

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004769.D
 Acq On : 25 Mar 2016 02:50
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.435

Quant Time: Mar 25 04:12:28 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 03:18:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1187	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5090	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2556	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5326	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	5351	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	4757	5.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	1111	1.93	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2607	0.45	ng/ul	0.00
16) Fluoranthene-d10	19.25	212	5305	0.49	ng/ul	0.00

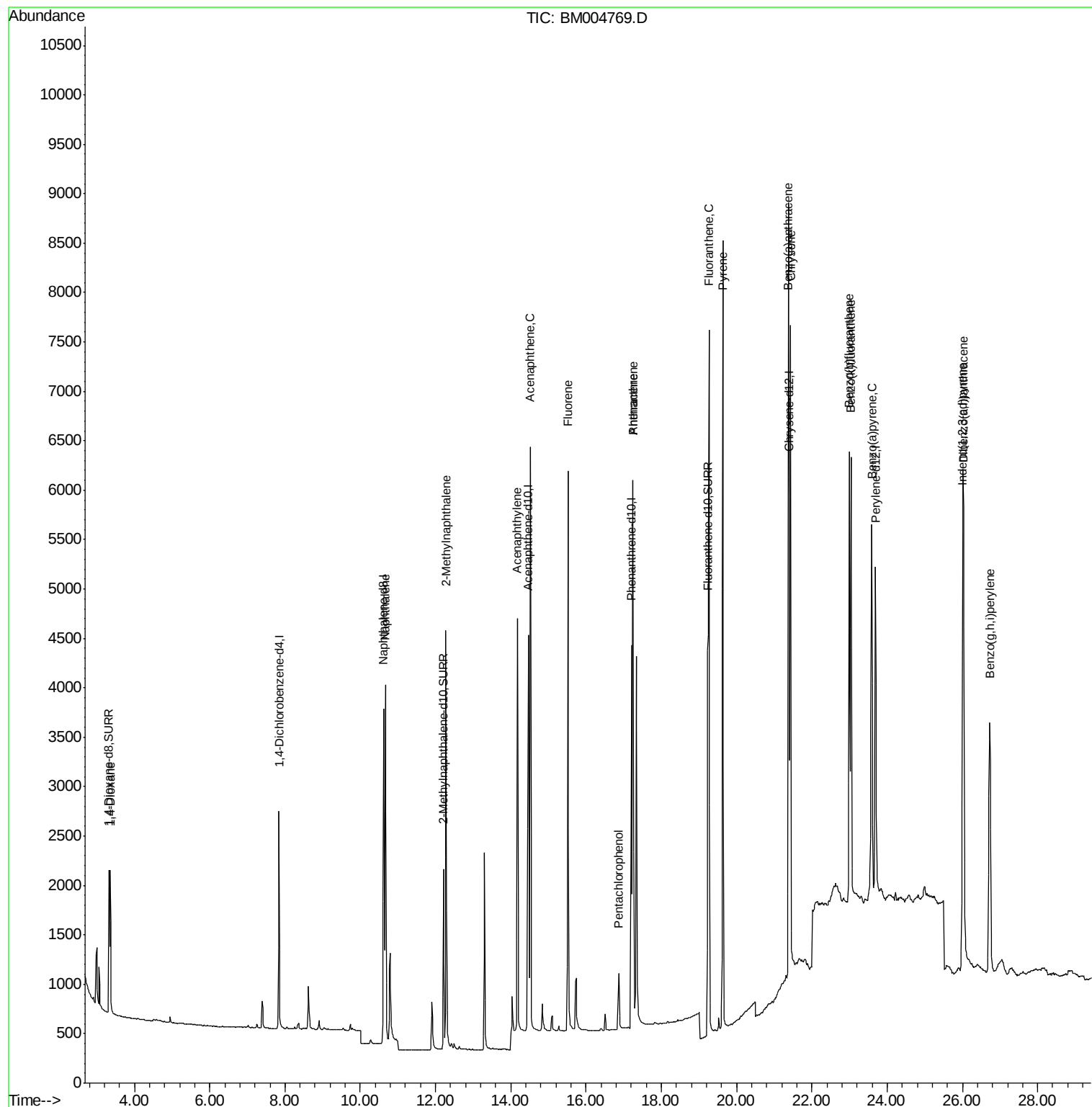
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.35	88	1355	1.93	ng/ul#	21
5) Naphthalene	10.67	128	5112	0.43	ng/ul#	95
7) 2-Methylnaphthalene	12.28	142	3434	0.45	ng/ul	100
9) Acenaphthylene	14.18	152	4989	0.53	ng/ul	96
10) Acenaphthene	14.52	153	3625	0.43	ng/ul#	84
11) Fluorene	15.51	166	3995	0.45	ng/ul	85
13) Pentachlorophenol	16.87	266	493	0.69	ng/ul	95
14) Phenanthrene	17.24	178	6262	0.43	ng/ul#	93
15) Anthracene	17.24	178	6261	0.52	ng/ul	96
17) Fluoranthene	19.27	202	7204	0.48	ng/ul	95
19) Pyrene	19.63	202	7630	0.41	ng/ul	96
20) Benzo(a)anthracene	21.38	228	6486	0.51	ng/ul	92
21) Chrysene	21.43	228	6368	0.37	ng/ul	93
23) Benzo(b)fluoranthene	23.00	252	6231	0.37	ng/ul#	76
24) Benzo(k)fluoranthene	23.04	252	5740	0.33	ng/ul#	79
25) Benzo(a)pyrene	23.59	252	5968	0.42	ng/ul#	73
26) Indeno(1,2,3-cd)pyrene	26.01	276	6387	0.41	ng/ul#	83
27) Dibenzo(a,h)anthracene	26.03	278	5073	0.41	ng/ul#	73
28) Benzo(g,h,i)perylene	26.73	276	5419	0.36	ng/ul#	82

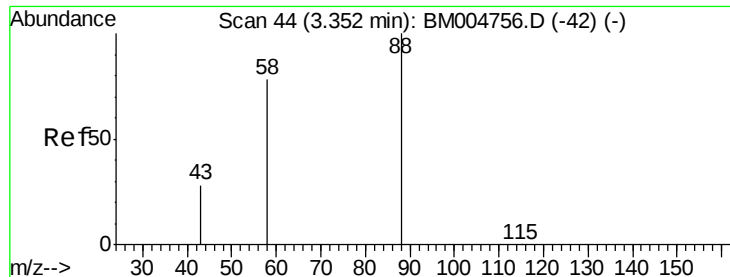
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.93 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

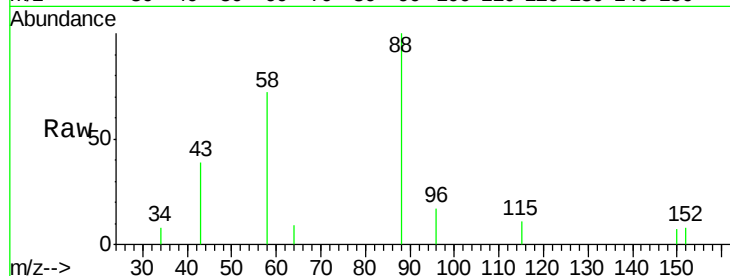
Tgt Ion: 88 Resp: 1355

Ion Ratio Lower Upper

88 100

58 57.0 8.0 12.0#

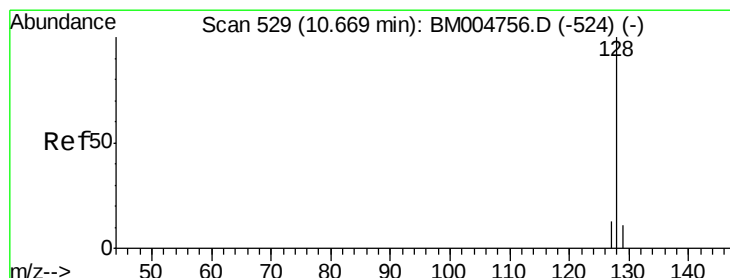
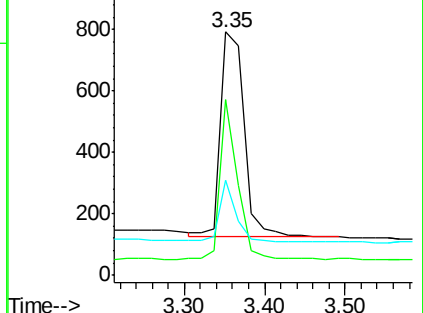
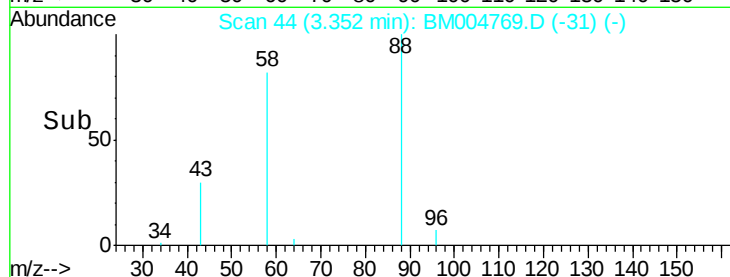
43 21.5 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004756.D (-42) (-)

Ion 58.00 (57.70 to 58.70): BM004756.D (-42) (-)

Ion 43.00 (42.70 to 43.70): BM004756.D (-42) (-)



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

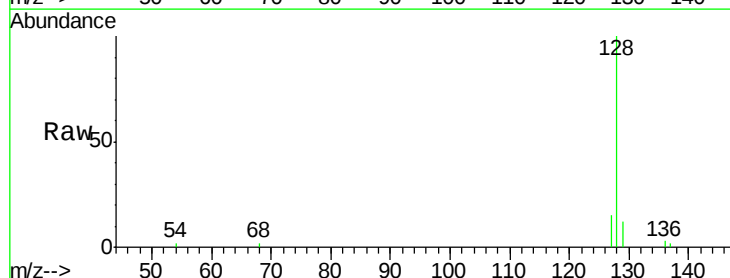
Tgt Ion: 128 Resp: 5112

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

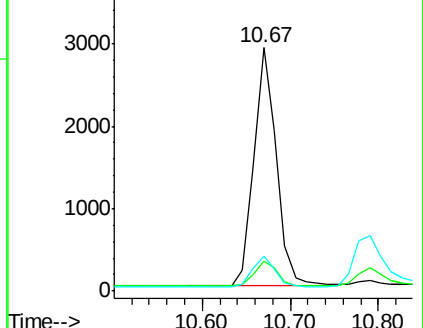
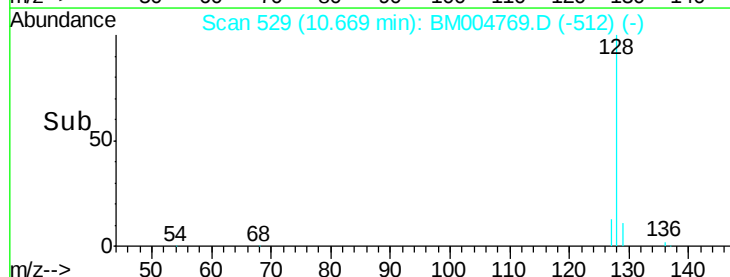
127 14.6 9.6 14.4#

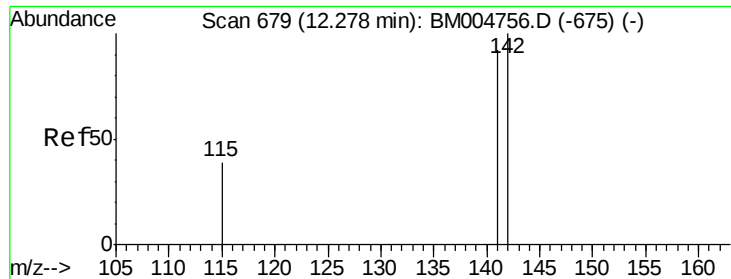


Abundance Ion 128.00 (127.70 to 128.70): BM004756.D (-524) (-)

Ion 129.00 (128.70 to 129.70): BM004756.D (-524) (-)

Ion 127.00 (126.70 to 127.70): BM004756.D (-524) (-)





#7

2-Methylnaphthalene

Concen: 0.45 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

ClientSampleId :

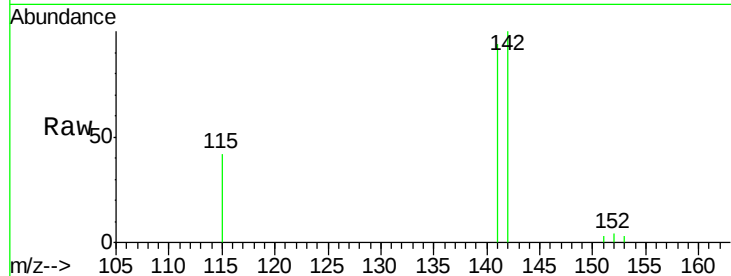
SSTD0.435

Tgt Ion:142 Resp: 3434

Ion Ratio Lower Upper

142 100

141 88.3 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

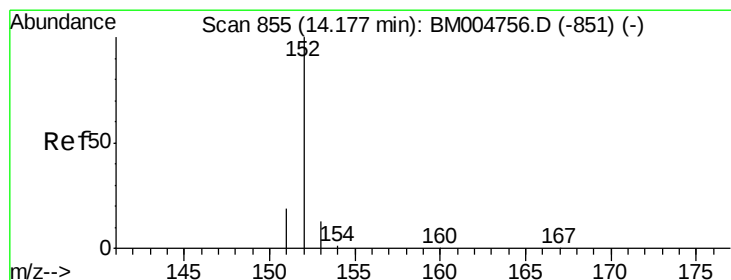
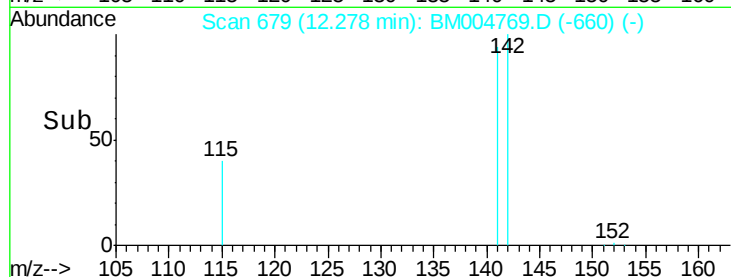
1500

1000

500

0

Time--> 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 0.53 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

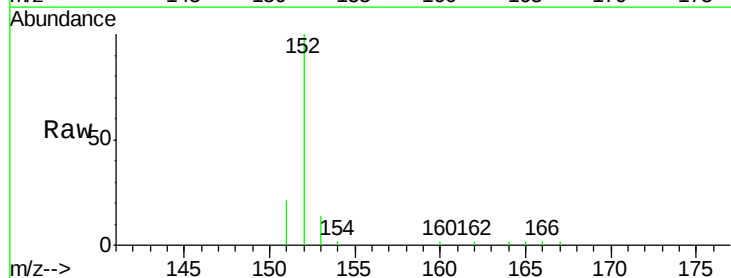
Tgt Ion:152 Resp: 4989

Ion Ratio Lower Upper

152 100

151 20.6 17.6 26.4

153 14.4 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

4000

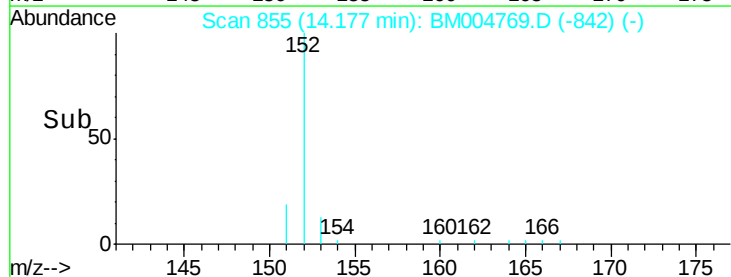
3000

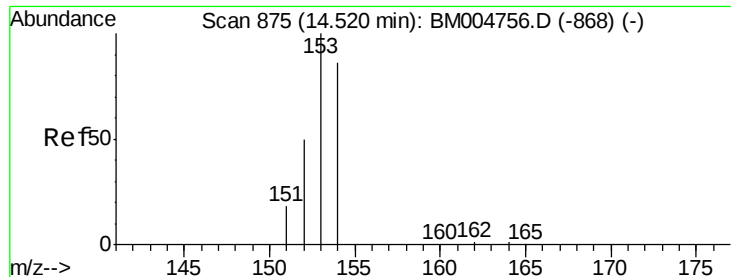
2000

1000

0

Time--> 14.10 14.20 14.30





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

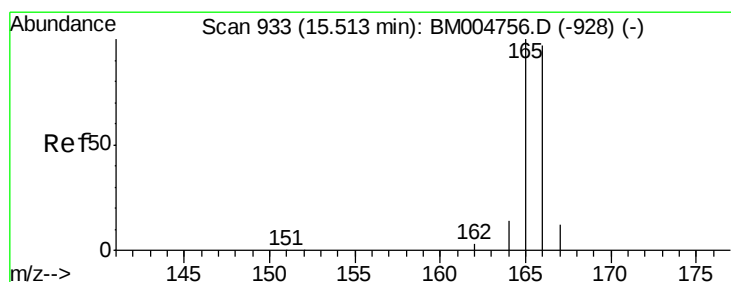
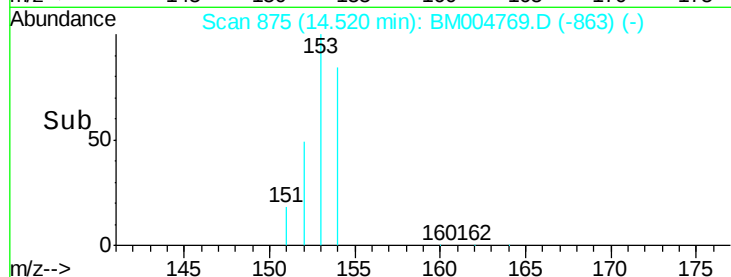
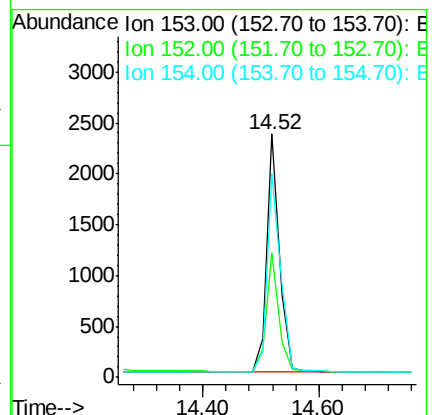
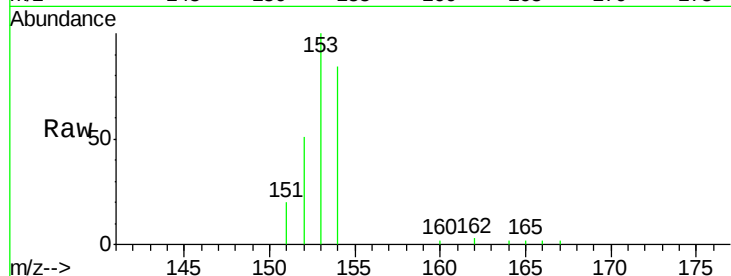
Tgt Ion:153 Resp: 3625

Ion Ratio Lower Upper

153 100

152 51.1 33.9 50.9#

154 83.9 80.6 121.0



#11

Fluorene

Concen: 0.45 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

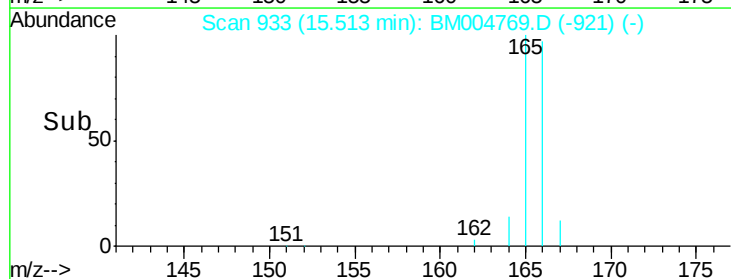
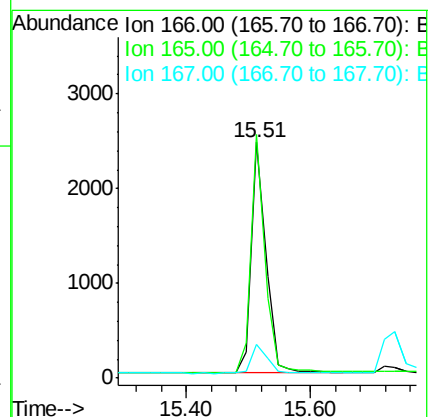
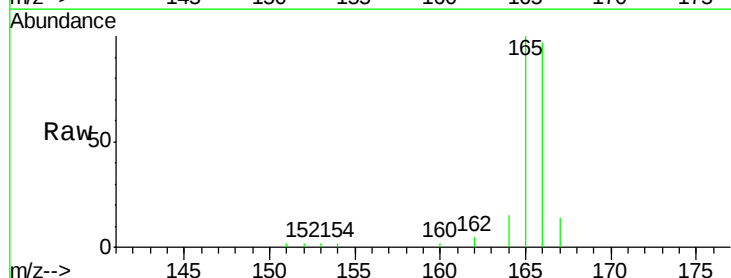
Tgt Ion:166 Resp: 3995

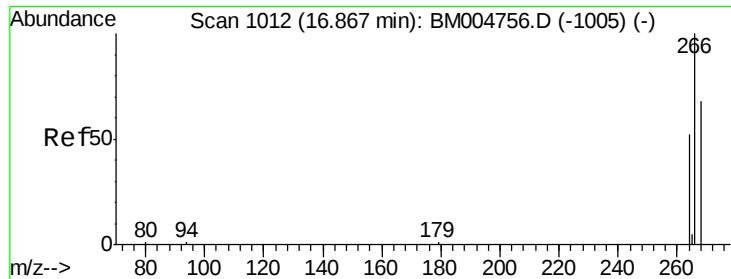
Ion Ratio Lower Upper

166 100

165 103.5 69.6 104.4

167 14.4 11.9 17.9

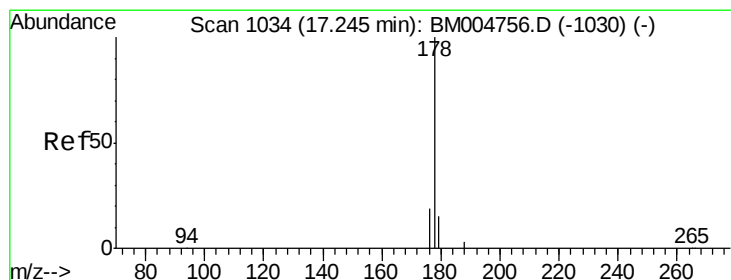
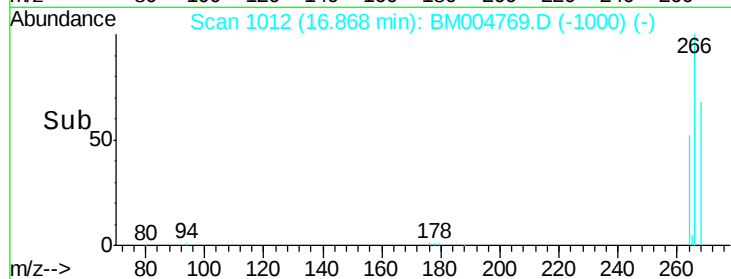
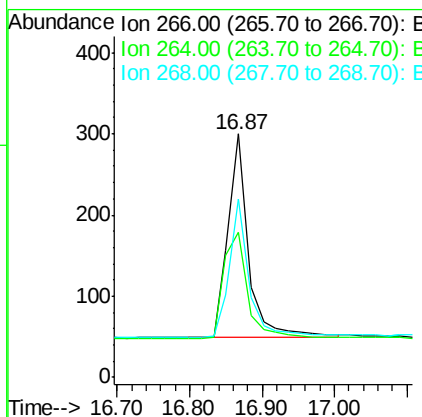
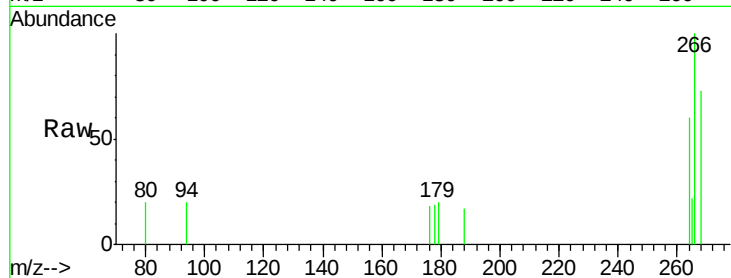




#13
 Pentachlorophenol
 Concen: 0.69 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: BM004769.D
 Acq: 25 Mar 2016 02:50

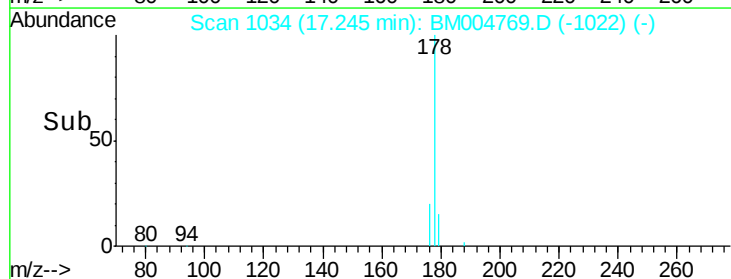
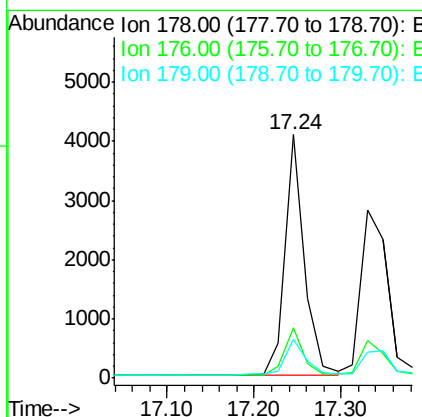
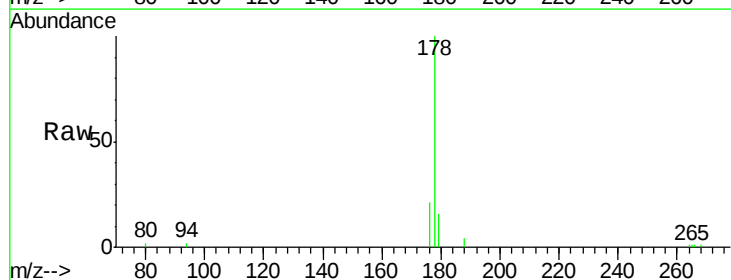
Instrument :
 BNA_M
 ClientSampleId :
 SST0.435

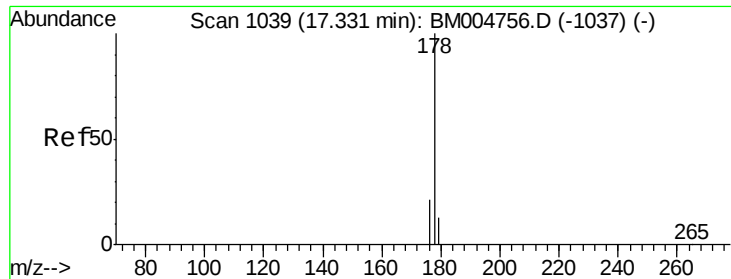
Tgt Ion: 266 Resp: 493
 Ion Ratio Lower Upper
 266 100
 264 61.5 51.8 77.8
 268 63.5 46.8 70.2



#14
 Phenanthrene
 Concen: 0.43 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BM004769.D
 Acq: 25 Mar 2016 02:50

Tgt Ion: 178 Resp: 6262
 Ion Ratio Lower Upper
 178 100
 176 20.7 13.0 19.4#
 179 15.9 14.2 21.2





#15

Anthracene

Concen: 0.52 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

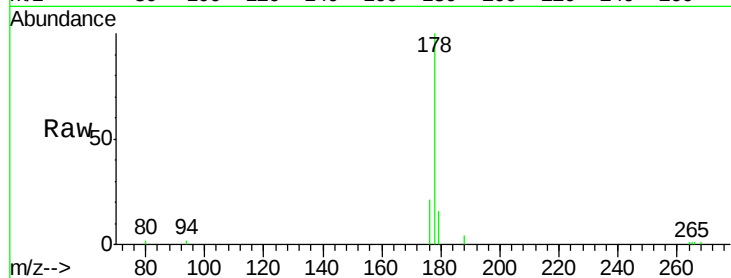
Tgt Ion:178 Resp: 6261

Ion Ratio Lower Upper

178 100

176 20.7 14.0 21.0

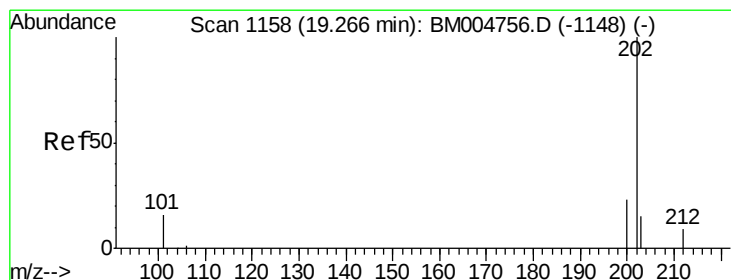
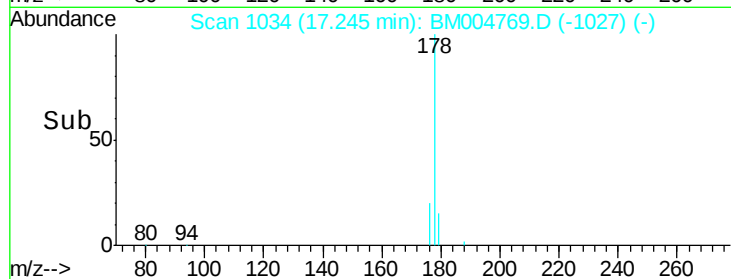
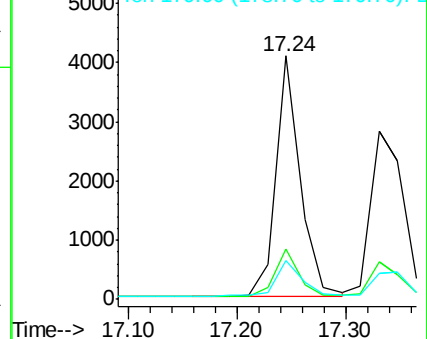
179 15.9 12.9 19.3



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: 0.48 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

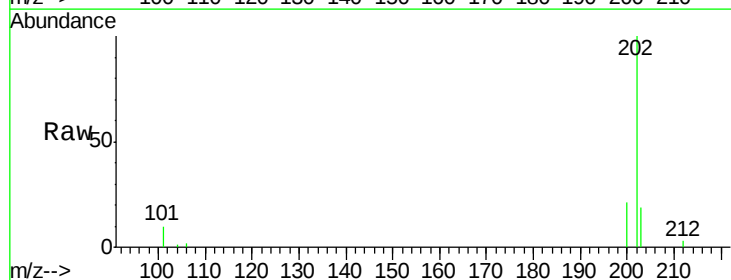
Tgt Ion:202 Resp: 7204

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

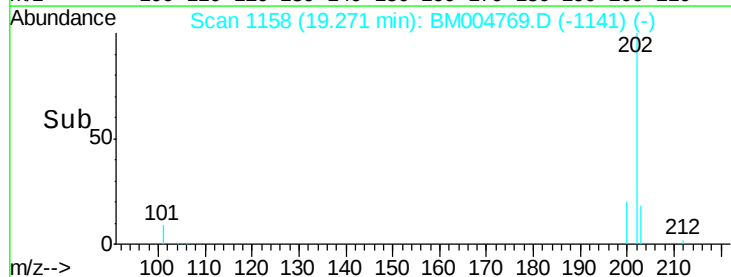
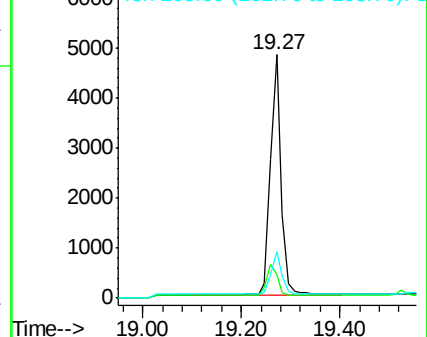
203 19.2 0.0 36.3

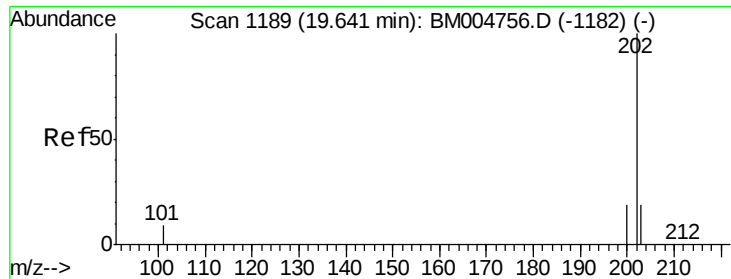


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.41 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004769.D

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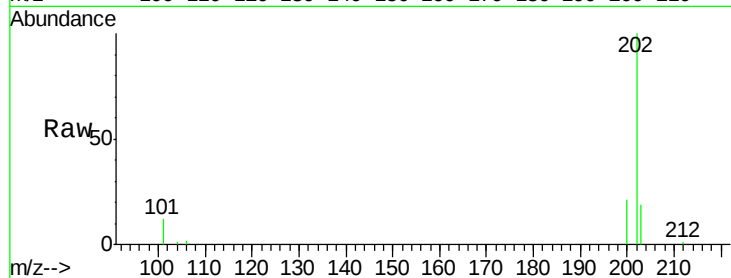
Tgt Ion:202 Resp: 7630

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.8

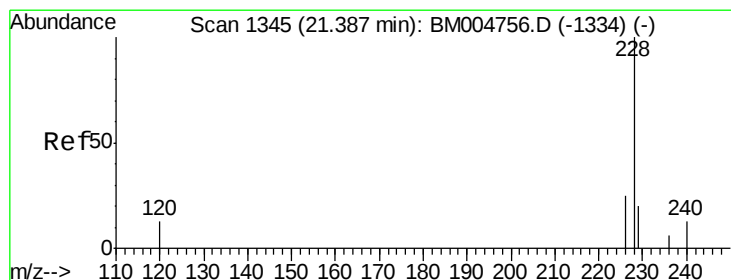
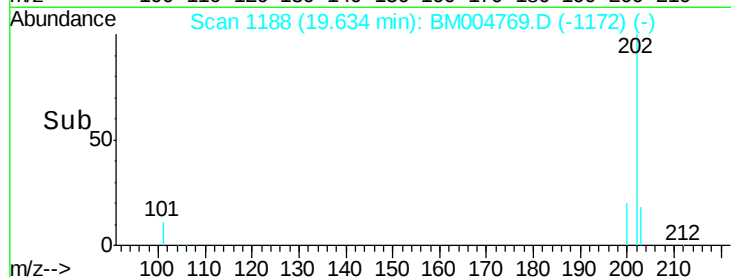
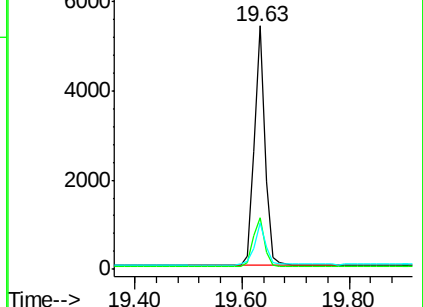
203 19.0 12.8 19.2



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



#20

Benzo(a)anthracene

Concen: 0.51 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

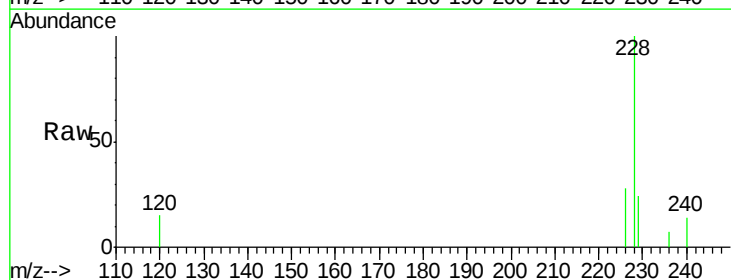
Tgt Ion:228 Resp: 6486

Ion Ratio Lower Upper

228 100

226 27.9 18.8 28.2

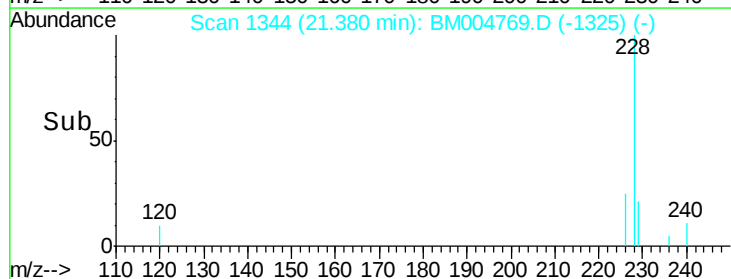
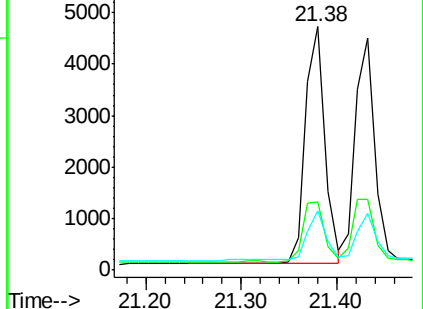
229 24.1 17.1 25.7

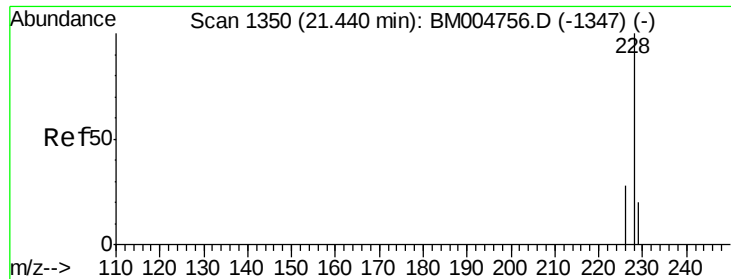


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.37 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

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SSTD0.435

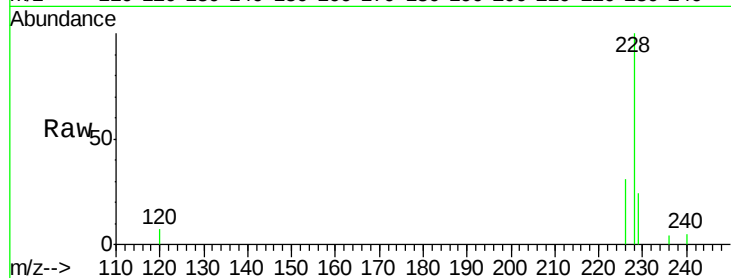
Tgt Ion:228 Resp: 6368

Ion Ratio Lower Upper

228 100

226 30.6 21.2 31.8

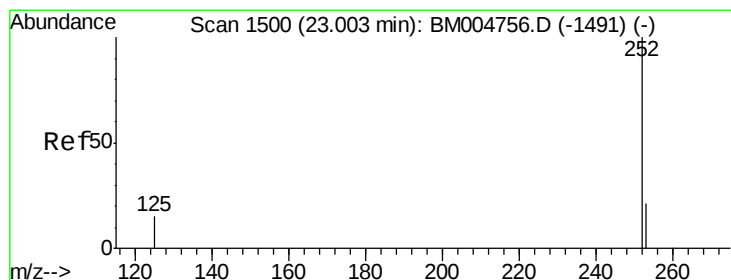
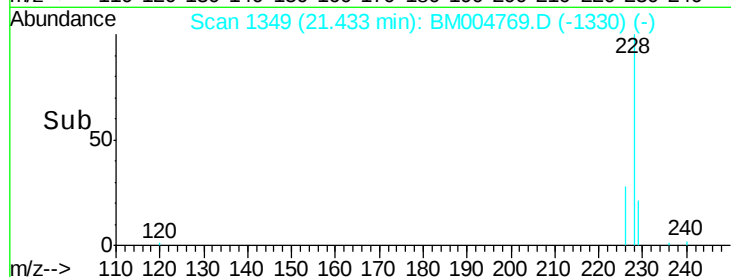
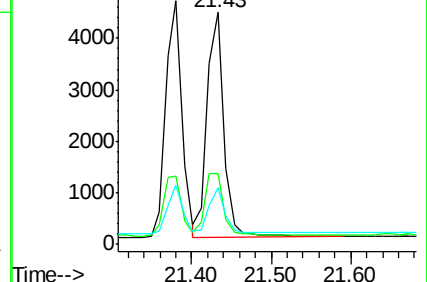
229 24.3 17.0 25.6



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



#23

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 23.00 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

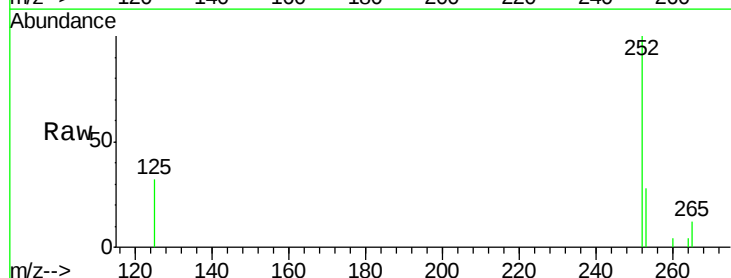
Tgt Ion:252 Resp: 6231

Ion Ratio Lower Upper

252 100

253 27.9 0.0 45.4

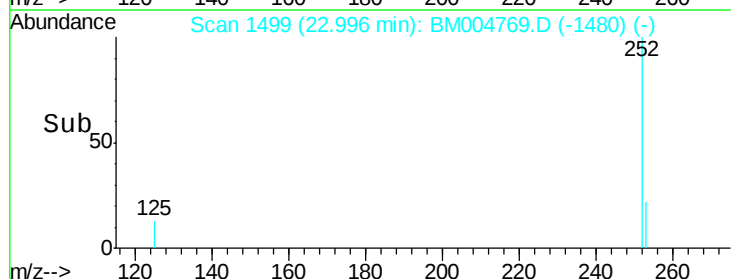
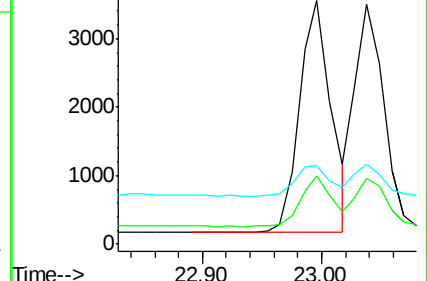
125 32.5 0.0 28.8#

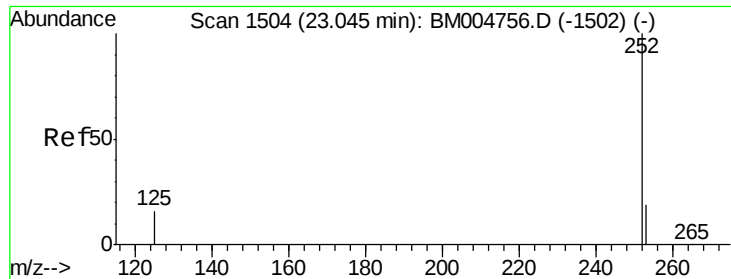


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.33 ng/u1

RT: 23.04 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

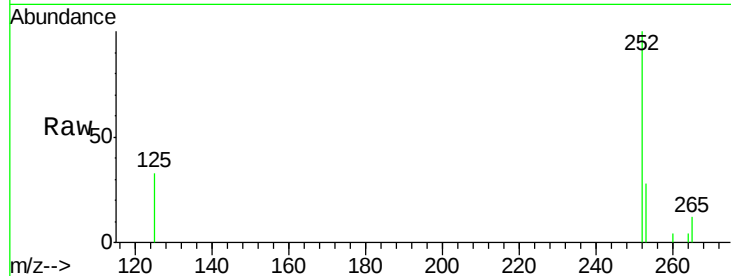
Tgt Ion:252 Resp: 5740

Ion Ratio Lower Upper

252 100

253 27.5 19.8 29.8

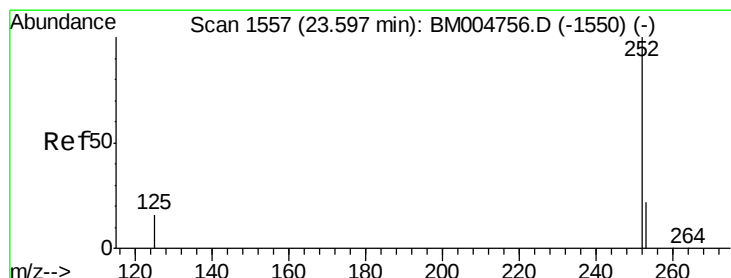
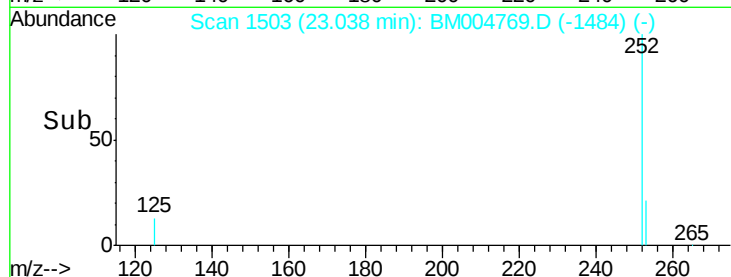
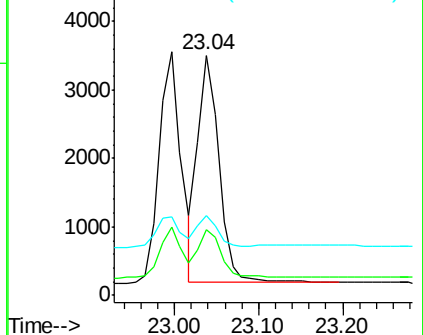
125 33.1 10.4 15.6#



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



#25

Benzo(a)pyrene

Concen: 0.42 ng/u1

RT: 23.59 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

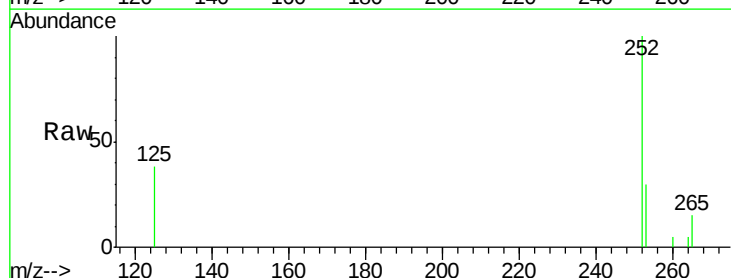
Tgt Ion:252 Resp: 5968

Ion Ratio Lower Upper

252 100

253 29.9 19.4 29.2#

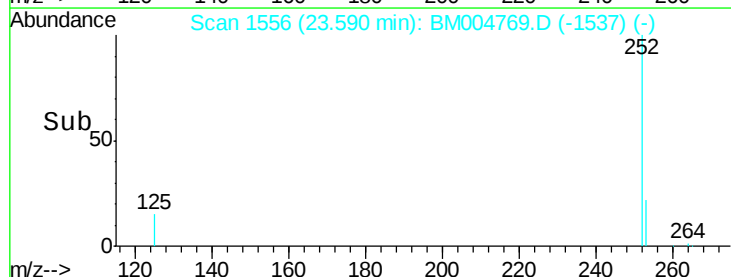
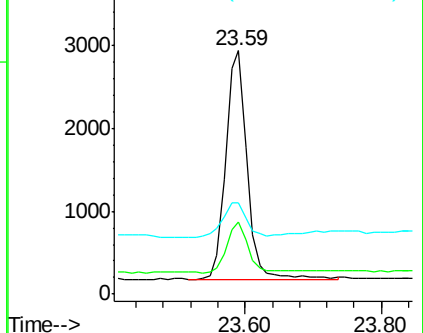
125 37.7 12.7 19.1#

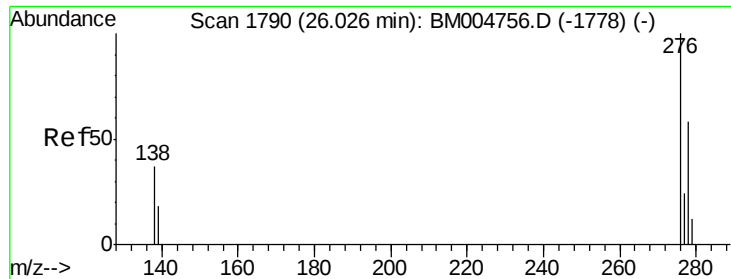


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

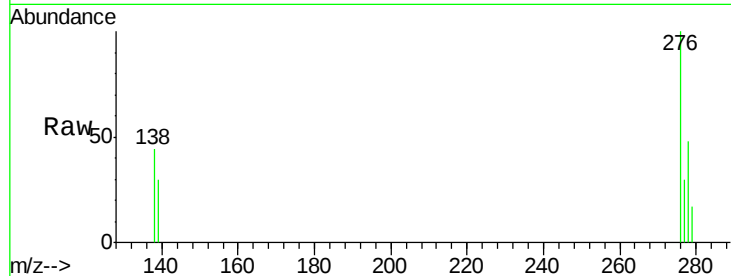
Tgt Ion:276 Resp: 6387

Ion Ratio Lower Upper

276 100

138 36.9 16.3 24.5#

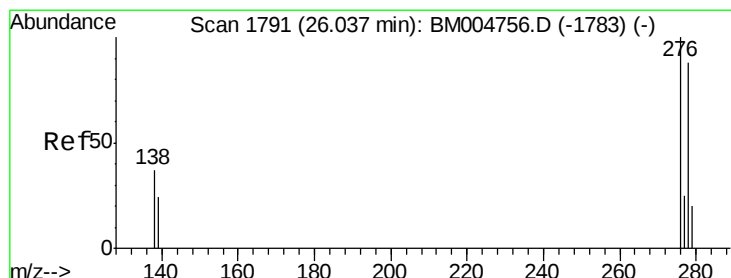
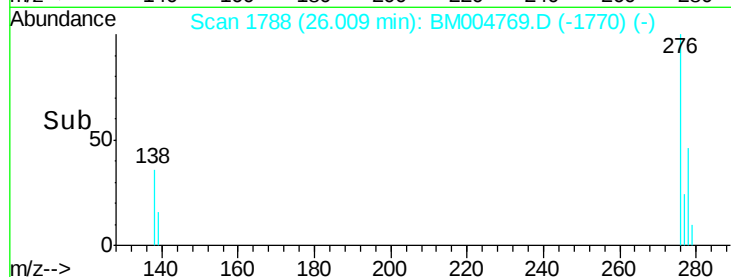
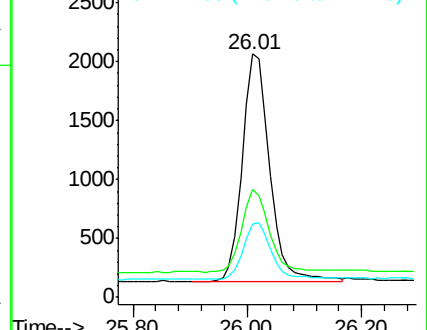
277 25.3 19.8 29.8



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: 0.41 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BM004769.D

Acq: 25 Mar 2016 02:50

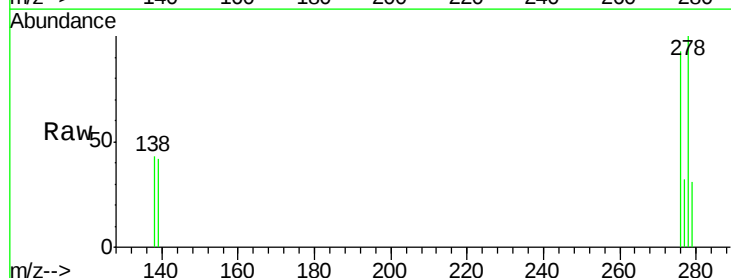
Tgt Ion:278 Resp: 5073

Ion Ratio Lower Upper

278 100

139 42.1 16.4 24.6#

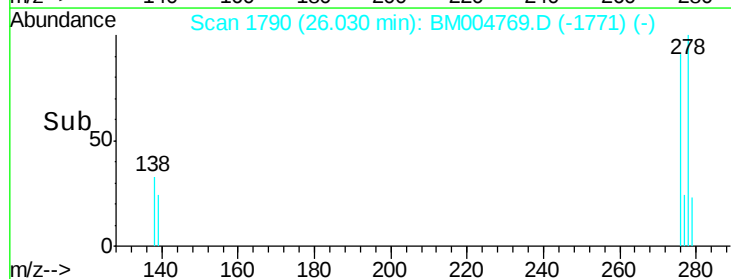
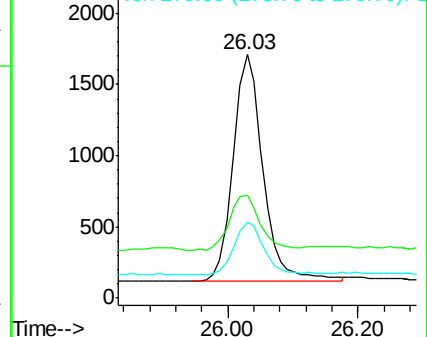
279 31.0 20.2 30.2#

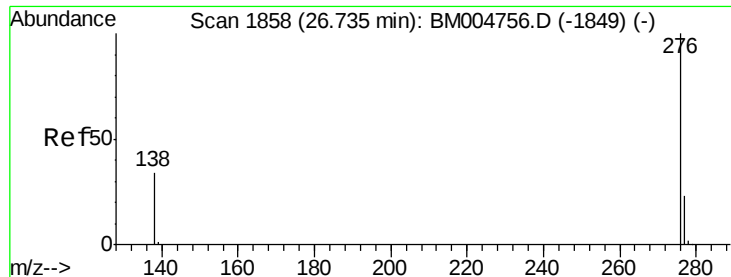


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.36 ng/ul

RT: 26.73 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM004769.D

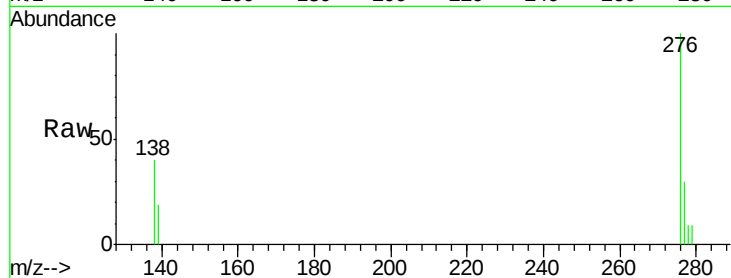
Acq: 25 Mar 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.435



Tgt Ion: 276 Resp: 5419

Ion Ratio Lower Upper

276 100

277 30.3 18.9 28.3#

138 39.9 22.5 33.7#

