

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004756.D
 Acq On : 24 Mar 2016 18:56
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.434

Quant Time: Mar 25 02:30:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 02:29:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1309	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5228	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2480	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5337	5.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	4415	5.00	ng/ul	0.01
22) Perylene-d12	23.70	264	3328	5.00	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	1432	2.26	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2620	0.44	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4515	0.42	ng/ul	0.00

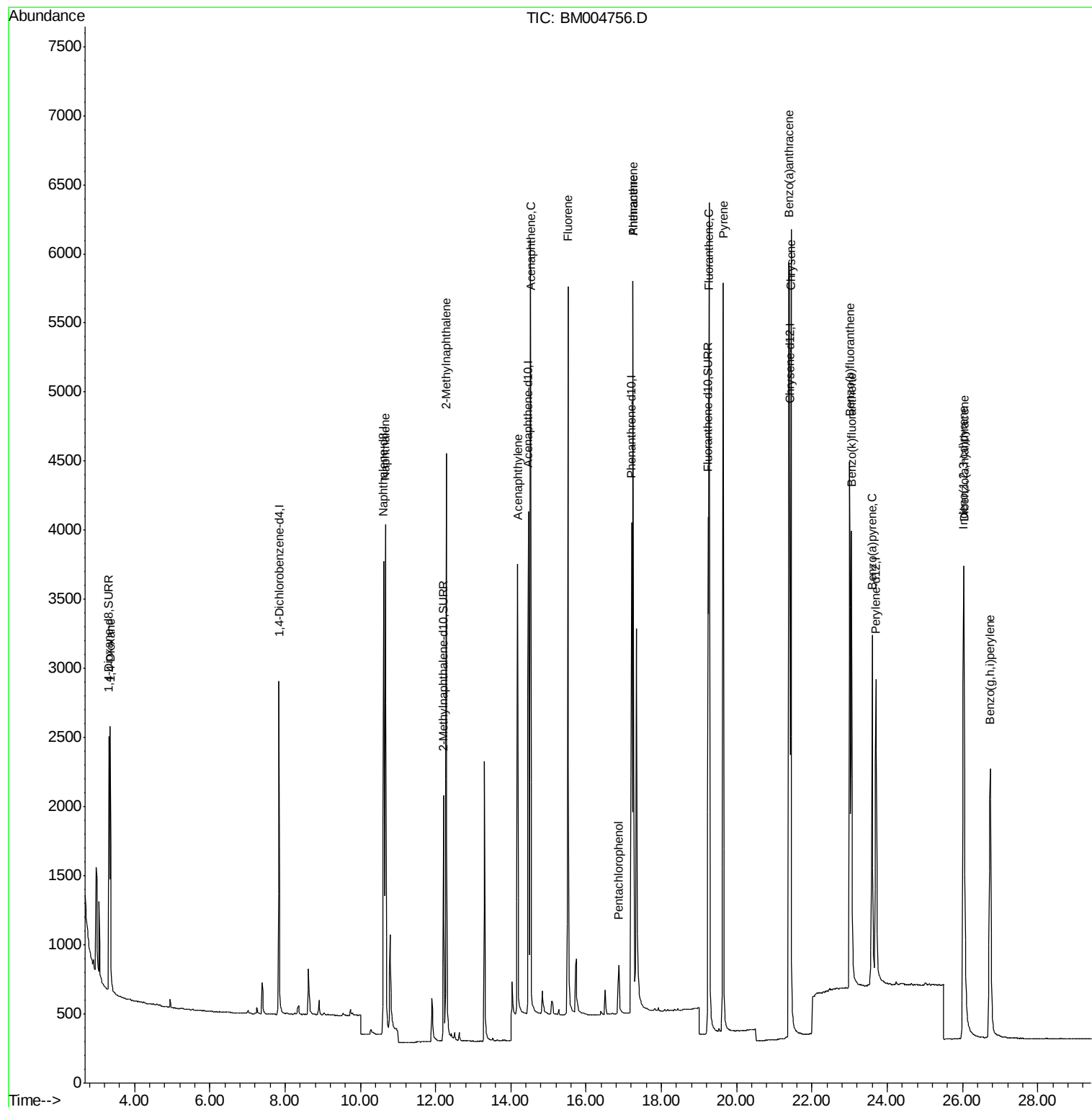
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.35	88	1719	2.22	ng/ul#	20
5) Naphthalene	10.67	128	5296	0.43	ng/ul	96
7) 2-Methylnaphthalene	12.28	142	3427	0.44	ng/ul	99
9) Acenaphthylene	14.18	152	4027	0.44	ng/ul#	96
10) Acenaphthene	14.52	153	3477	0.42	ng/ul#	85
11) Fluorene	15.51	166	3728	0.43	ng/ul	85
13) Pentachlorophenol	16.87	266	354	0.49	ng/ul	95
14) Phenanthrene	17.24	178	6159	0.42	ng/ul#	93
15) Anthracene	17.24	178	6159	0.51	ng/ul	97
17) Fluoranthene	19.27	202	6449	0.43	ng/ul	92
19) Pyrene	19.64	202	6532	0.42	ng/ul#	93
20) Benzo(a)anthracene	21.39	228	4544	0.43	ng/ul	97
21) Chrysene	21.44	228	5954	0.41	ng/ul	97
23) Benzo(b)fluoranthene	23.00	252	4997	0.42	ng/ul	94
24) Benzo(k)fluoranthene	23.04	252	5032	0.42	ng/ul#	94
25) Benzo(a)pyrene	23.60	252	4248	0.42	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	26.03	276	4590	0.42	ng/ul#	82
27) Dibenzo(a,h)anthracene	26.04	278	3587	0.42	ng/ul#	87
28) Benzo(g,h,i)perylene	26.73	276	4226	0.40	ng/ul#	89

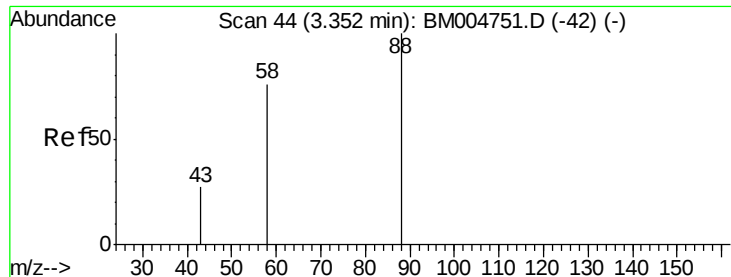
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.22 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

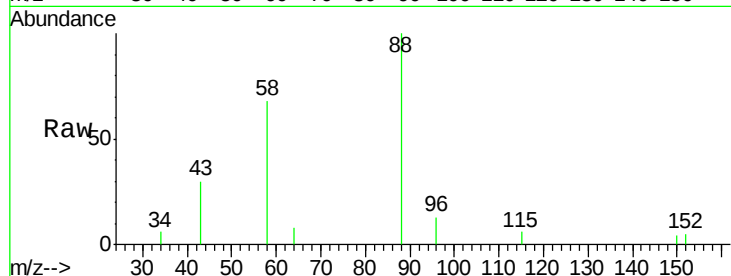
Tgt Ion: 88 Resp: 1719

Ion Ratio Lower Upper

88 100

58 58.1 8.0 12.0#

43 21.0 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004756.D (-31) (-)

Ion 58.00 (57.70 to 58.70): BM004756.D (-31) (-)

Ion 43.00 (42.70 to 43.70): BM004756.D (-31) (-)

3.35

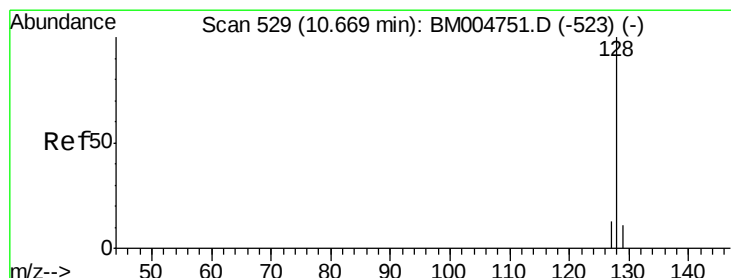
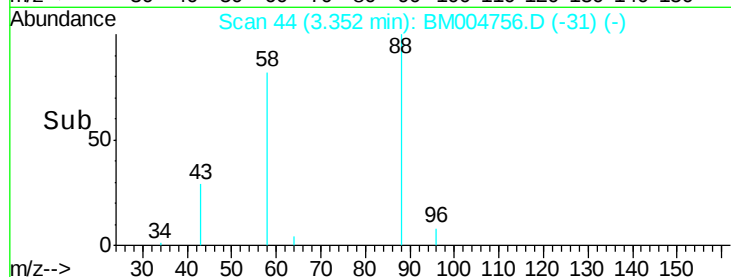
1000

500

0

Time-->

3.30 3.40 3.50



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

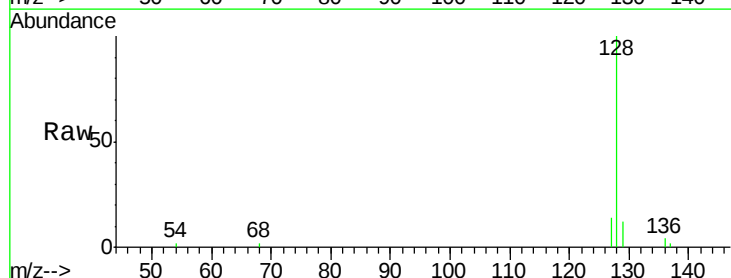
Tgt Ion: 128 Resp: 5296

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

127 14.3 9.6 14.4



Abundance Ion 128.00 (127.70 to 128.70): BM004756.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM004756.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM004756.D (-512) (-)

10.67

4000

3000

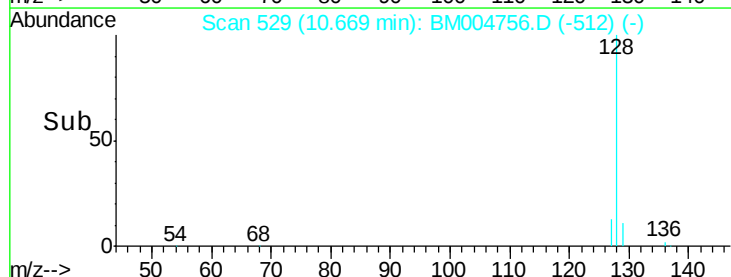
2000

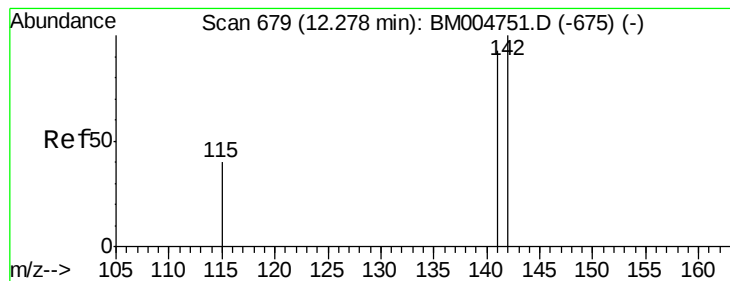
1000

0

Time-->

10.60 10.70 10.80





#7

2-Methylnaphthalene

Concen: 0.44 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

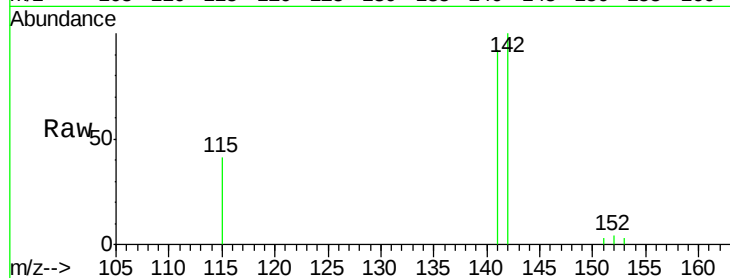
SSTD0.434

Tgt Ion:142 Resp: 3427

Ion Ratio Lower Upper

142 100

141 89.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.28

2000

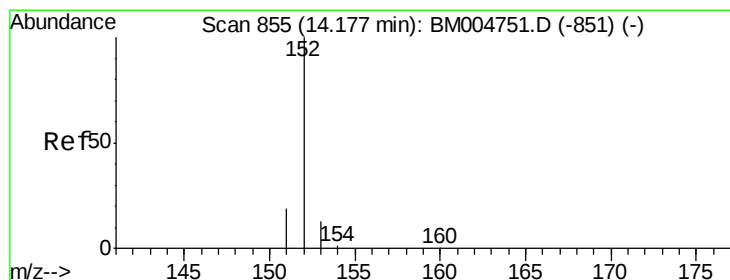
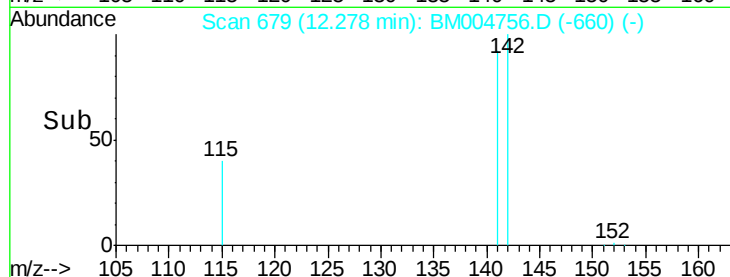
1500

1000

500

0

Time--> 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

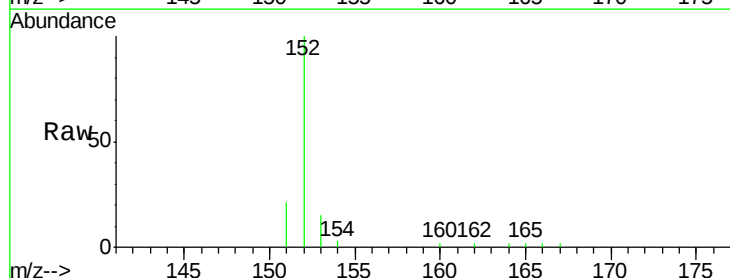
Tgt Ion:152 Resp: 4027

Ion Ratio Lower Upper

152 100

151 20.6 17.6 26.4

153 14.7 9.7 14.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.18

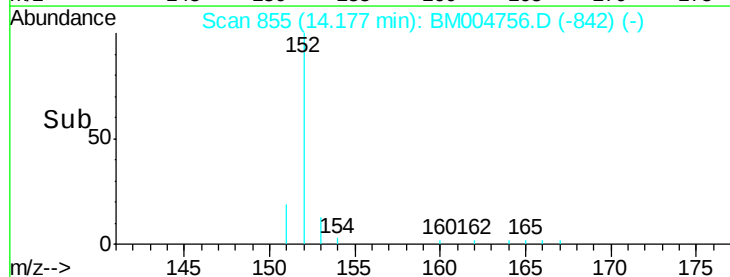
3000

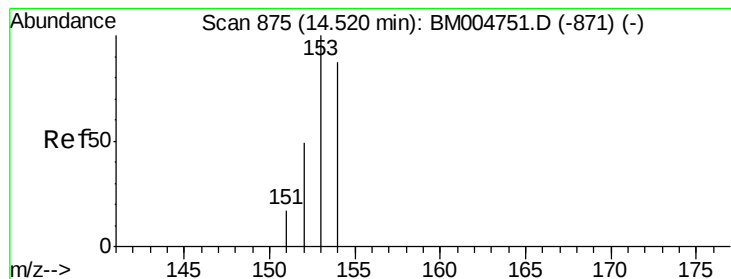
2000

1000

0

Time--> 14.10 14.20 14.30





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

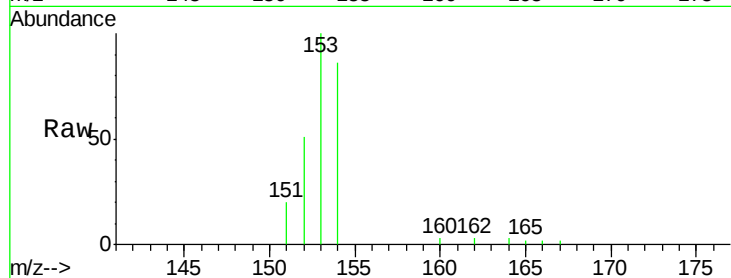
Tgt Ion:153 Resp: 3477

Ion Ratio Lower Upper

153 100

152 51.3 33.9 50.9#

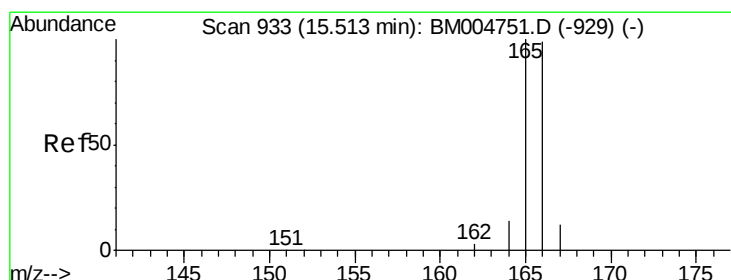
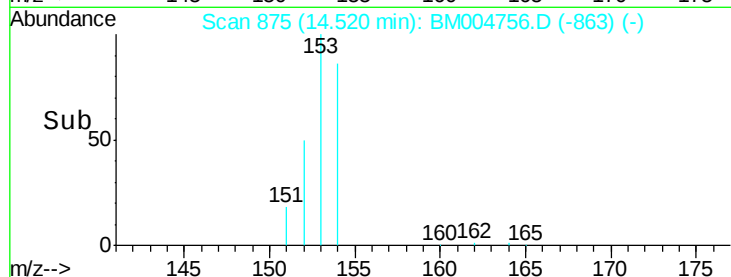
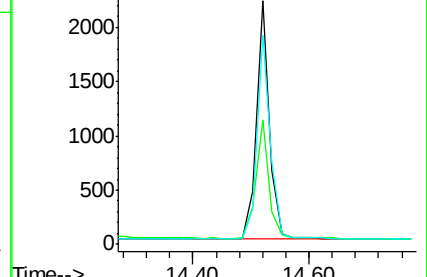
154 85.8 80.6 121.0



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 0.43 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

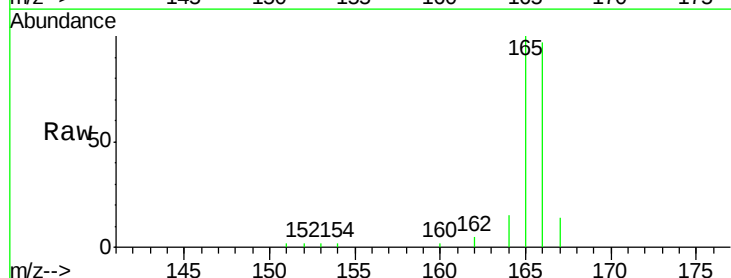
Tgt Ion:166 Resp: 3728

Ion Ratio Lower Upper

166 100

165 103.1 69.6 104.4

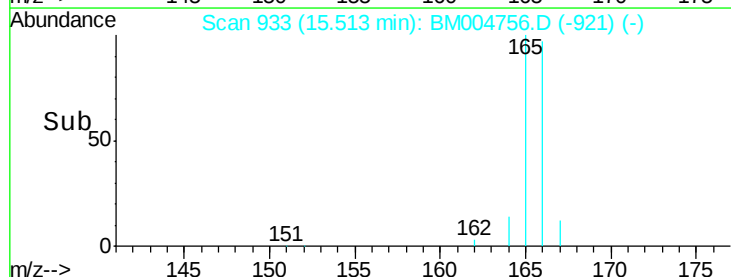
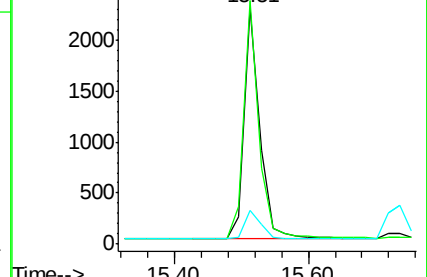
167 14.4 11.9 17.9

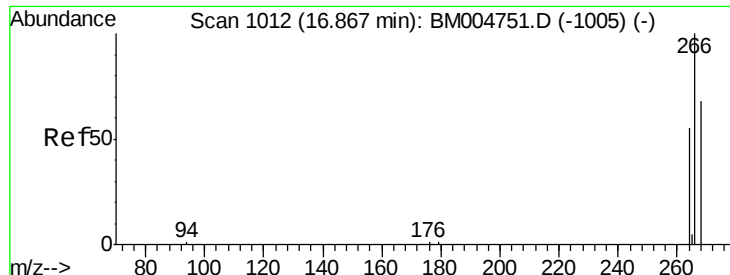


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

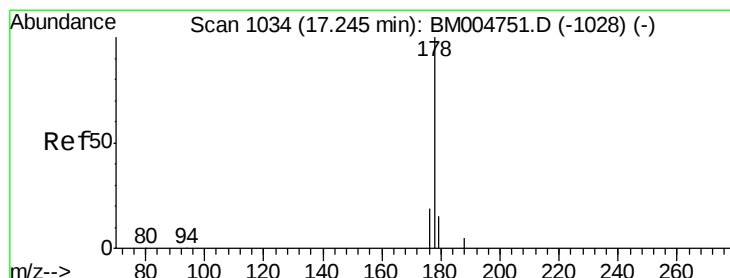
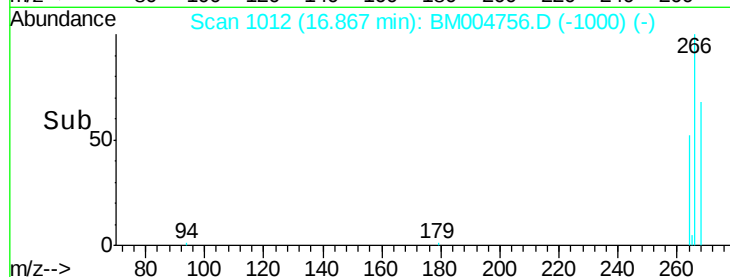
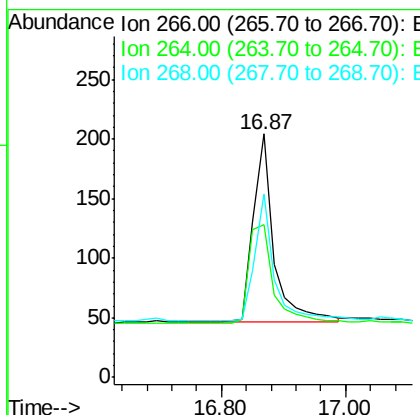
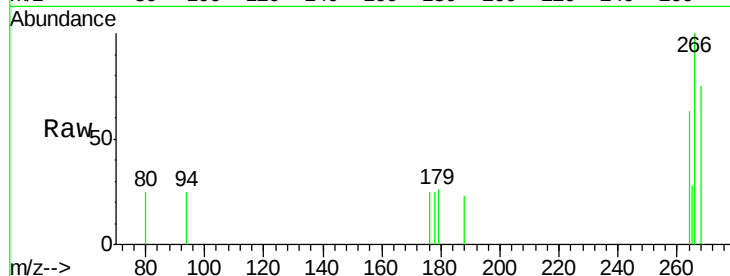




#13
 Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: BM004756.D
 Acq: 24 Mar 2016 18:56

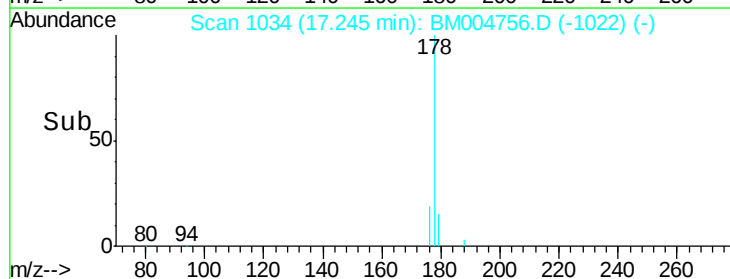
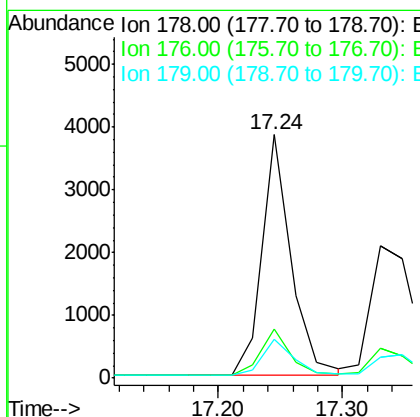
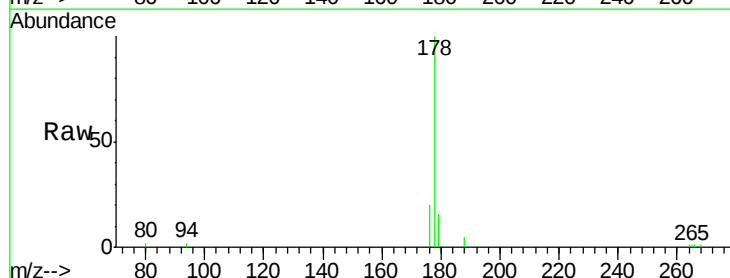
Instrument :
 BNA_M
 ClientSampleId :
 SST0.434

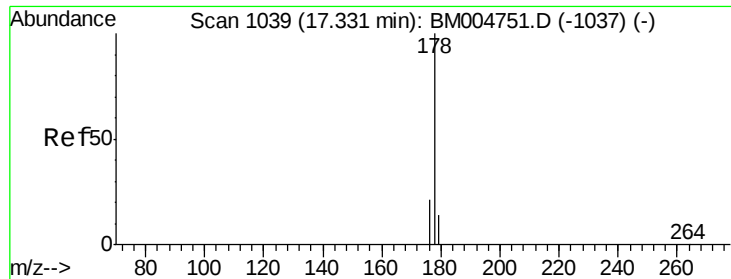
Tgt Ion: 266 Resp: 354
 Ion Ratio Lower Upper
 266 100
 264 63.0 51.8 77.8
 268 63.8 46.8 70.2



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BM004756.D
 Acq: 24 Mar 2016 18:56

Tgt Ion: 178 Resp: 6159
 Ion Ratio Lower Upper
 178 100
 176 20.4 13.0 19.4#
 179 16.1 14.2 21.2





#15

Anthracene

Concen: 0.51 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

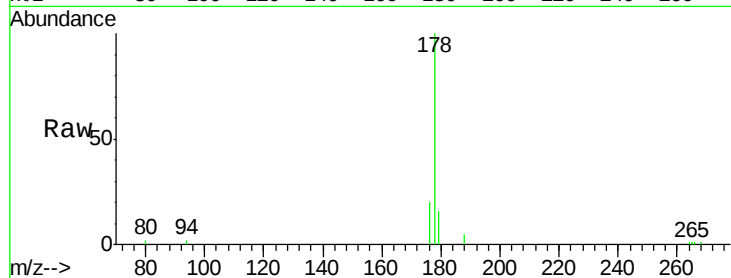
Tgt Ion:178 Resp: 6159

Ion Ratio Lower Upper

178 100

176 20.4 14.0 21.0

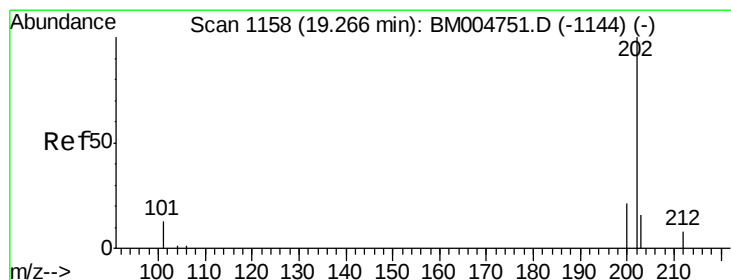
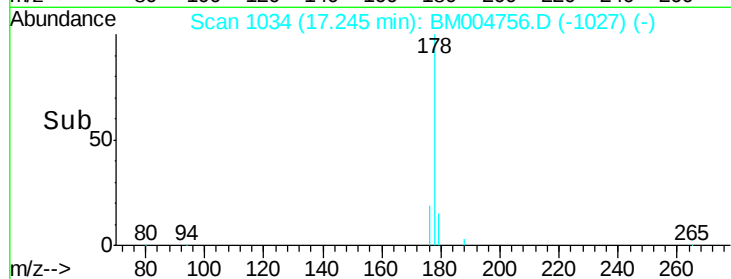
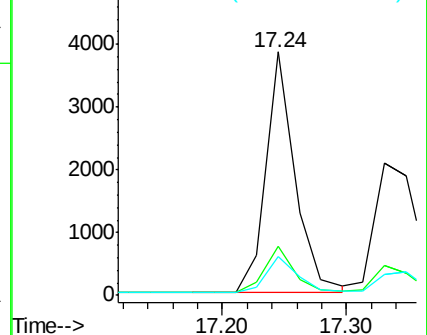
179 16.1 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Fluoranthene

Concen: 0.43 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

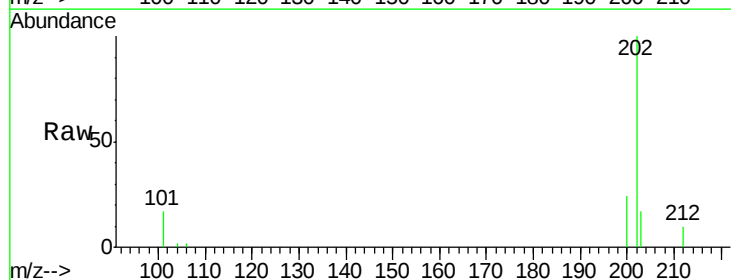
Tgt Ion:202 Resp: 6449

Ion Ratio Lower Upper

202 100

101 17.1 0.0 29.6

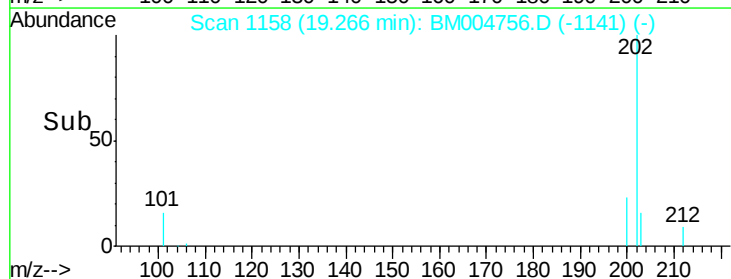
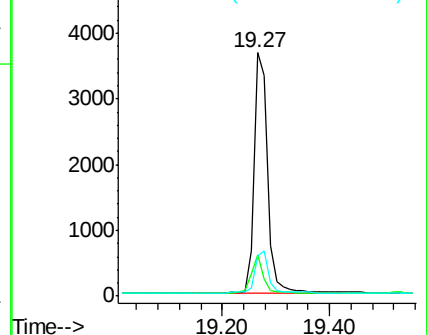
203 16.7 0.0 36.3

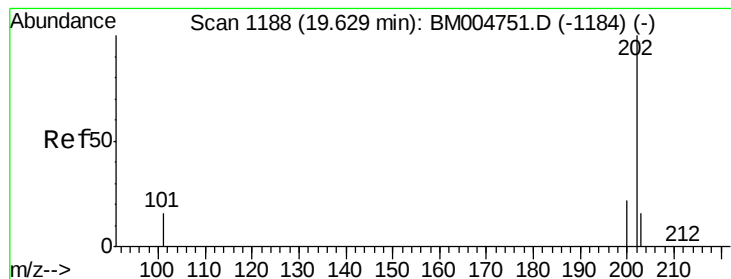


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.42 ng/ul

RT: 19.64 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

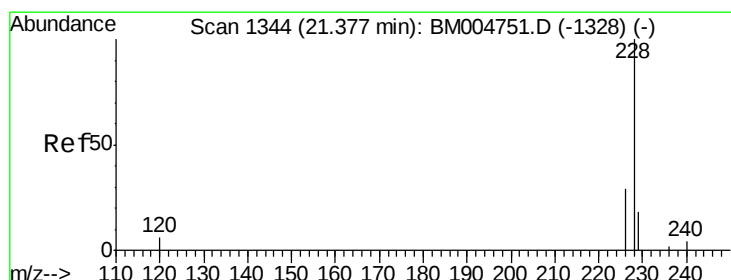
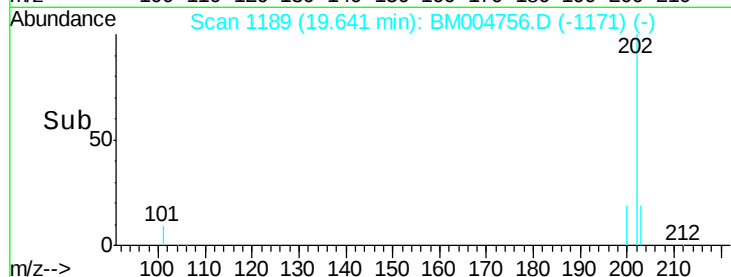
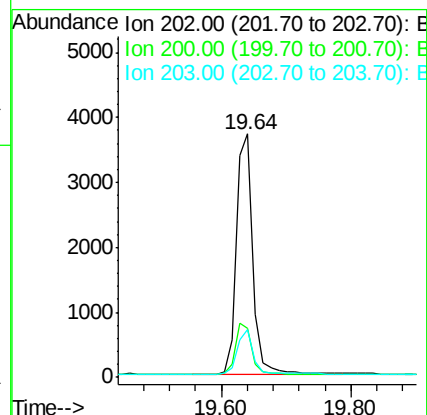
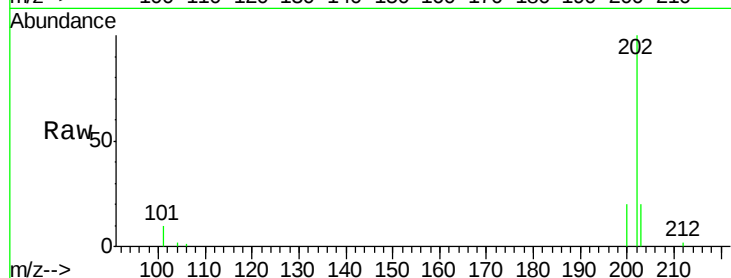
Tgt Ion:202 Resp: 6532

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.8

203 19.9 12.8 19.2#



#20

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

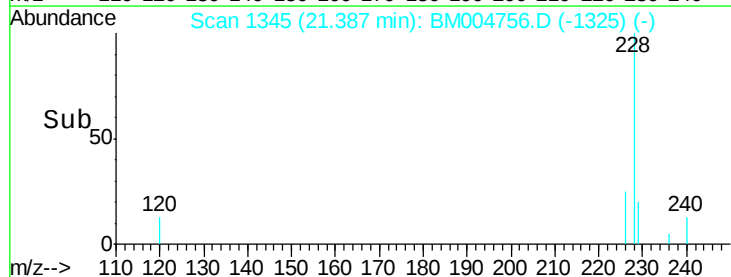
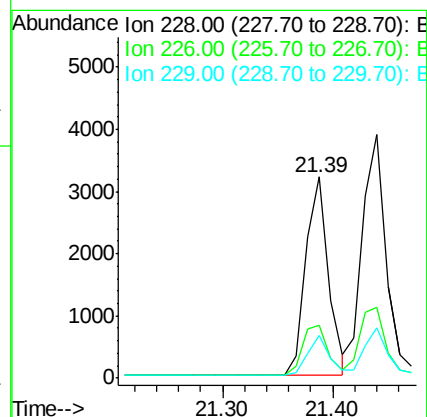
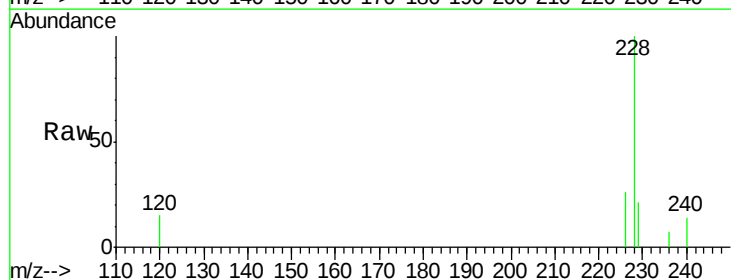
Tgt Ion:228 Resp: 4544

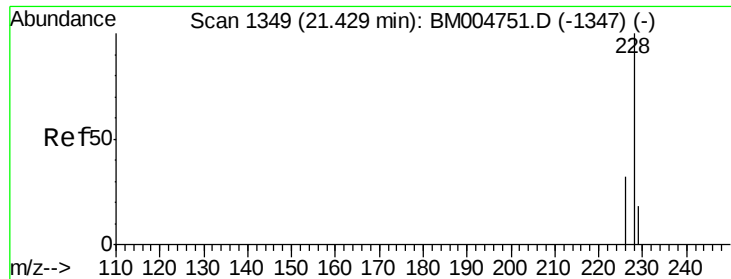
Ion Ratio Lower Upper

228 100

226 26.3 18.8 28.2

229 21.4 17.1 25.7





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.44 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

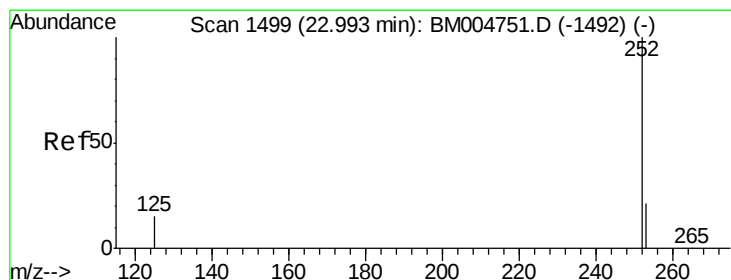
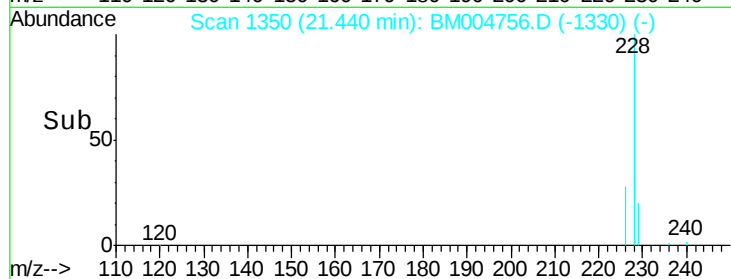
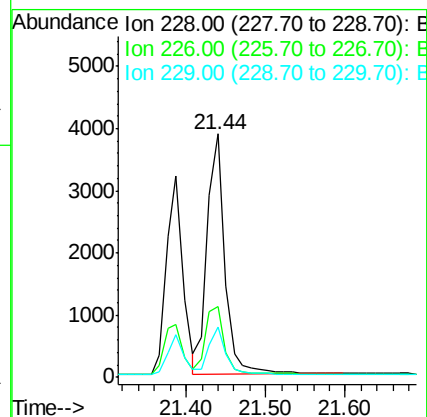
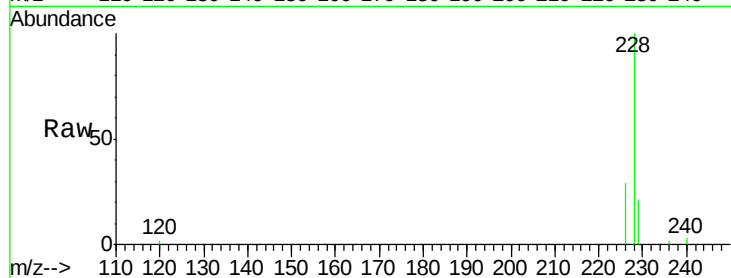
Tgt Ion:228 Resp: 5954

Ion Ratio Lower Upper

228 100

226 28.9 21.2 31.8

229 20.9 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 23.00 min Scan# 1500

Delta R.T. 0.01 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

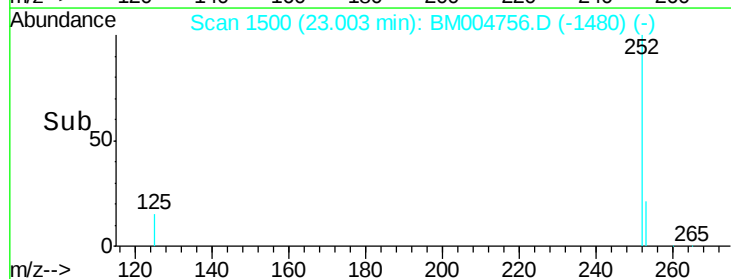
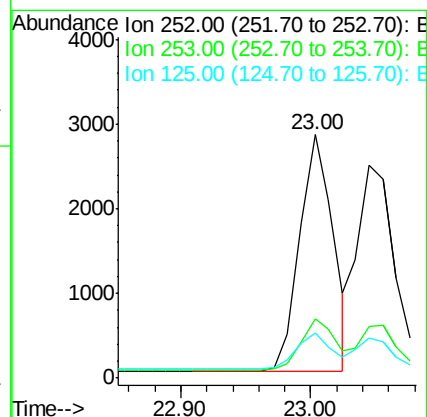
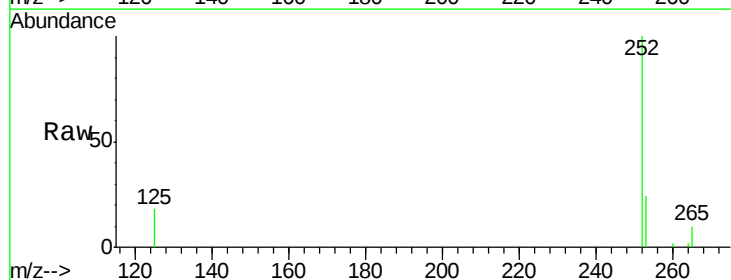
Tgt Ion:252 Resp: 4997

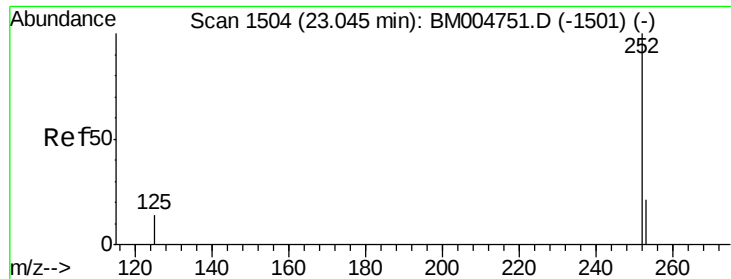
Ion Ratio Lower Upper

252 100

253 24.3 0.0 45.4

125 18.4 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 23.04 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

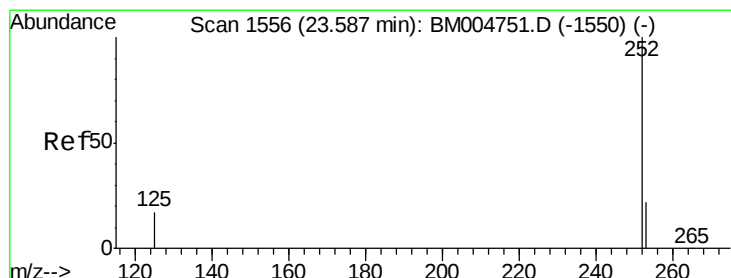
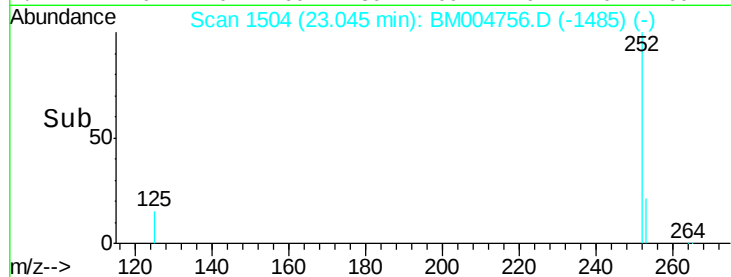
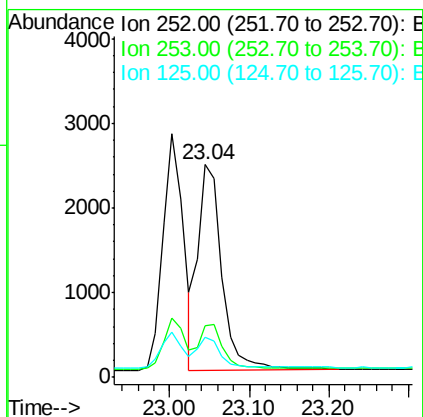
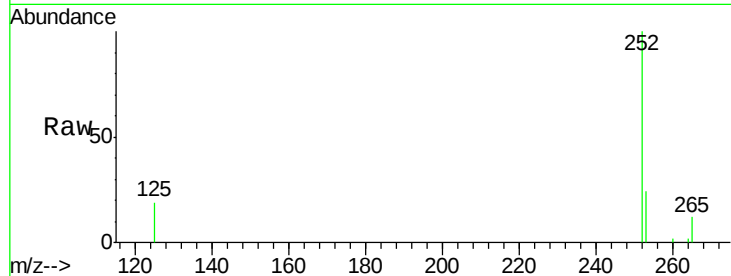
Tgt Ion:252 Resp: 5032

Ion Ratio Lower Upper

252 100

253 24.1 19.8 29.8

125 19.2 10.4 15.6#



#25

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.60 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

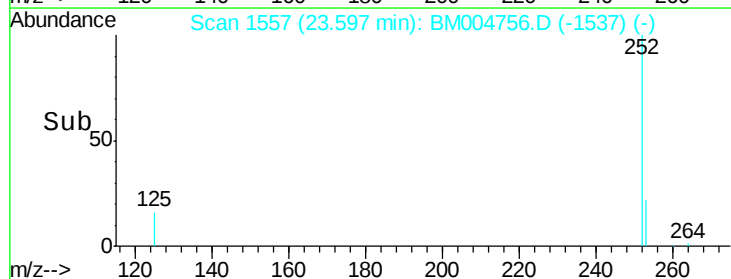
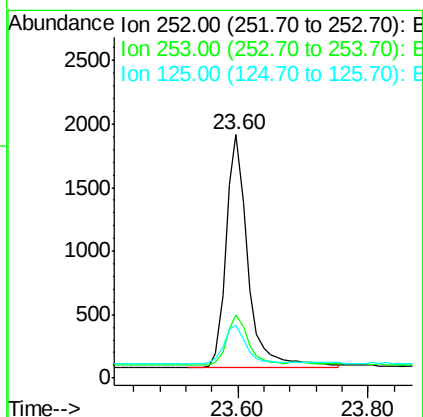
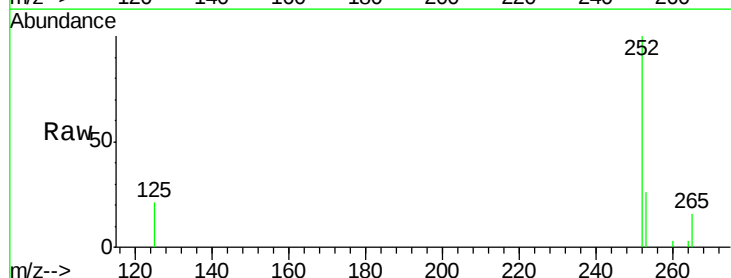
Tgt Ion:252 Resp: 4248

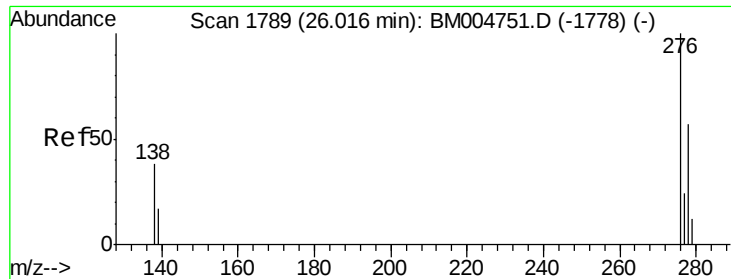
Ion Ratio Lower Upper

252 100

253 26.1 19.4 29.2

125 21.5 12.7 19.1#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

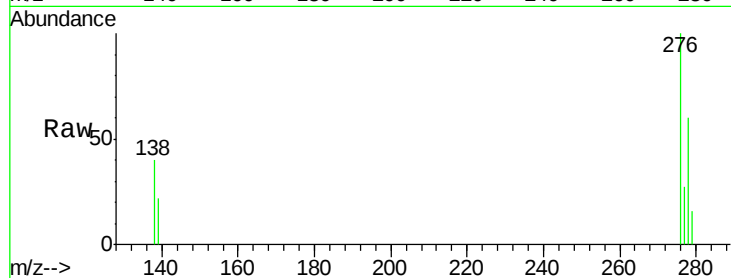
Tgt Ion:276 Resp: 4590

Ion Ratio Lower Upper

276 100

138 38.6 16.3 24.5#

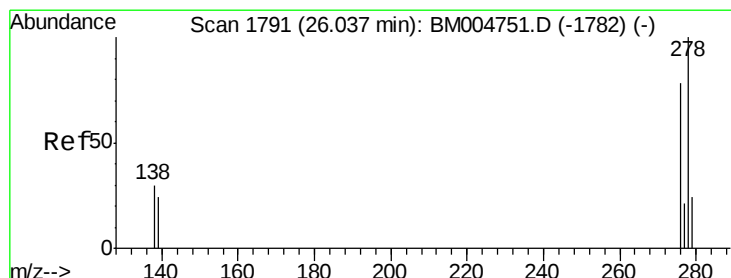
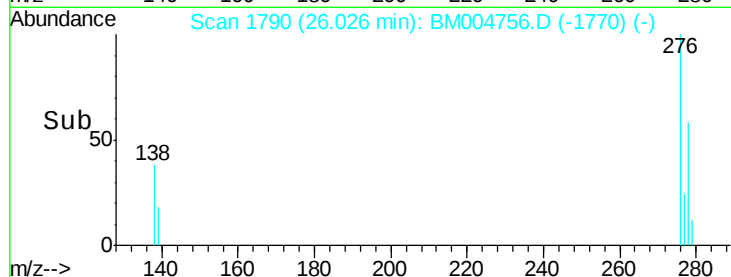
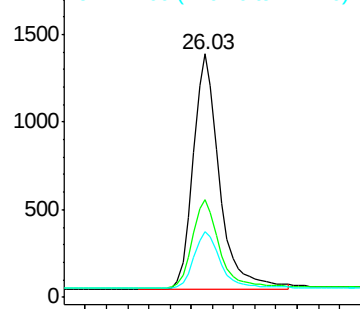
277 24.8 19.8 29.8



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



#27

Dibenzo(a,h)anthracene

Concen: 0.42 ng/ul

RT: 26.04 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BM004756.D

Acq: 24 Mar 2016 18:56

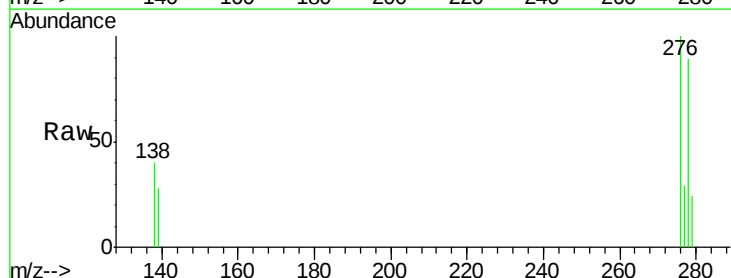
Tgt Ion:278 Resp: 3587

Ion Ratio Lower Upper

278 100

139 31.2 16.4 24.6#

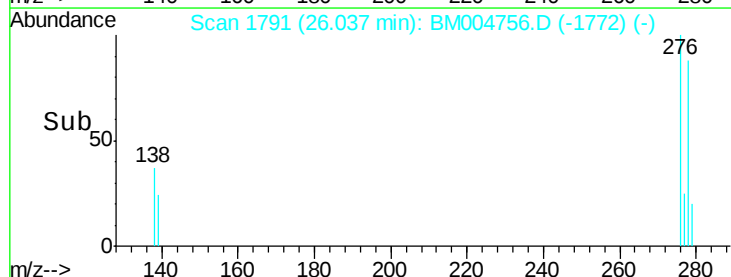
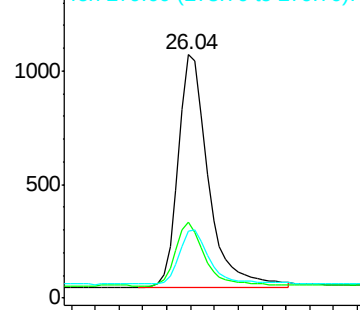
279 27.5 20.2 30.2

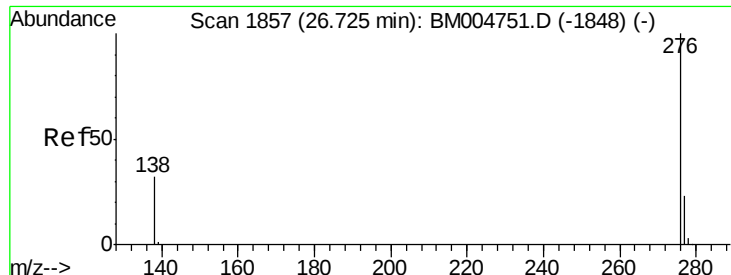


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 26.73 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BM004756.D

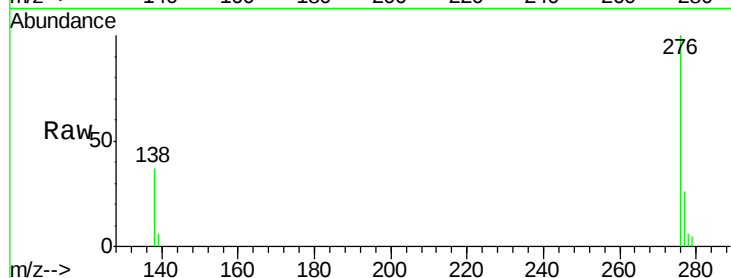
Acq: 24 Mar 2016 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.434



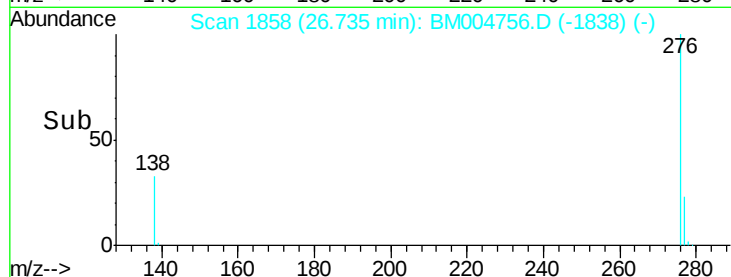
Tgt Ion: 276 Resp: 4226

Ion Ratio Lower Upper

276 100

277 26.2 18.9 28.3

138 36.5 22.5 33.7#



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

