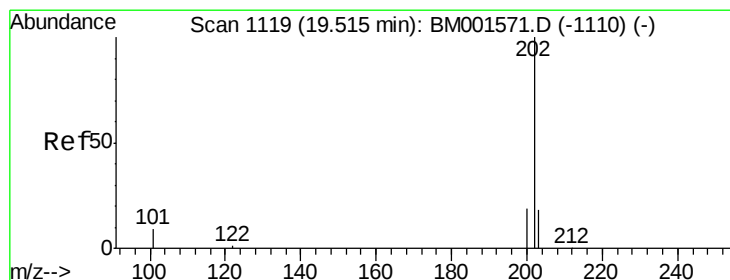
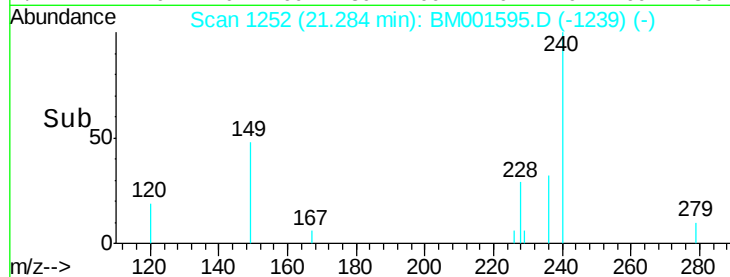
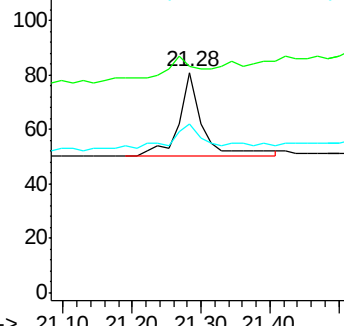
236 76.5 19.5 29.3#



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



#26

Pyrene

Concen: 2.40 ng

RT: 19.52 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

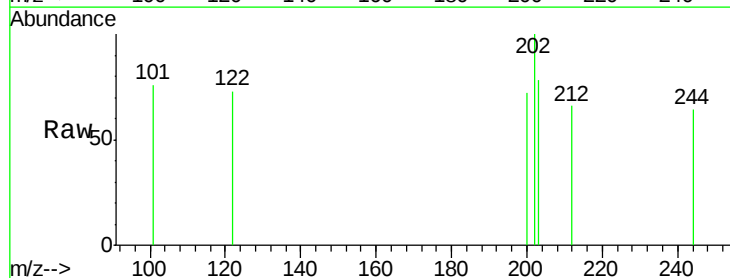
Tgt Ion:202 Resp: 58

Ion Ratio Lower Upper

202 100

200 27.6 16.6 24.8#

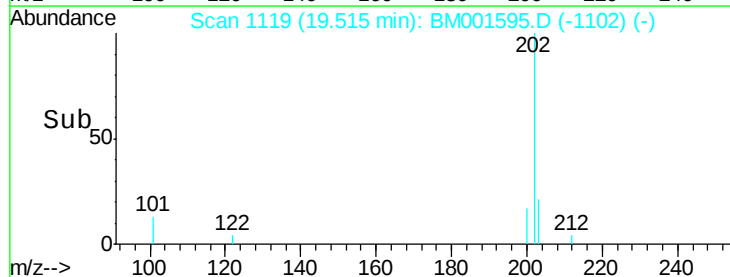
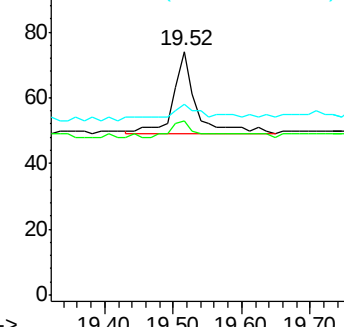
203 12.1 13.9 20.9#

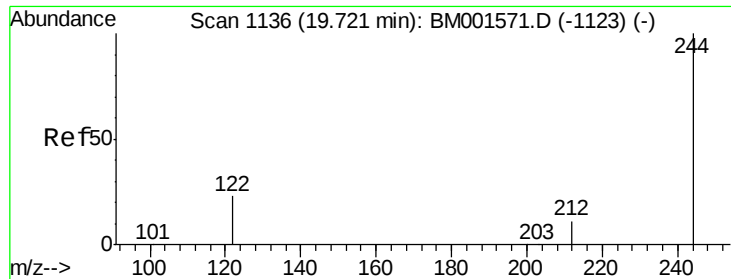


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 1.55 ng

RT: 19.72 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

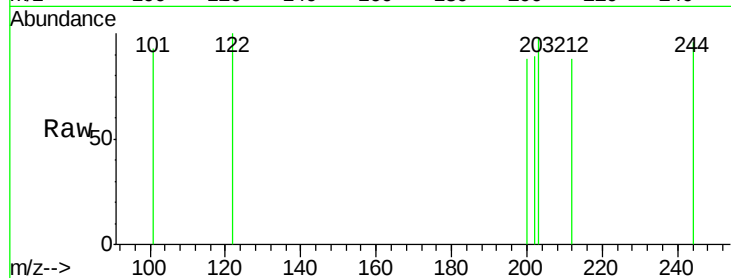
Tgt Ion:244 Resp: 15

Ion Ratio Lower Upper

244 100

212 90.7 9.6 14.4#

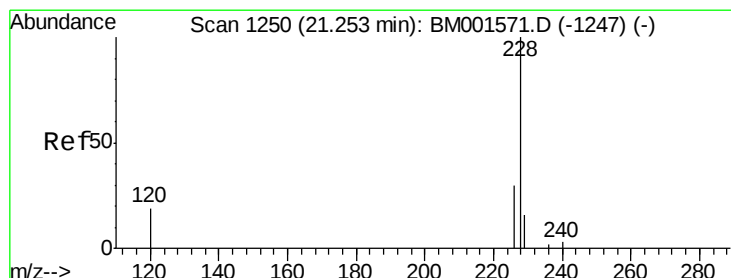
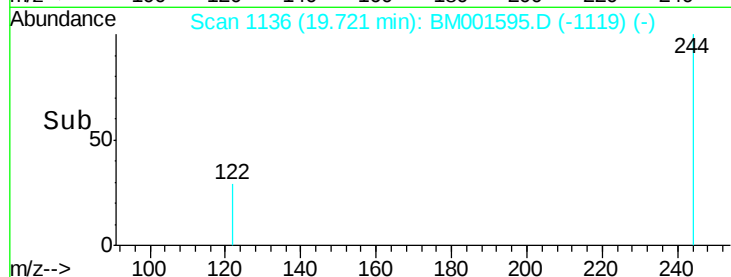
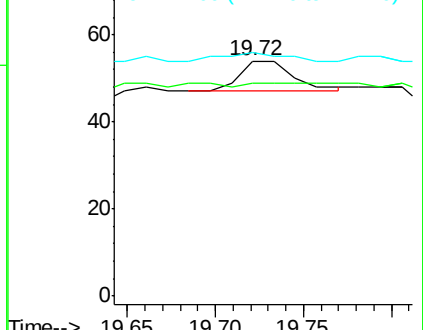
122 103.7 19.0 28.4#



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



#28

Benzo(a)anthracene

Concen: 2.27 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

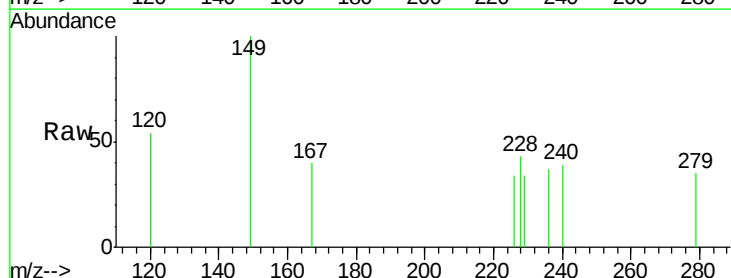
Tgt Ion:228 Resp: 48

Ion Ratio Lower Upper

228 100

226 78.6 24.8 37.2#

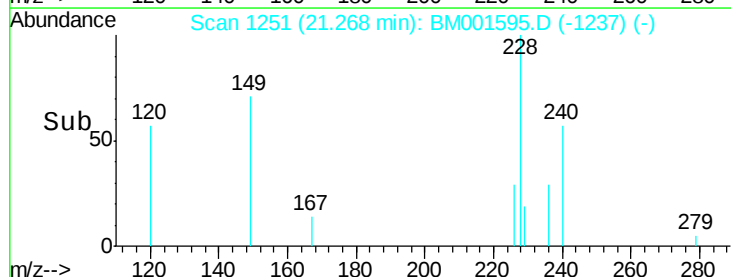
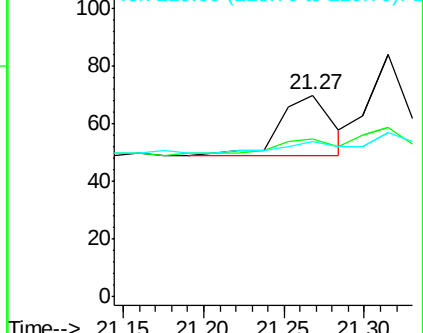
229 77.1 13.4 20.0#

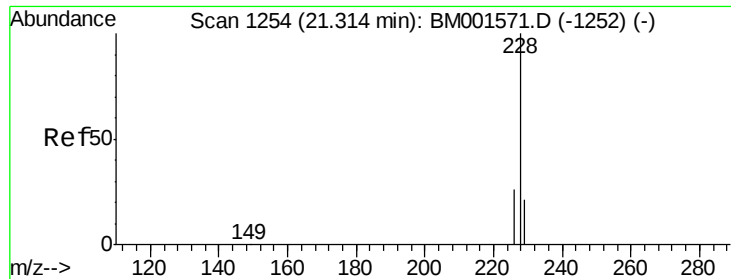


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 3.57 ng

RT: 21.31 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

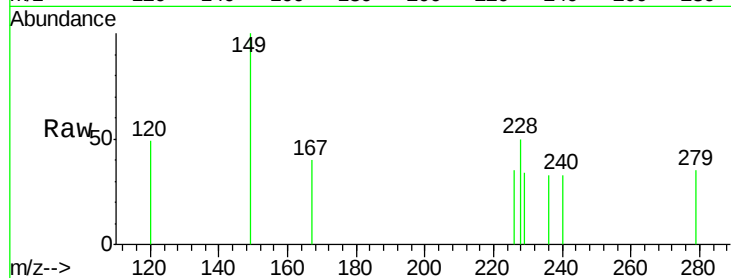
Tgt Ion: 228 Resp: 72

Ion Ratio Lower Upper

228 100

226 70.2 21.0 31.6#

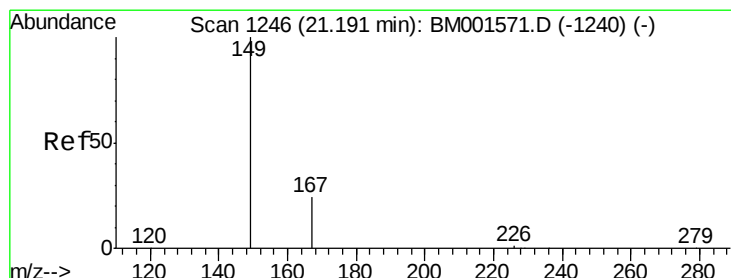
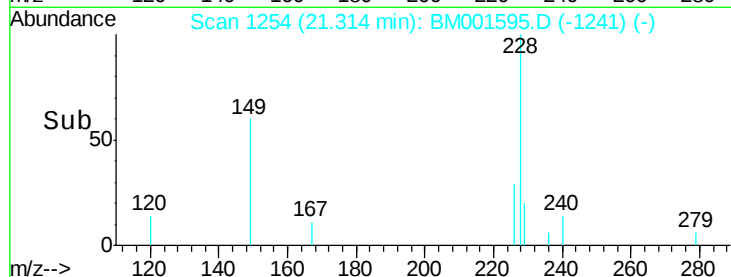
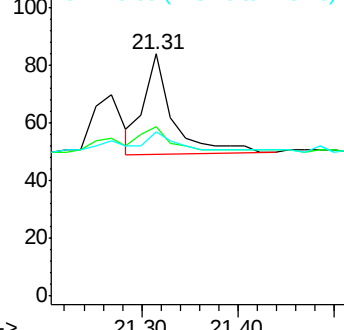
229 67.9 17.2 25.8#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 4.14 ng

RT: 21.19 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

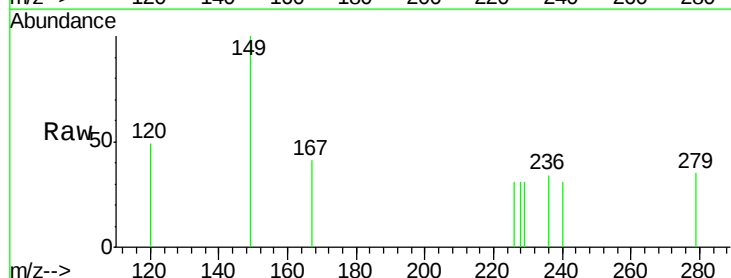
Tgt Ion: 149 Resp: 58

Ion Ratio Lower Upper

149 100

167 0.0 20.2 30.2#

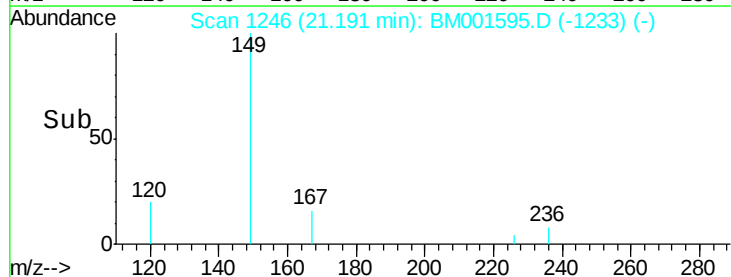
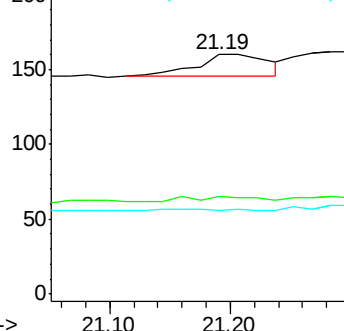
279 0.0 1.8 2.6#

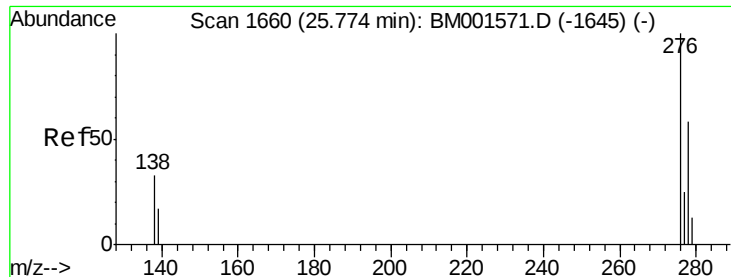


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 10.52 ng

RT: 25.77 min Scan# 1660

Delta R.T. 0.01 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

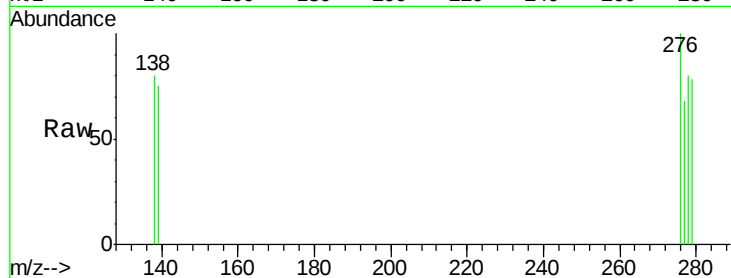
Tgt Ion: 276 Resp: 228

Ion Ratio Lower Upper

276 100

138 36.4 28.0 42.0

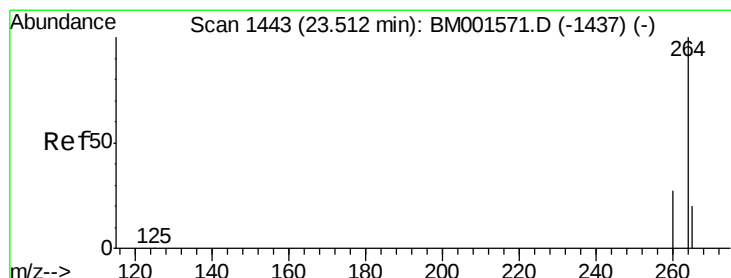
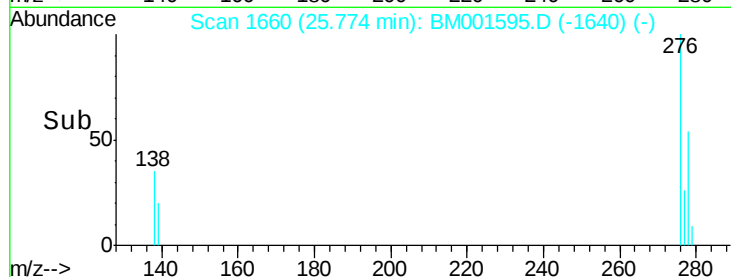
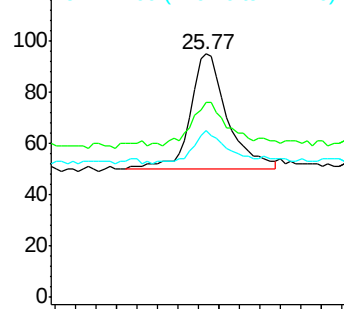
277 26.8 19.7 29.5



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.52 min Scan# 1444

Delta R.T. 0.01 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

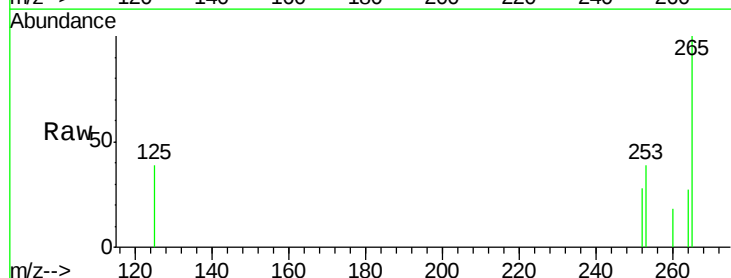
Tgt Ion: 264 Resp: 103

Ion Ratio Lower Upper

264 100

260 65.9 21.6 32.4#

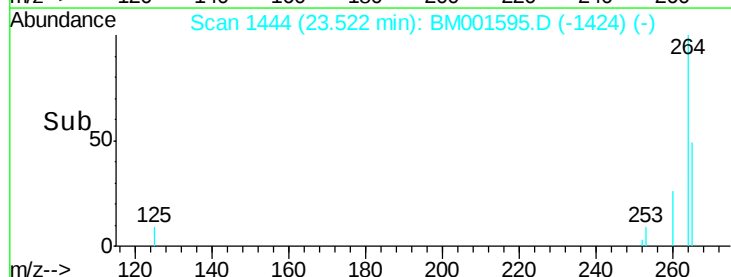
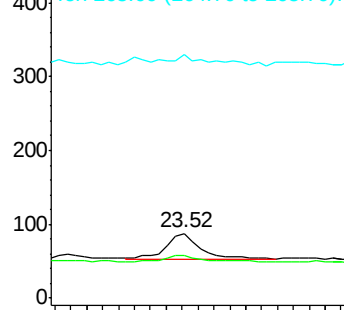
265 375.0 16.5 24.7#

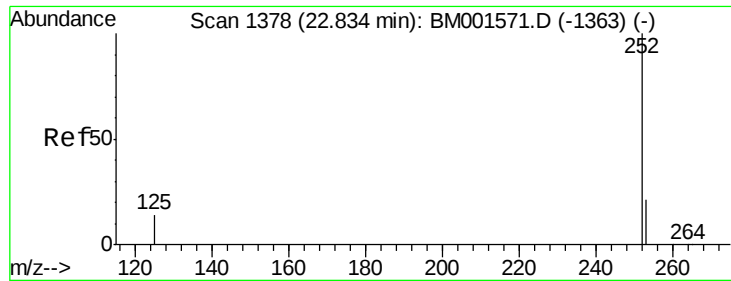


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 3.25 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

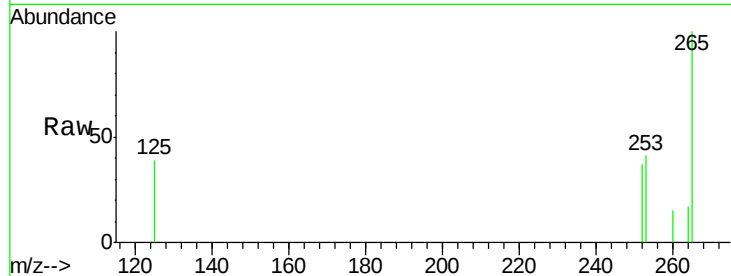
Tgt Ion:252 Resp: 100

Ion Ratio Lower Upper

252 100

253 108.4 17.4 26.2#

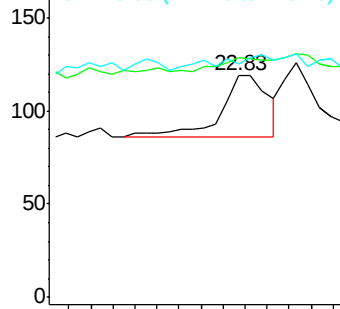
125 105.0 11.8 17.8#



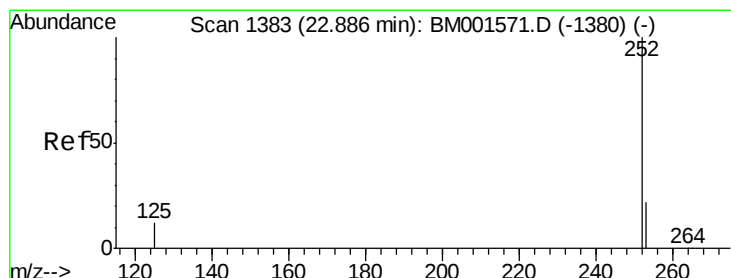
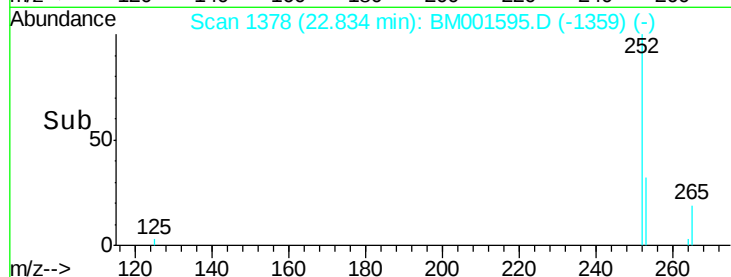
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#34

Benzo(k)fluoranthene

Concen: 3.43 ng

RT: 22.89 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

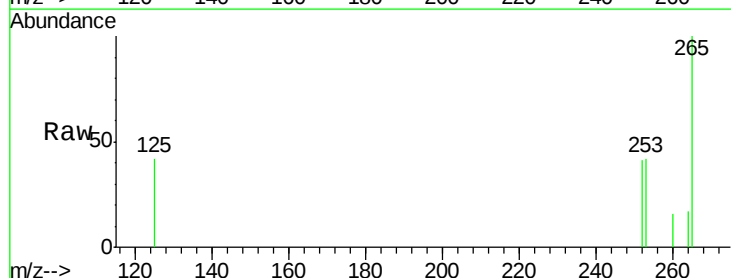
Tgt Ion:252 Resp: 96

Ion Ratio Lower Upper

252 100

253 104.0 18.8 28.2#

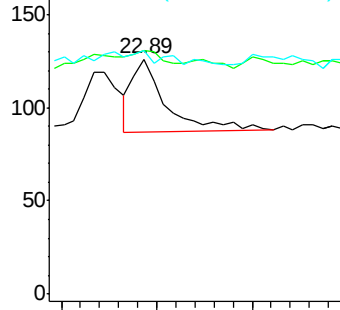
125 104.0 10.7 16.1#



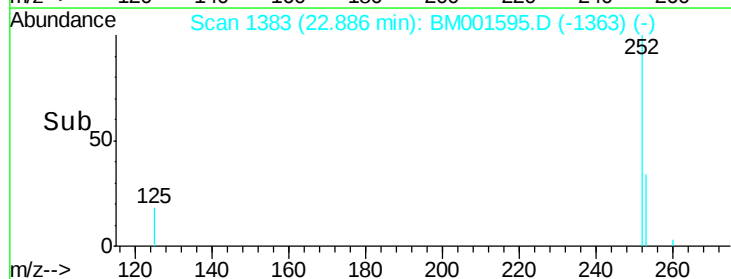
Abundance Ion 252.00 (251.70 to 252.70): E

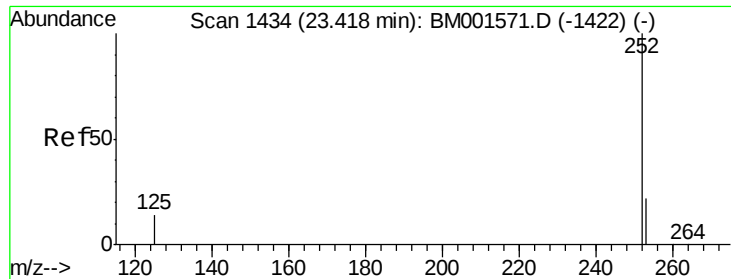
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#35

Benzo(a)pyrene

Concen: 3.35 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

Instrument :

BNA_M

ClientSampleId :

DFTPP

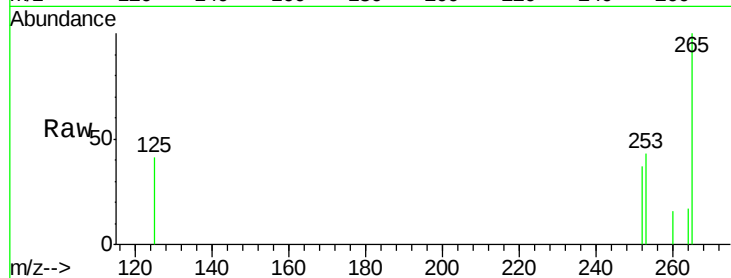
Tgt Ion: 252 Resp: 90

Ion Ratio Lower Upper

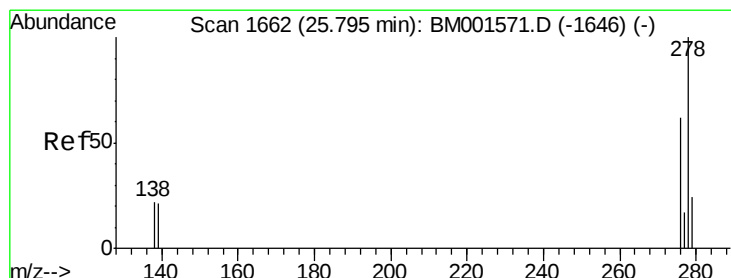
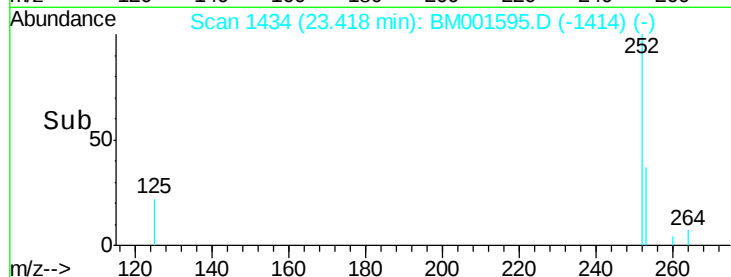
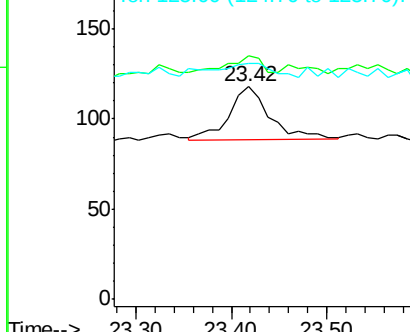
252 100

253 114.4 18.8 28.2#

125 111.0 12.1 18.1#



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



#36

Dibenzo(a,h)anthracene

Concen: 8.08 ng

RT: 25.79 min Scan# 1662

Delta R.T. 0.01 min

Lab File: BM001595.D

Acq: 06 Jun 2015 15:15

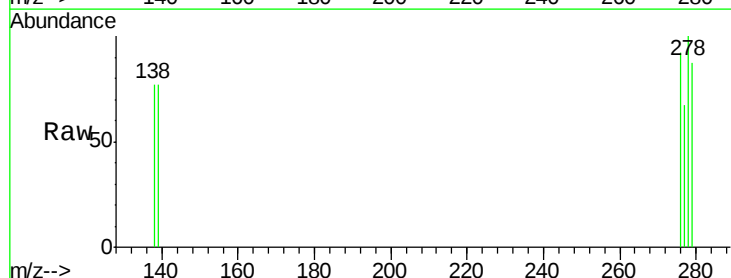
Tgt Ion: 278 Resp: 213

Ion Ratio Lower Upper

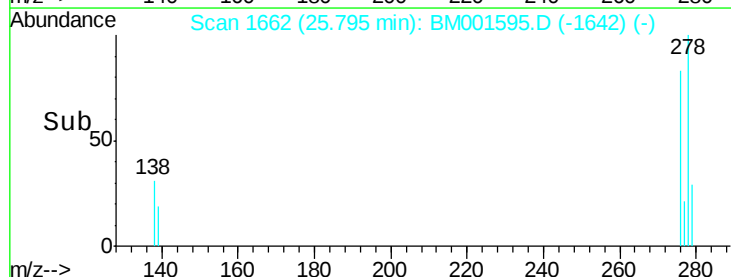
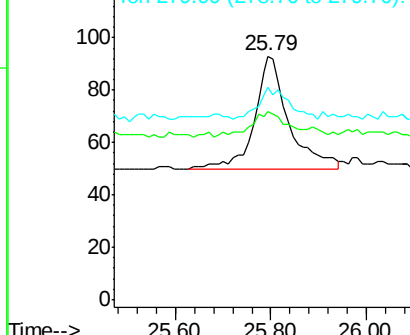
278 100

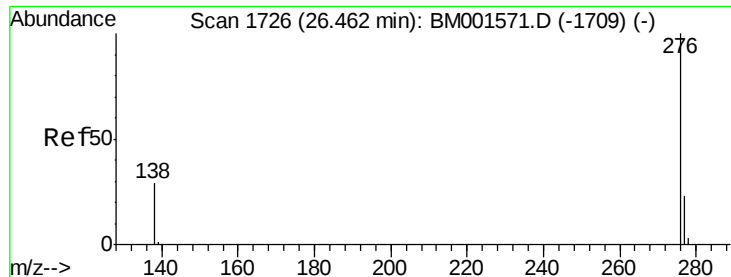
139 77.4 17.4 26.0#

279 87.1 20.0 30.0#



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





#37
 Benzo(g,h,i)perylene
 Concen: 6.57 ng
 RT: 26.46 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BM001595.D
 Acq: 06 Jun 2015 15:15

Instrument :
 BNA_M
 ClientSampleId :
 DFTPP

Tgt Ion: 276 Resp: 182
 Ion Ratio Lower Upper
 276 100
 277 68.1 19.2 28.8#
 138 78.7 23.7 35.5#

