

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021815\
 Data File : BM000547.D
 Acq On : 18 Feb 2015 20:07
 Operator : TP/IZ
 Sample : SSTD3.219
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.219

Quant Time: Feb 19 00:54:32 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 19 00:44:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3174	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	11241	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.32	164	6893	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	15954	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	11632	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	7485	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	48729	3.33	ng/ul	-0.01
14) Fluoranthene-d10	19.10	212	109857	3.14	ng/ul	-0.01

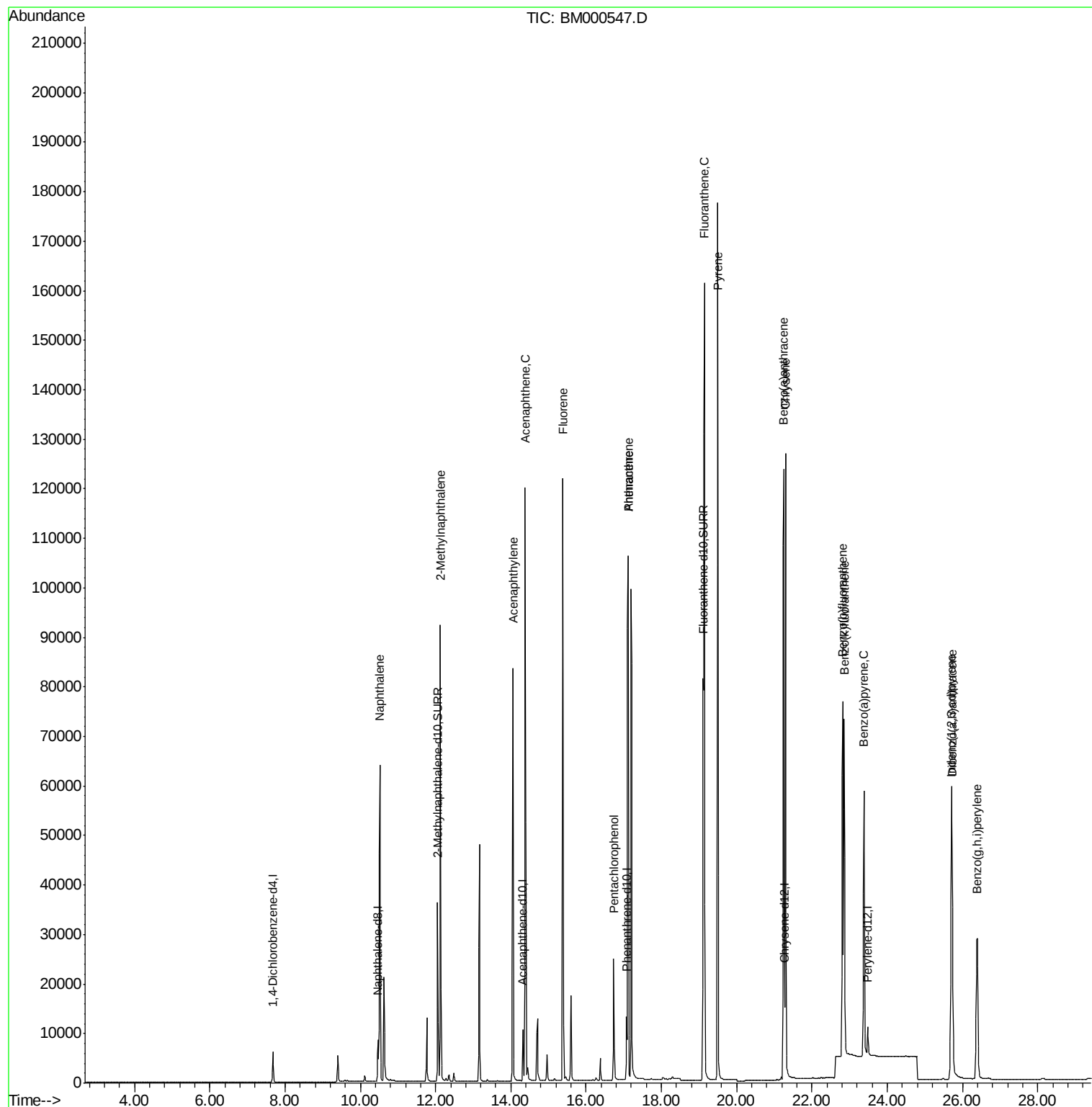
Target Compounds						Qvalue
3) Naphthalene	10.51	128	88143	3.03	ng/ul	98
5) 2-Methylnaphthalene	12.13	142	64394	3.31	ng/ul	100
7) Acenaphthylene	14.05	152	106302	3.98	ng/ul	98
8) Acenaphthene	14.38	153	73160	3.49	ng/ul	97
9) Fluorene	15.39	166	92833	3.74	ng/ul	95
11) Pentachlorophenol	16.73	266	16179	7.53	ng/ul	95
12) Phenanthrene	17.12	178	146259	3.06	ng/ul	98
13) Anthracene	17.12	178	146259	3.41	ng/ul	98
15) Fluoranthene	19.14	202	168555	3.09	ng/ul	99
17) Pyrene	19.50	202	168371	3.51	ng/ul	99
18) Benzo(a)anthracene	21.25	228	119591	3.32	ng/ul	97
19) Chrysene	21.30	228	121865	2.93	ng/ul	98
21) Benzo(b)fluoranthene	22.81	252	97542	3.47	ng/ul	83
22) Benzo(k)fluoranthene	22.86	252	86635	3.01	ng/ul#	80
23) Benzo(a)pyrene	23.38	252	80892	3.13	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.70	276	76379	2.88	ng/ul	99
25) Dibenzo(a,h)anthracene	25.72	278	60984	2.97	ng/ul#	81
26) Benzo(g,h,i)perylene	26.39	276	64975	2.74	ng/ul	93

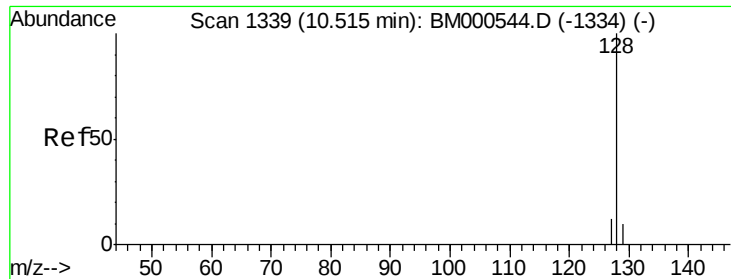
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.03 ng/ul

RT: 10.51 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.219

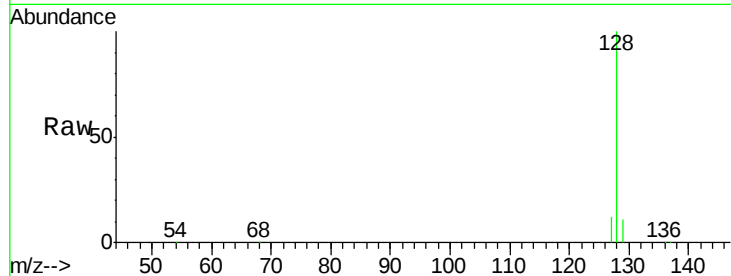
Tgt Ion:128 Resp: 88143

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

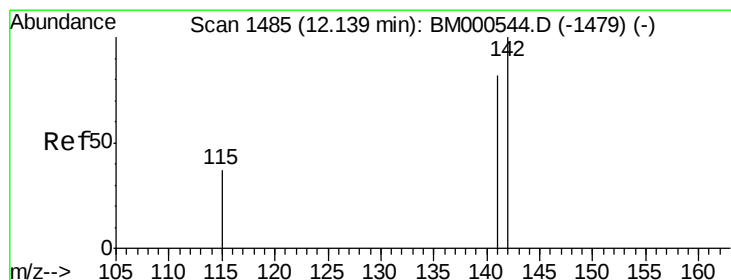
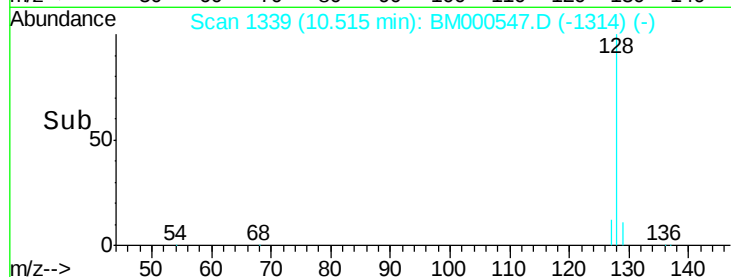
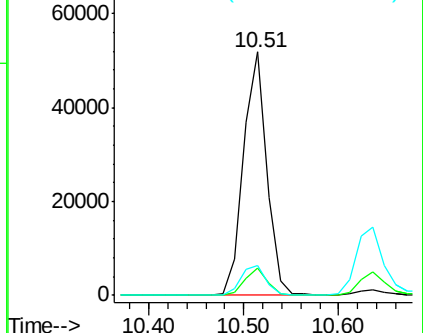
127 12.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 3.31 ng/ul

RT: 12.13 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM000547.D

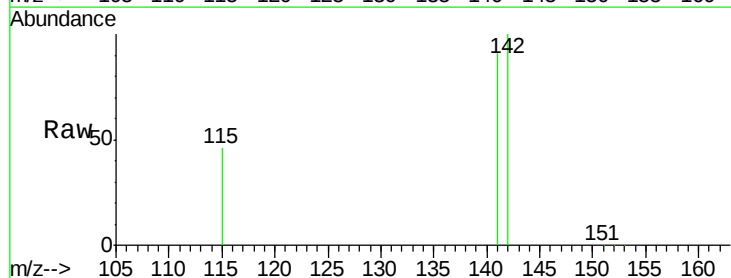
Acq: 18 Feb 2015 20:07

Tgt Ion:142 Resp: 64394

Ion Ratio Lower Upper

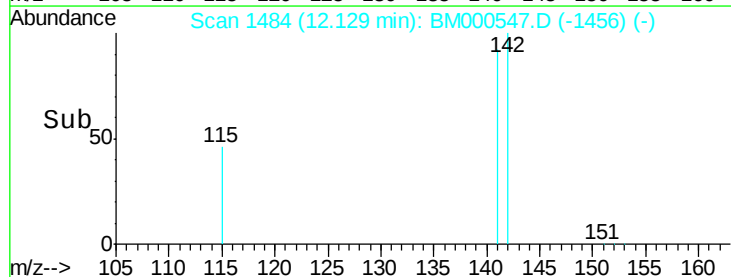
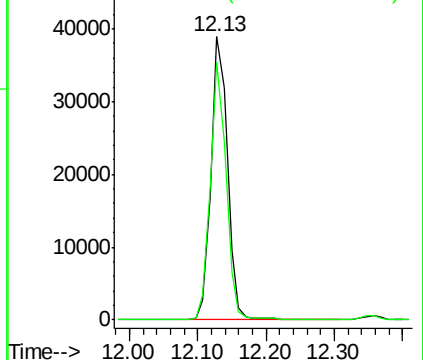
142 100

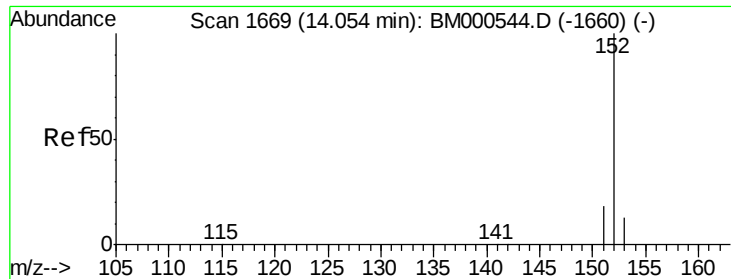
141 87.7 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.98 ng/ul

RT: 14.05 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.219

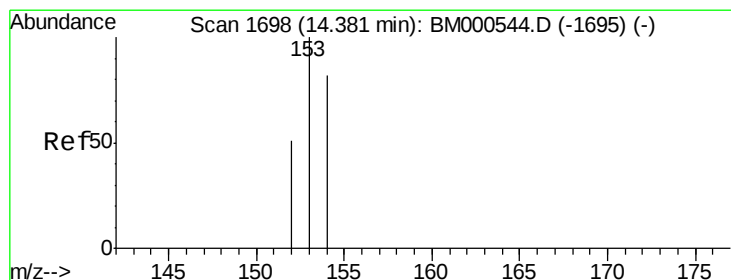
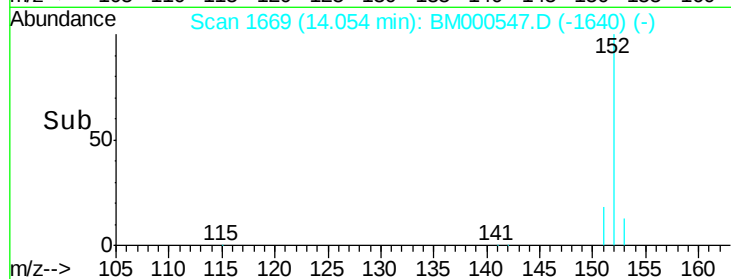
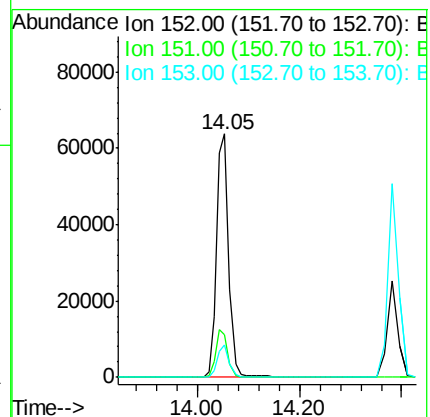
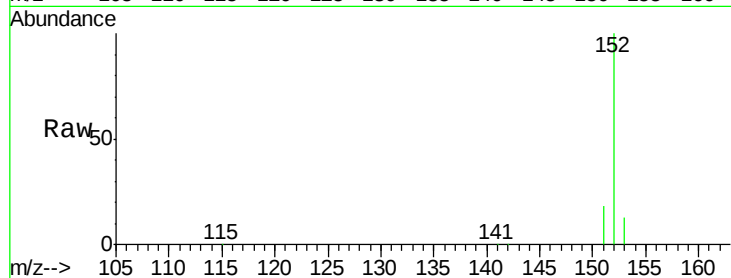
Tgt Ion:152 Resp: 106302

Ion Ratio Lower Upper

152 100

151 17.6 15.0 22.4

153 13.4 11.2 16.8



#8

Acenaphthene

Concen: 3.49 ng/ul

RT: 14.38 min Scan# 1698

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

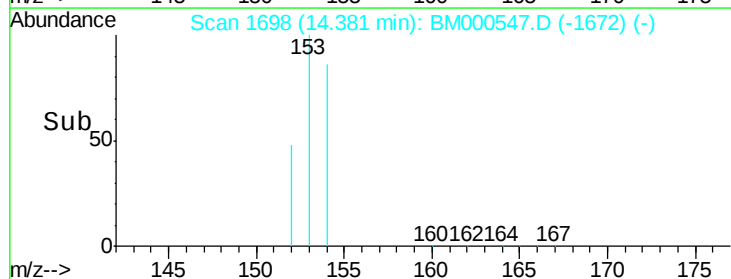
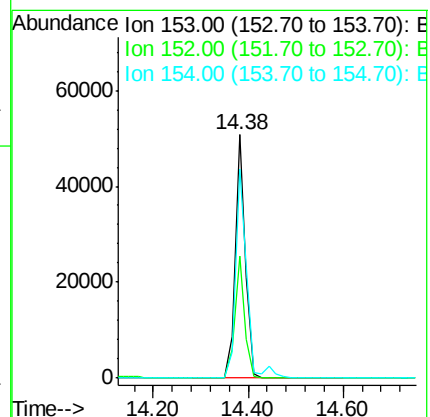
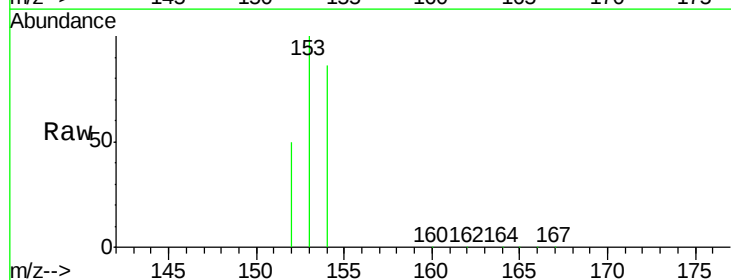
Tgt Ion:153 Resp: 73160

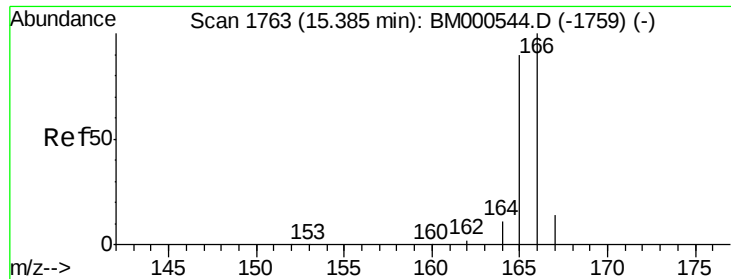
Ion Ratio Lower Upper

153 100

152 49.9 41.2 61.8

154 86.1 66.0 99.0

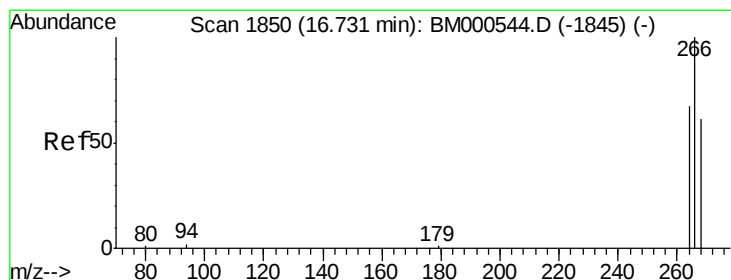
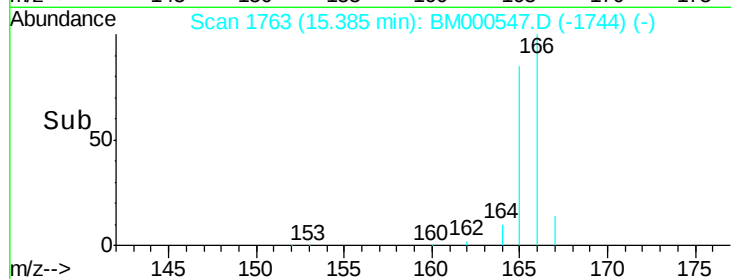
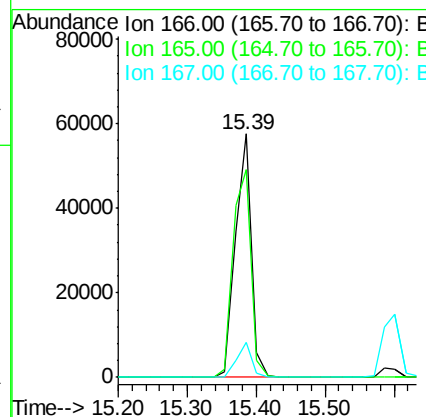
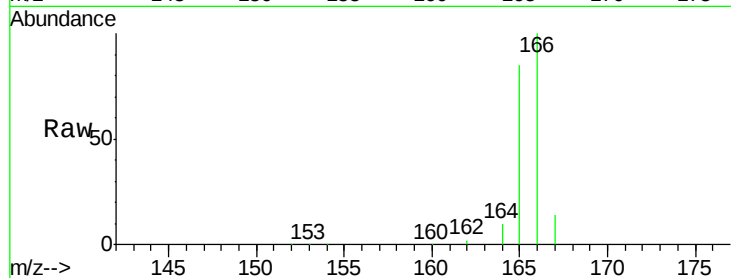




#9
Fluorene
 Concen: 3.74 ng/ul
 RT: 15.39 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BM000547.D
 Acq: 18 Feb 2015 20:07

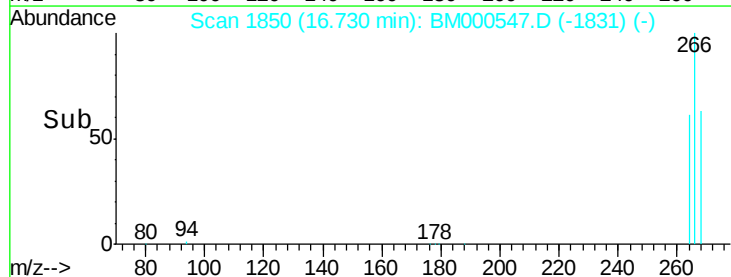
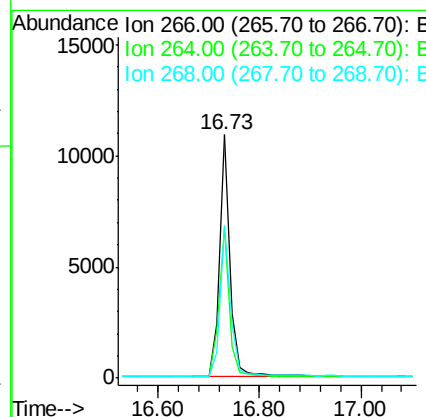
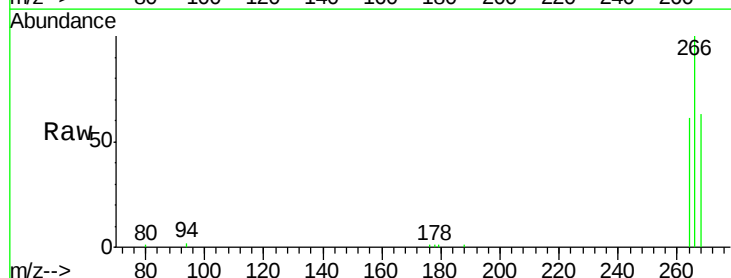
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.219

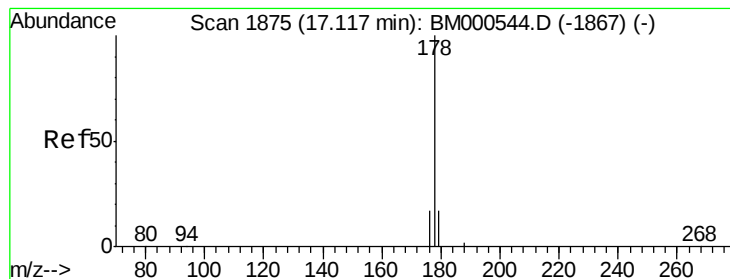
Tgt Ion:166 Resp: 92833
 Ion Ratio Lower Upper
 166 100
 165 85.4 72.3 108.5
 167 14.4 11.9 17.9



#11
Pentachlorophenol
 Concen: 7.53 ng/ul
 RT: 16.73 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BM000547.D
 Acq: 18 Feb 2015 20:07

Tgt Ion:266 Resp: 16179
 Ion Ratio Lower Upper
 266 100
 264 62.5 51.8 77.6
 268 63.9 55.4 83.0





#12

Phenanthrene

Concen: 3.06 ng/ul

RT: 17.12 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.219

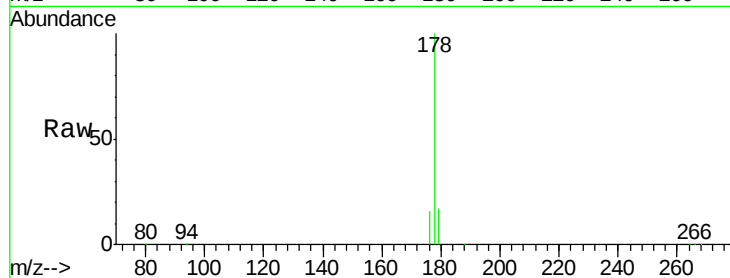
Tgt Ion:178 Resp: 146259

Ion Ratio Lower Upper

178 100

176 16.4 14.1 21.1

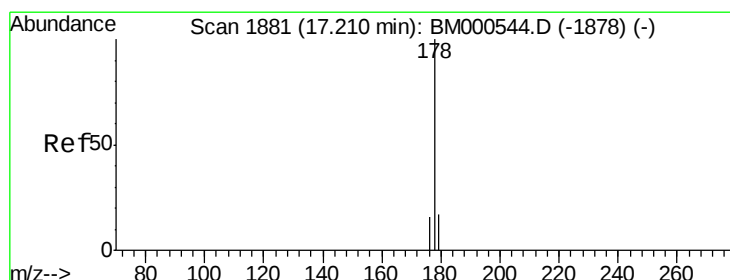
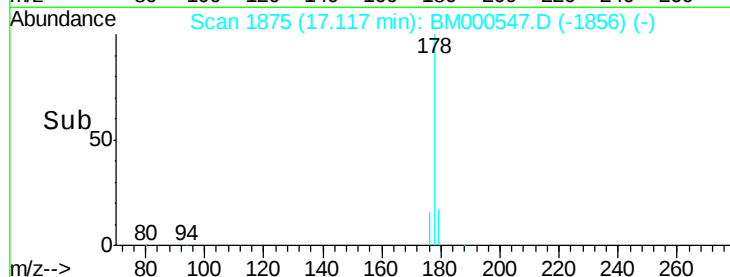
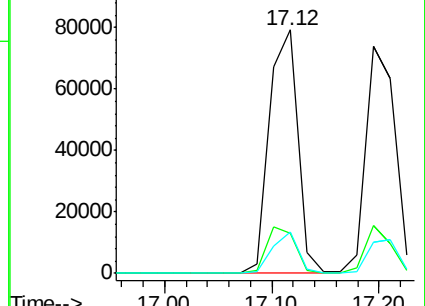
179 17.1 14.4 21.6



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



#13

Anthracene

Concen: 3.41 ng/ul

RT: 17.12 min Scan# 1875

Delta R.T. -0.09 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

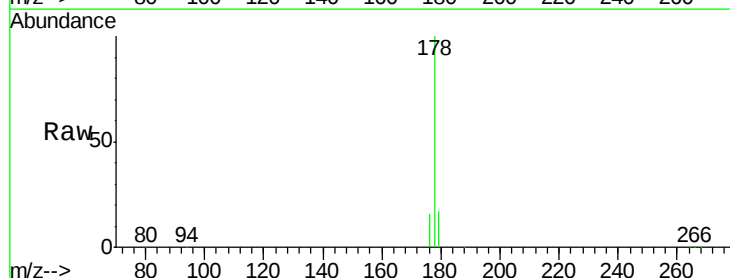
Tgt Ion:178 Resp: 146259

Ion Ratio Lower Upper

178 100

176 16.4 13.6 20.4

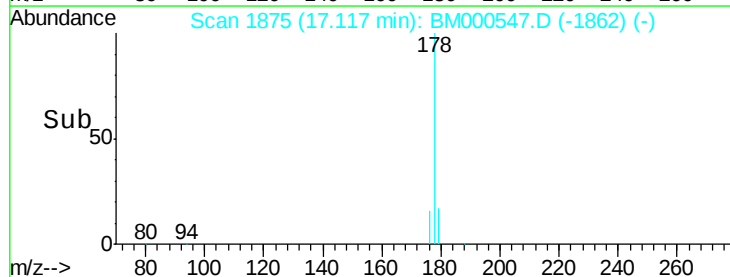
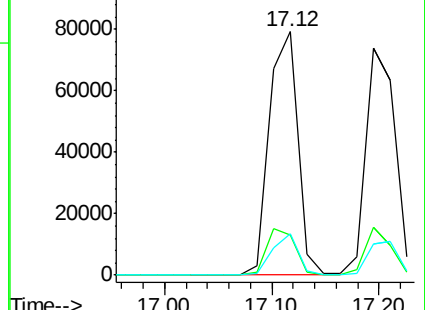
179 17.1 14.9 22.3

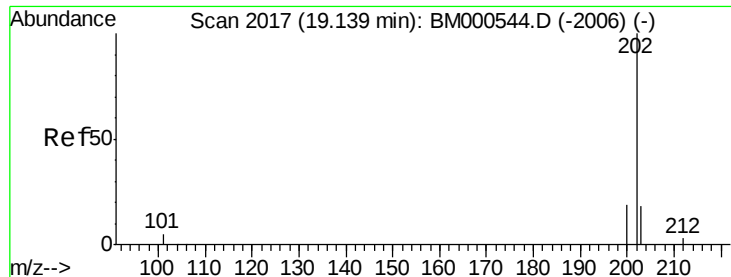


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 3.09 ng/ul

RT: 19.14 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.219

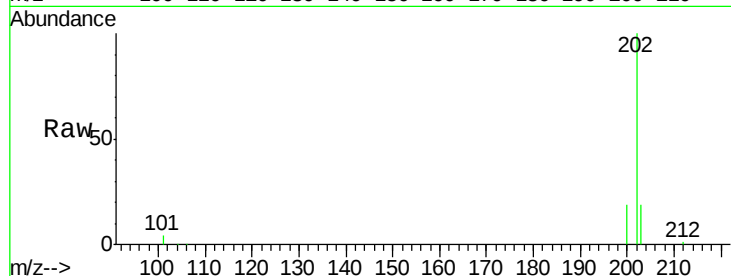
Tgt Ion:202 Resp: 168555

Ion Ratio Lower Upper

202 100

101 4.4 0.0 25.4

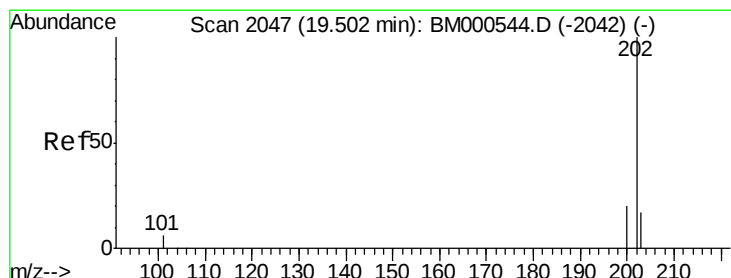
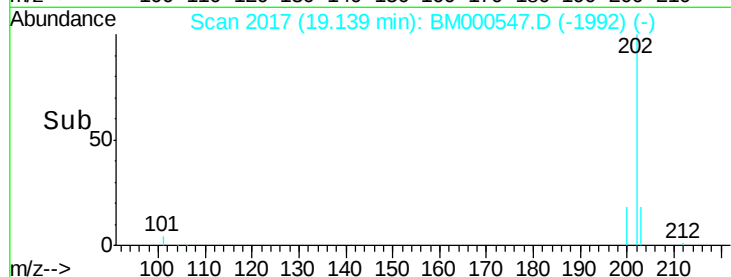
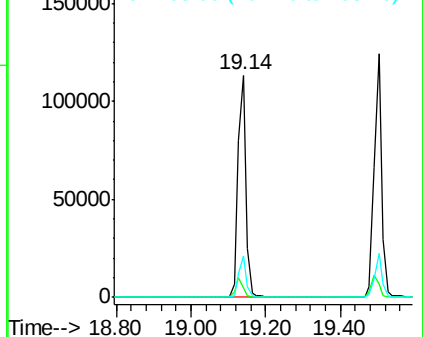
203 18.5 0.0 38.6



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



#17

Pyrene

Concen: 3.51 ng/ul

RT: 19.50 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

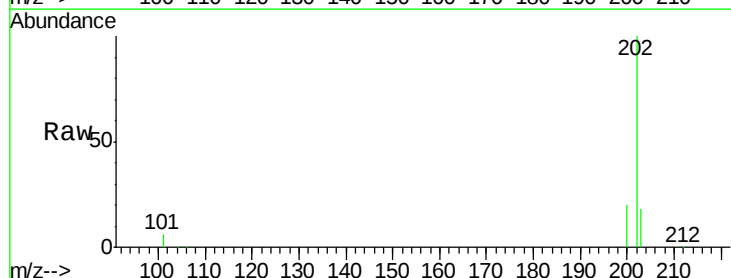
Tgt Ion:202 Resp: 168371

Ion Ratio Lower Upper

202 100

200 19.5 16.0 24.0

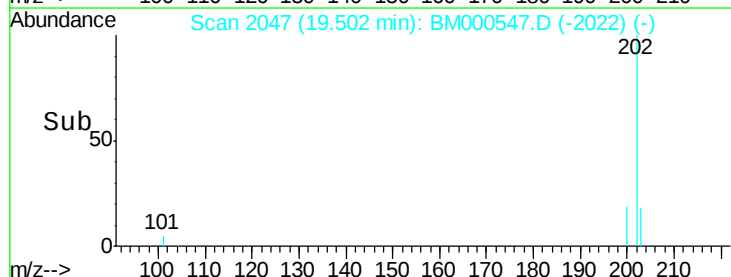
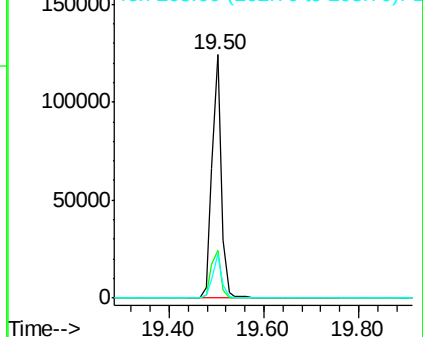
203 17.8 14.4 21.6

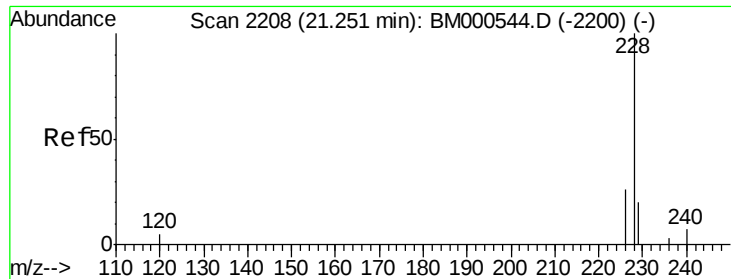


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 3.32 ng/ul

RT: 21.25 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.219

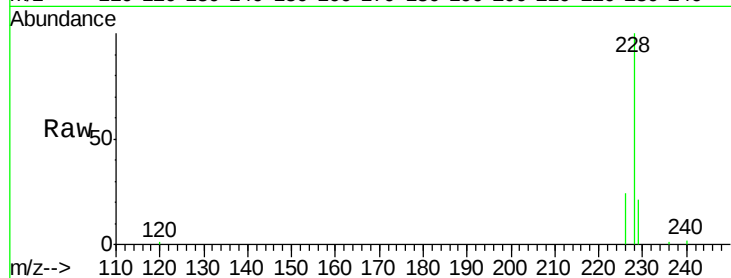
Tgt Ion:228 Resp: 119591

Ion Ratio Lower Upper

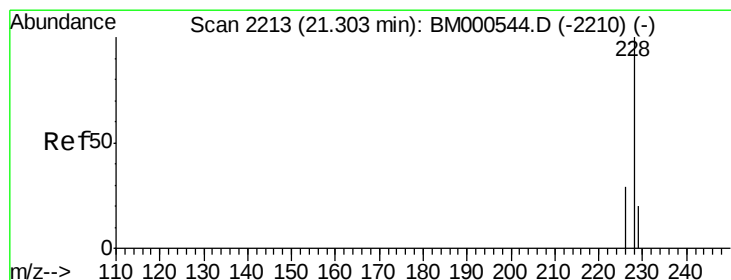
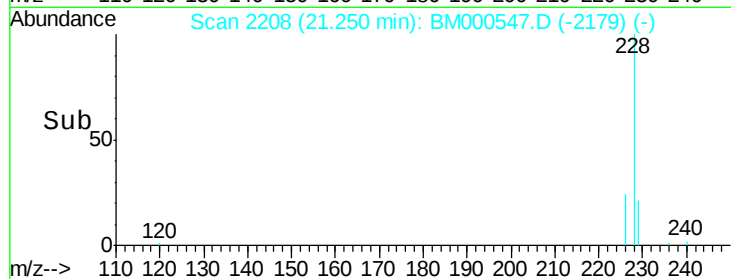
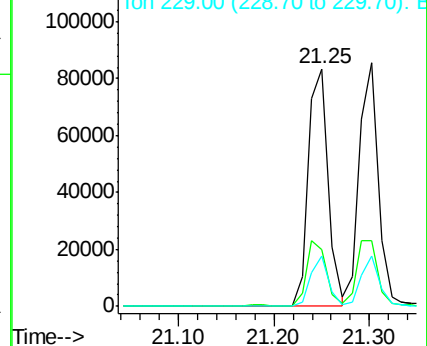
228 100

226 23.9 21.2 31.8

229 21.1 16.4 24.6



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



#19

Chrysene

Concen: 2.93 ng/ul

RT: 21.30 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

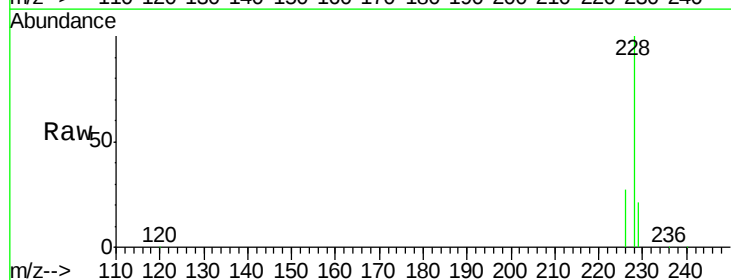
Tgt Ion:228 Resp: 121865

Ion Ratio Lower Upper

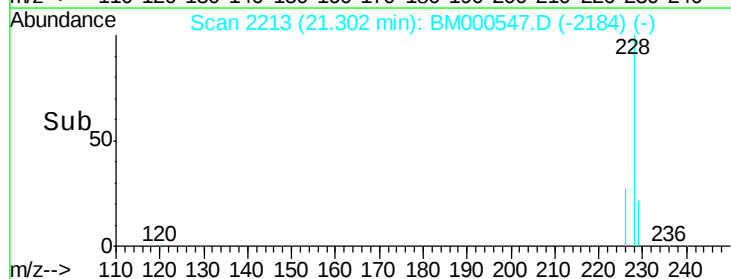
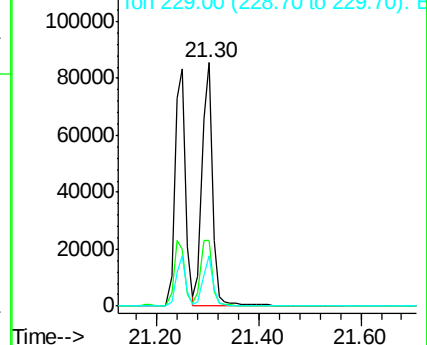
228 100

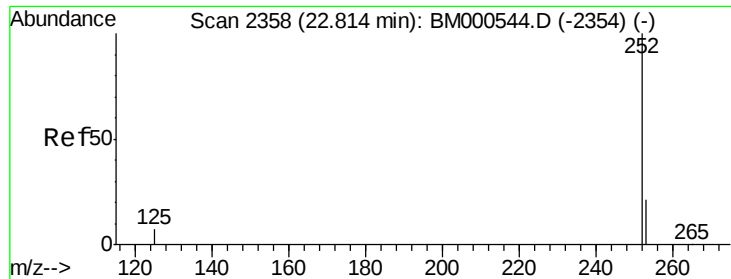
226 27.1 23.1 34.7

229 20.6 16.3 24.5



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

Benzo(b)fluoranthene

Concen: 3.47 ng/u1

RT: 22.81 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

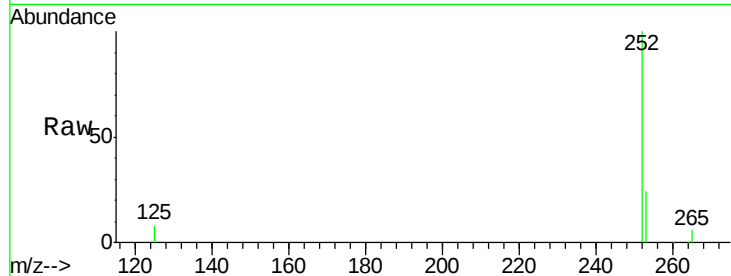
BNA_M

ClientSampleId :

SSTD3.219

Tgt Ion:252 Resp: 97542

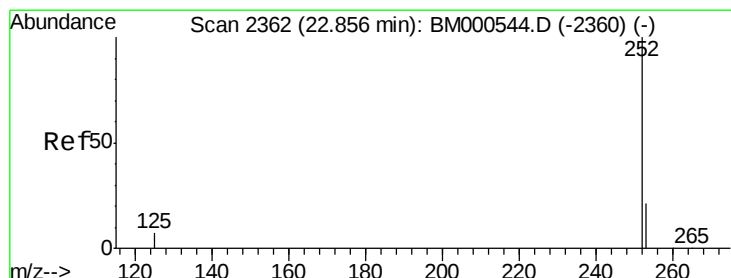
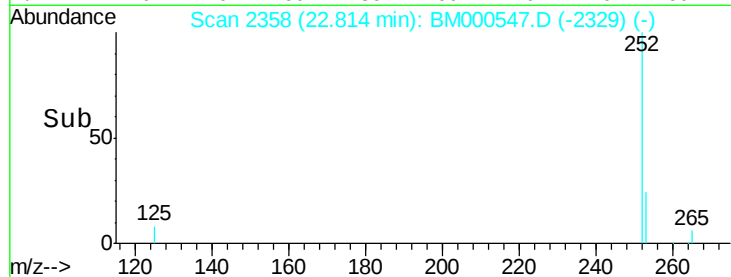
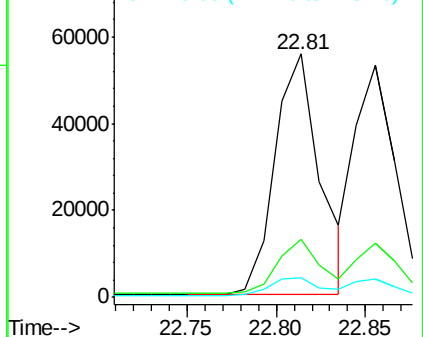
Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	69.8
125	7.8	0.0	25.6



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



#22

Benzo(k)fluoranthene

Concen: 3.01 ng/u1

RT: 22.86 min Scan# 2362

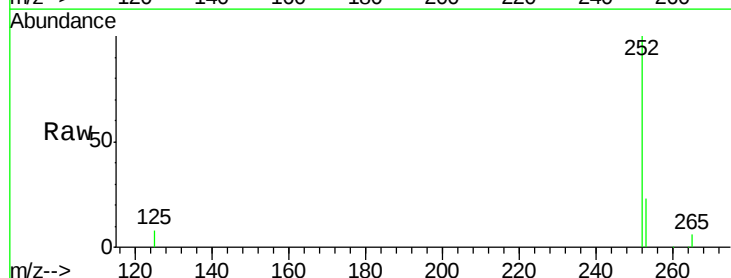
Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Tgt Ion:252 Resp: 86635

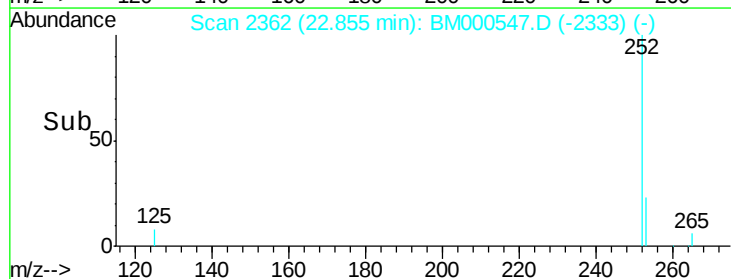
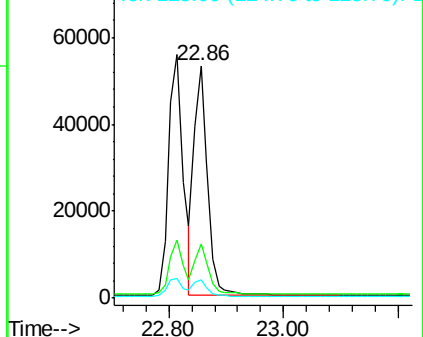
Ion	Ratio	Lower	Upper
252	100		
253	23.2	29.2	43.8#
125	8.0	10.8	16.2#

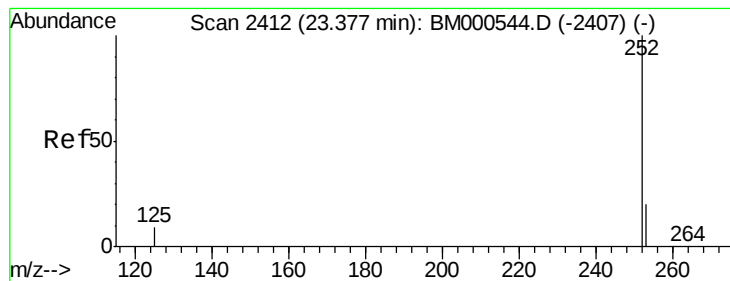


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.13 ng/ul

RT: 23.38 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.219

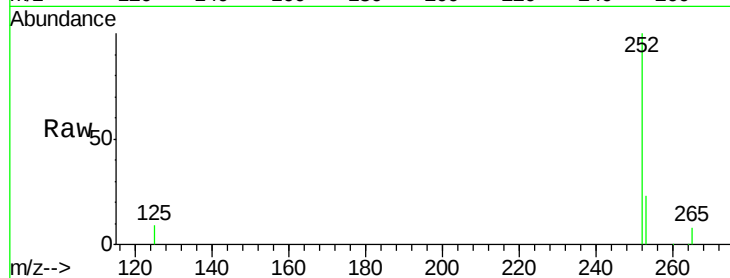
Tgt Ion:252 Resp: 80892

Ion Ratio Lower Upper

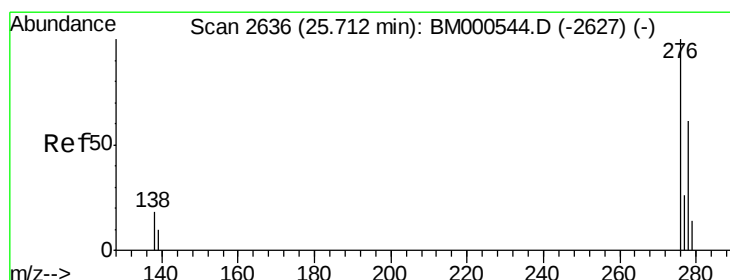
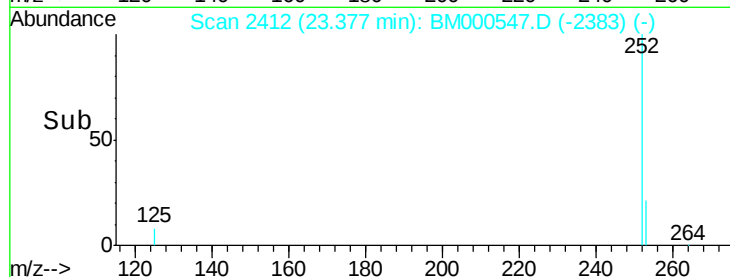
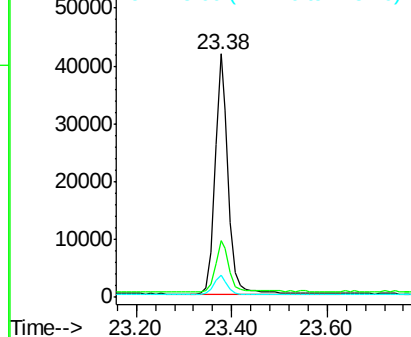
252 100

253 23.1 32.7 49.1#

125 9.2 13.3 19.9#



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

Indeno(1,2,3-cd)pyrene

Concen: 2.88 ng/ul

RT: 25.70 min Scan# 2635

Delta R.T. -0.01 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

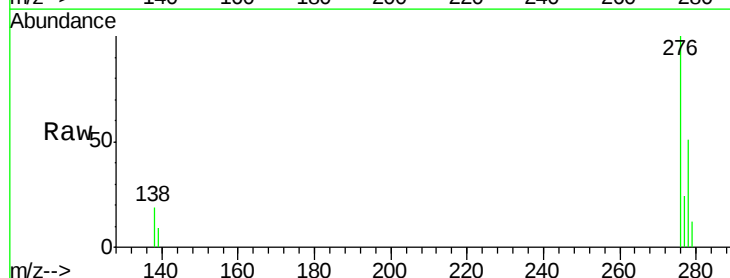
Tgt Ion:276 Resp: 76379

Ion Ratio Lower Upper

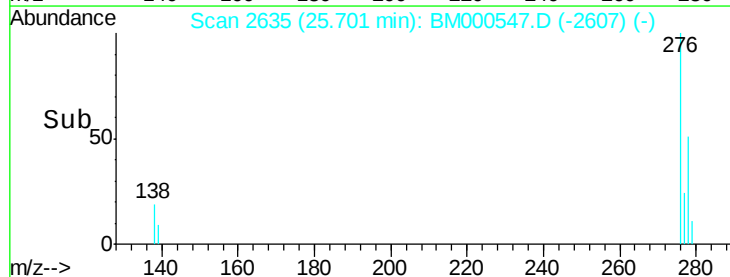
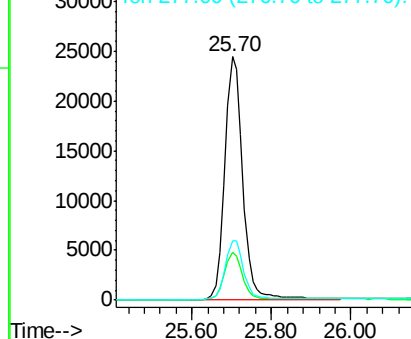
276 100

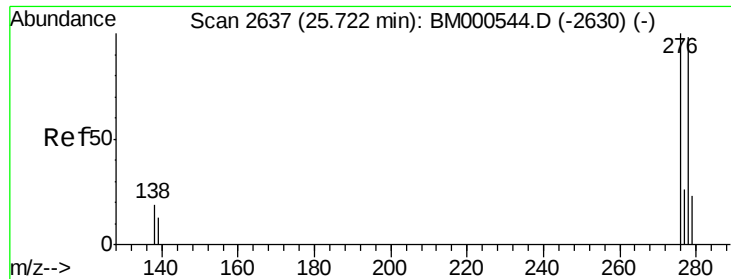
138 19.6 14.9 22.3

277 24.9 19.9 29.9



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





#25

Dibenzo(a,h)anthracene

Concen: 2.97 ng/ul

RT: 25.72 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.219

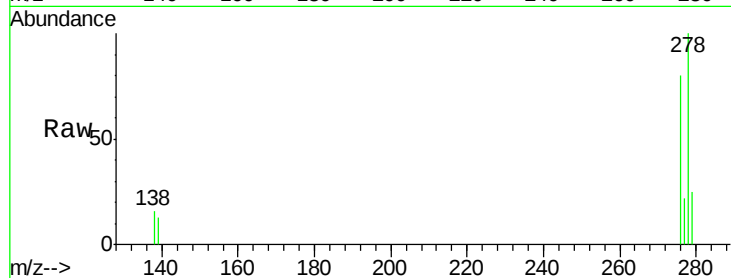
Tgt Ion:278 Resp: 60984

Ion Ratio Lower Upper

278 100

139 12.7 14.2 21.2#

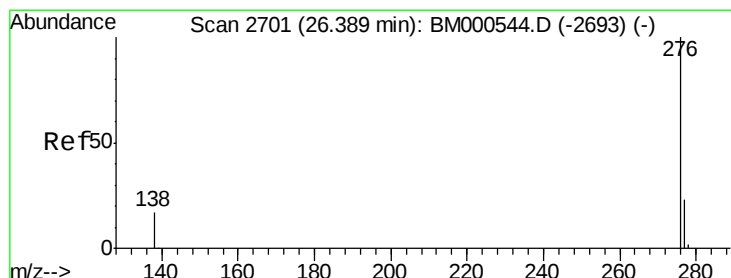
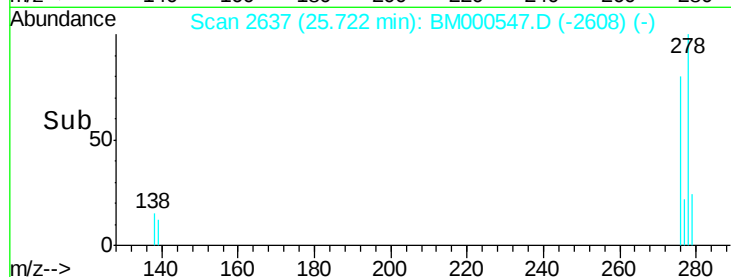
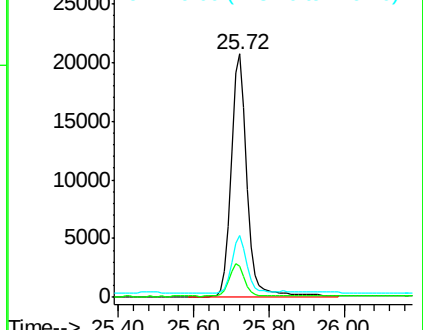
279 25.3 31.5 47.3#



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



#26

Benzo(g,h,i)perylene

Concen: 2.74 ng/ul

RT: 26.39 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BM000547.D

Acq: 18 Feb 2015 20:07

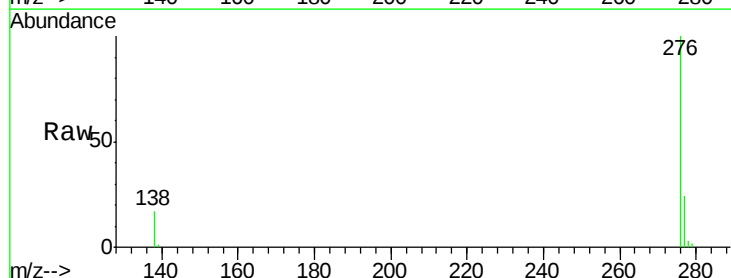
Tgt Ion:276 Resp: 64975

Ion Ratio Lower Upper

276 100

277 23.7 21.4 32.2

138 16.6 16.5 24.7



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

