

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061115\
 Data File : BM001637.D
 Acq On : 10 Jun 2015 22:09
 Operator : TP/IZ
 Sample : SSTD0.286
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.286

Quant Time: Jun 11 07:47:29 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 07:43:01 2015
 Response via : Initial Calibration

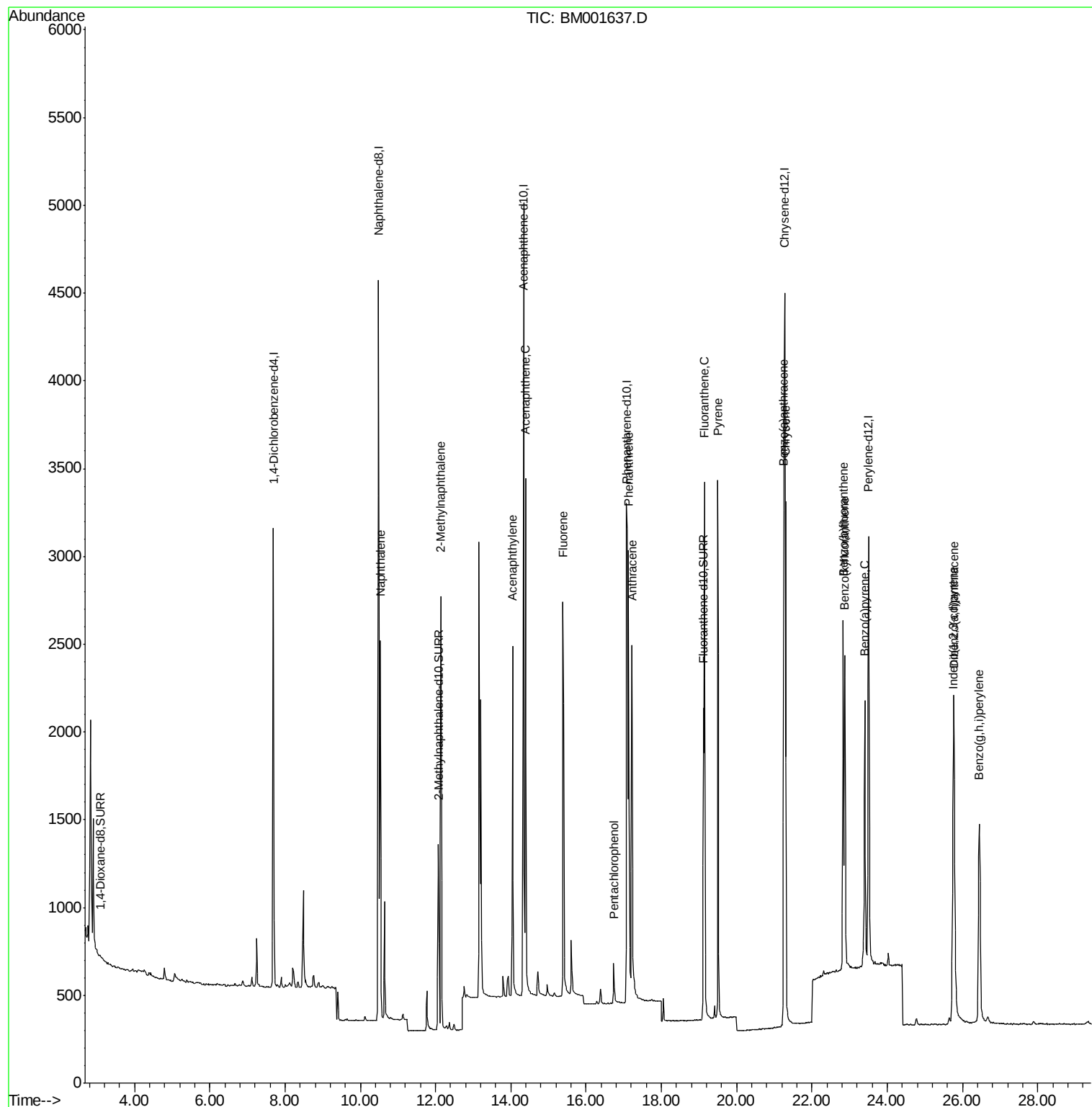
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1680	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	5917	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.34	164	2712	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.09	188	5262	0.40	ng/ul	0.00
18) Chrysene-d12	21.27	240	3783	0.40	ng/ul	0.00
22) Perylene-d12	23.50	264	3346	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.09	96	20	0.02	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.08	152	1416	0.20	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	2055	0.22	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.53	128	3055	0.20	ng/ul	97
7) 2-Methylnaphthalene	12.14	142	1925	0.20	ng/ul	100
9) Acenaphthylene	14.05	152	2524	0.20	ng/ul	97
10) Acenaphthene	14.39	153	1927	0.19	ng/ul	100
11) Fluorene	15.38	166	2087	0.19	ng/ul	99
13) Pentachlorophenol	16.74	266	194	0.30	ng/ul	95
14) Phenanthrene	17.12	178	2975	0.20	ng/ul	97
15) Anthracene	17.22	178	2844	0.21	ng/ul	98
17) Fluoranthene	19.14	202	3118	0.21	ng/ul	96
19) Pyrene	19.50	202	3115	0.20	ng/ul	97
20) Benzo(a)anthracene	21.25	228	2439	0.22	ng/ul	98
21) Chrysene	21.31	228	2616	0.21	ng/ul	98
23) Benzo(b)fluoranthene	22.83	252	2507	0.21	ng/ul	93
24) Benzo(k)fluoranthene	22.87	252	2607	0.21	ng/ul#	93
25) Benzo(a)pyrene	23.40	252	2337	0.21	ng/ul#	92
26) Indeno(1,2,3-cd)pyrene	25.76	276	2729	0.23	ng/ul	99
27) Dibenzo(a,h)anthracene	25.78	278	2206	0.23	ng/ul	94
28) Benzo(g,h,i)perylene	26.44	276	2601	0.25	ng/ul	95

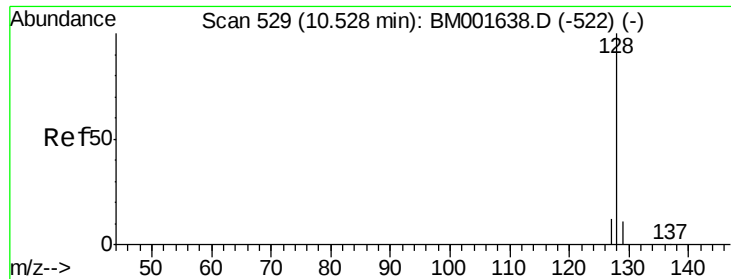
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 11 07:43:01 2015
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#5

Naphthalene

Concen: 0.20 ng/ul

RT: 10.53 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.286

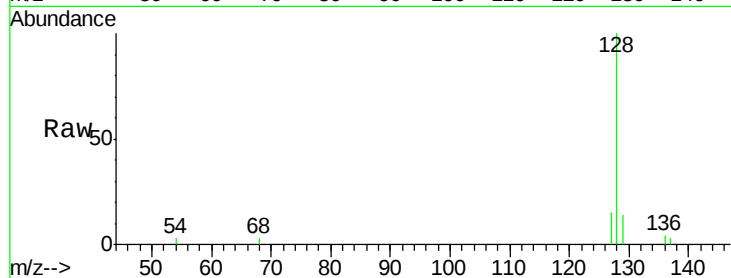
Tgt Ion:128 Resp: 3055

Ion Ratio Lower Upper

128 100

129 13.6 9.8 14.8

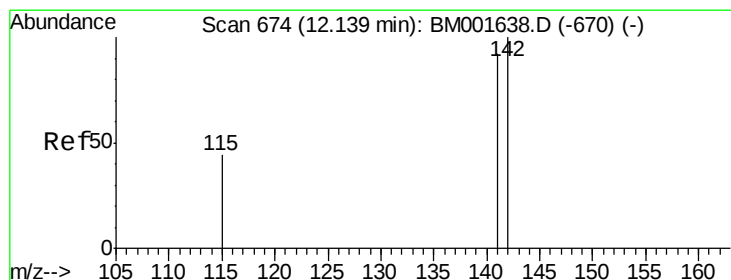
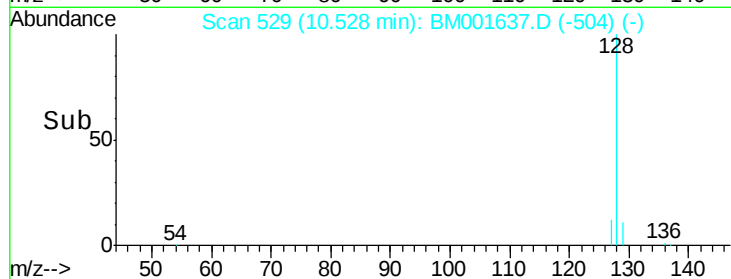
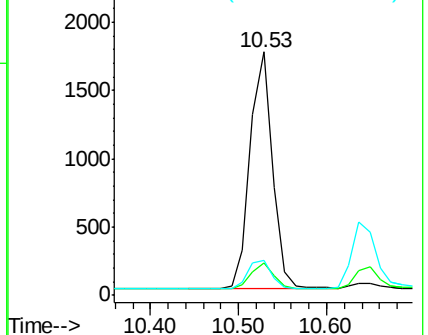
127 14.6 10.7 16.1



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



#7

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 12.14 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM001637.D

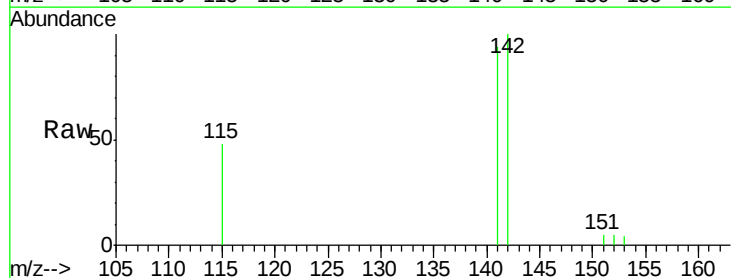
Acq: 10 Jun 2015 22:09

Tgt Ion:142 Resp: 1925

Ion Ratio Lower Upper

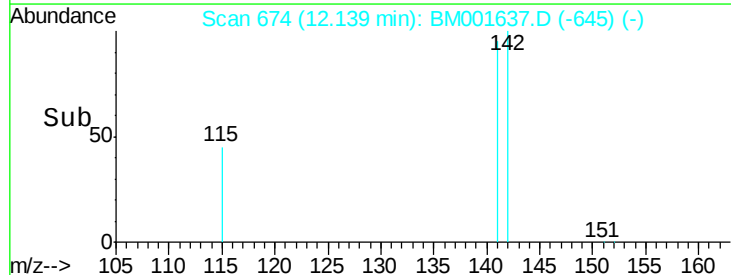
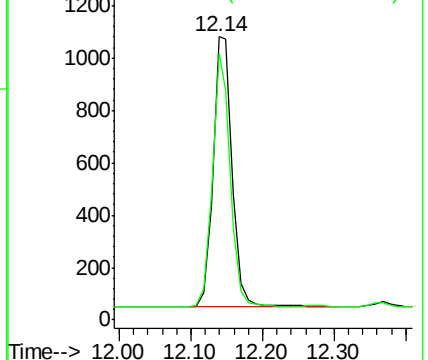
142 100

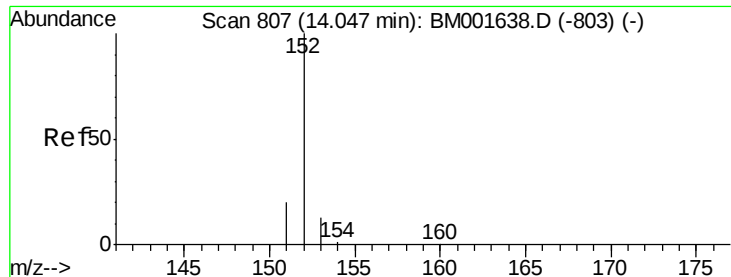
141 87.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.05 min Scan# 807

Delta R.T. 0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.286

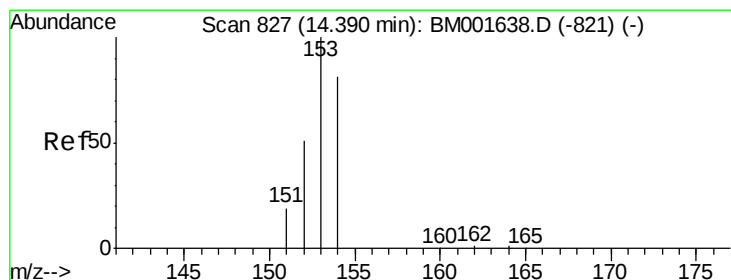
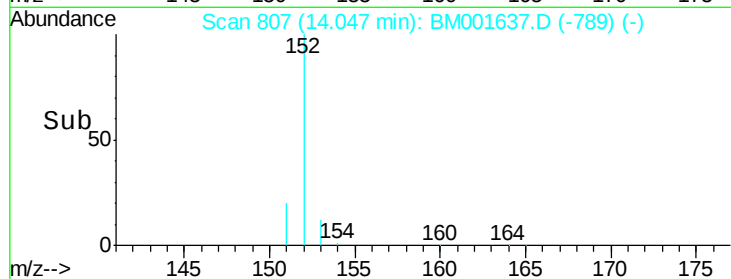
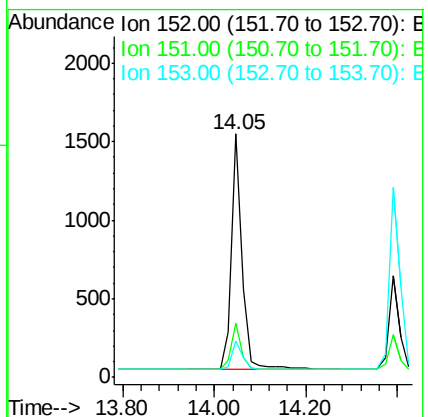
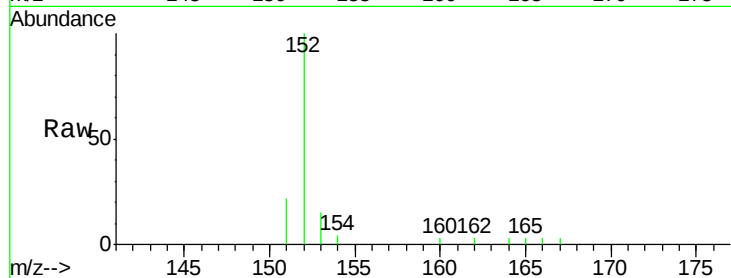
Tgt Ion:152 Resp: 2524

Ion Ratio Lower Upper

152 100

151 22.3 16.8 25.2

153 15.1 11.3 16.9



#10

Acenaphthene

Concen: 0.19 ng/ul

RT: 14.39 min Scan# 827

Delta R.T. 0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

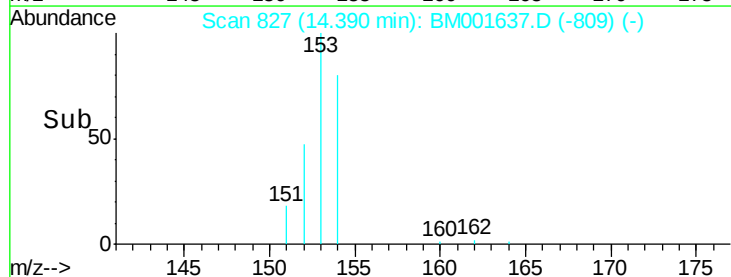
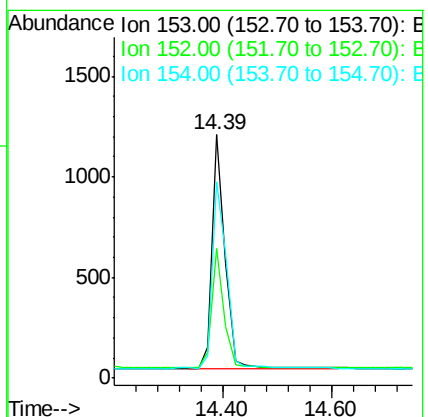
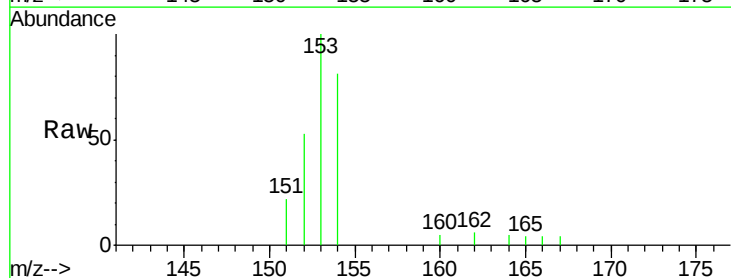
Tgt Ion:153 Resp: 1927

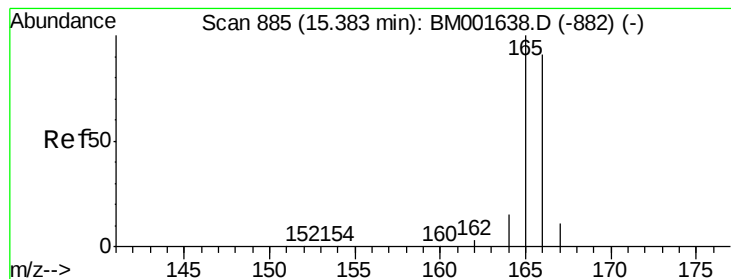
Ion Ratio Lower Upper

153 100

152 53.1 42.3 63.5

154 80.7 64.7 97.1





#11

Fluorene

Concen: 0.19 ng/ul

RT: 15.38 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.286

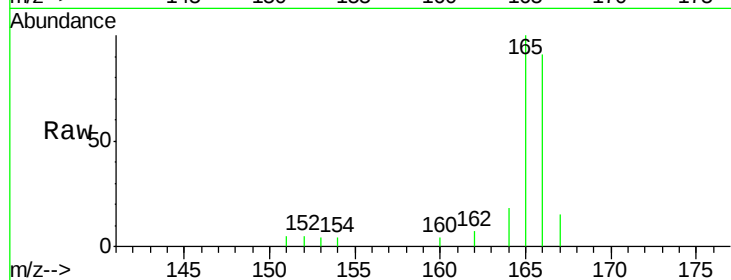
Tgt Ion:166 Resp: 2087

Ion Ratio Lower Upper

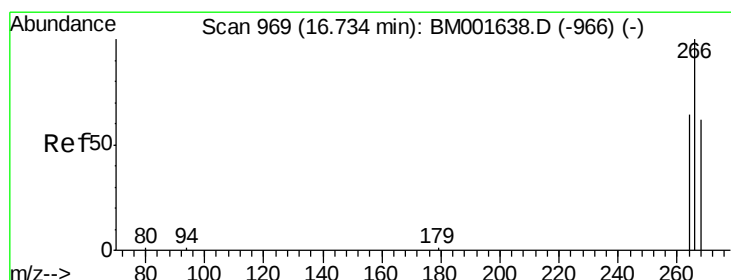
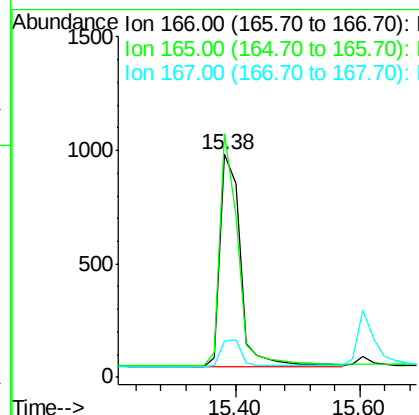
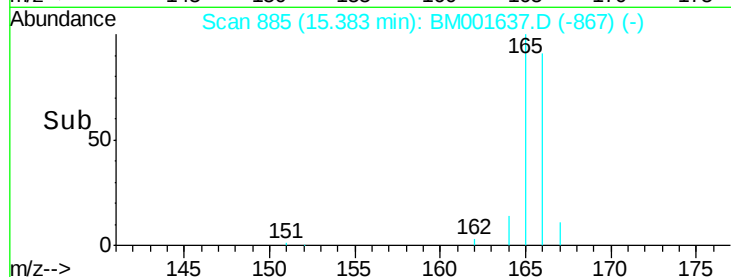
166 100

165 109.4 87.6 131.4

167 16.2 11.1 16.7



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: 0.30 ng/ul

RT: 16.74 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

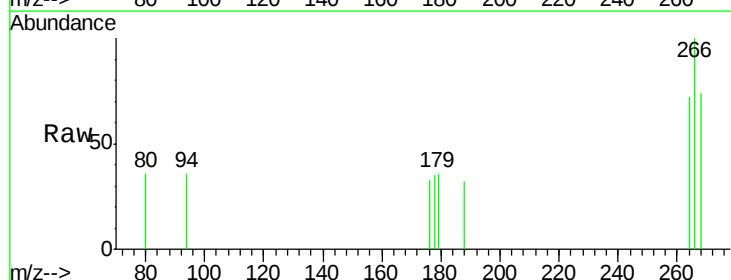
Tgt Ion:266 Resp: 194

Ion Ratio Lower Upper

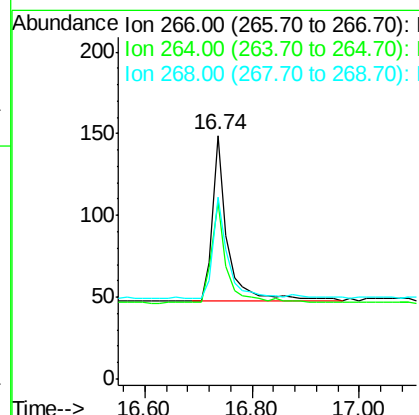
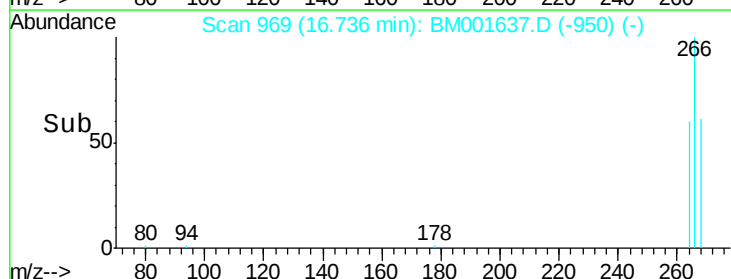
266 100

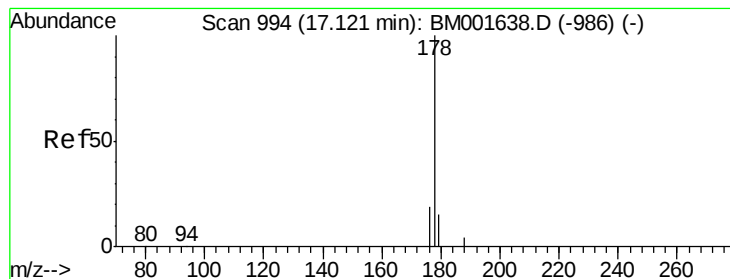
264 70.1 53.5 80.3

268 62.4 54.2 81.2



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.12 min Scan# 994

Delta R.T. 0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.286

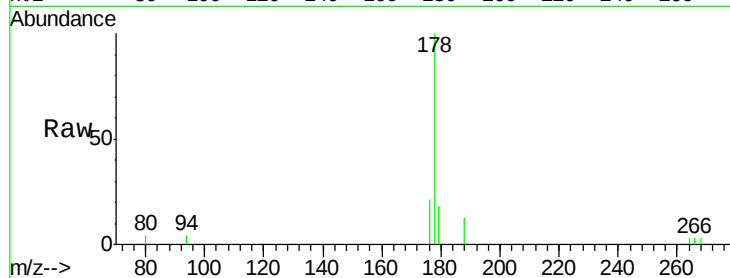
Tgt Ion:178 Resp: 2975

Ion Ratio Lower Upper

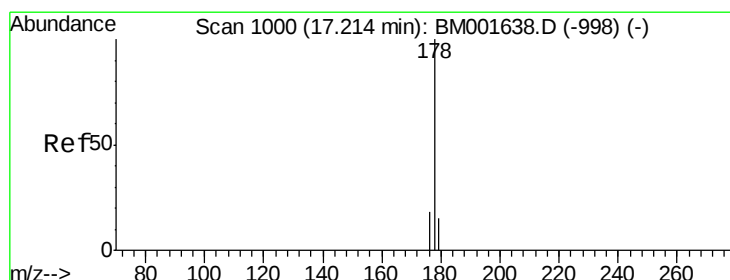
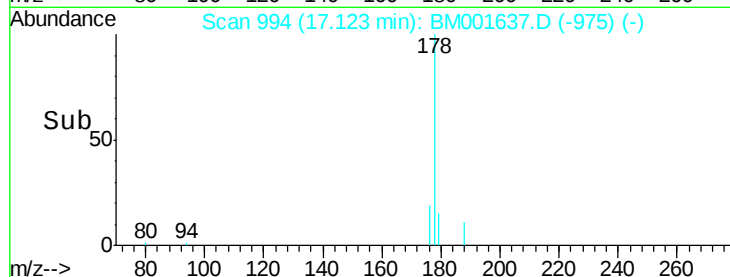
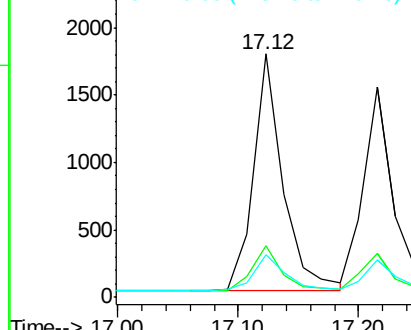
178 100

176 21.4 16.2 24.4

179 17.7 12.8 19.2



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

Anthracene

Concen: 0.21 ng/ul

RT: 17.22 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

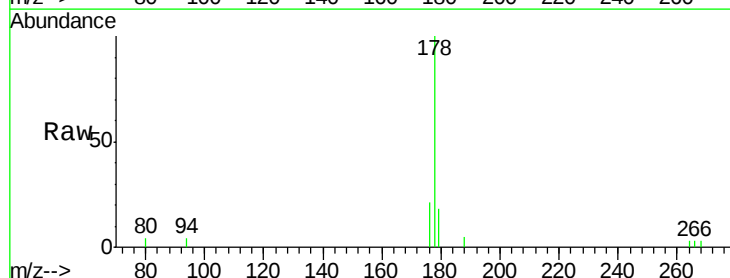
Tgt Ion:178 Resp: 2844

Ion Ratio Lower Upper

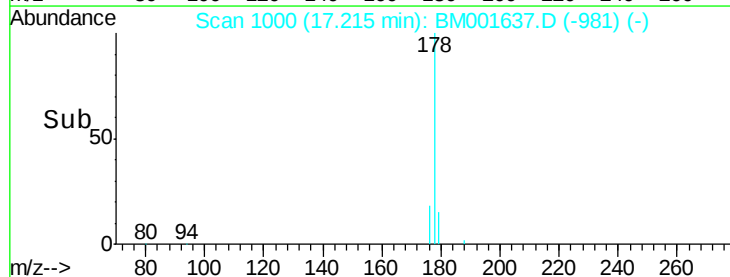
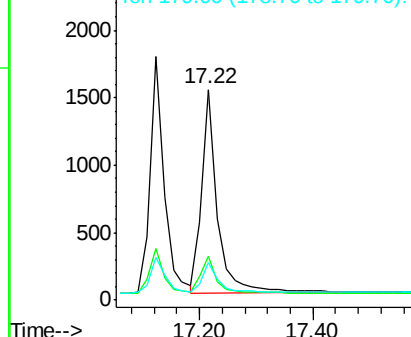
178 100

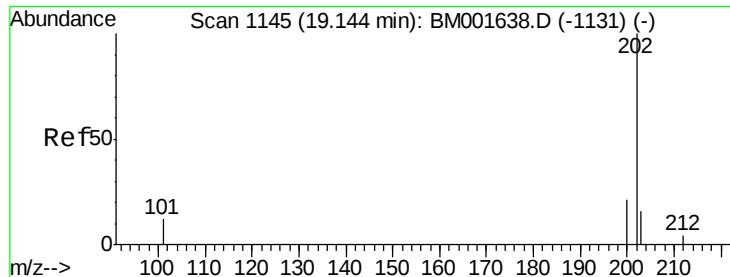
176 20.6 15.8 23.8

179 17.9 13.3 19.9



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

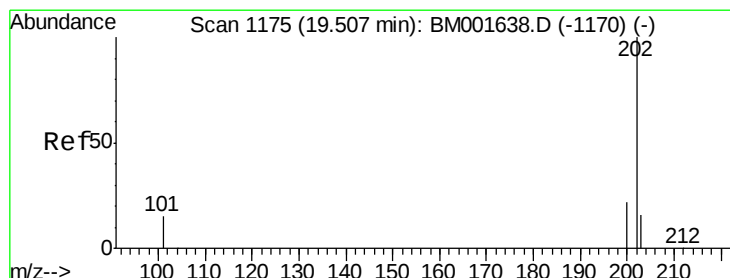
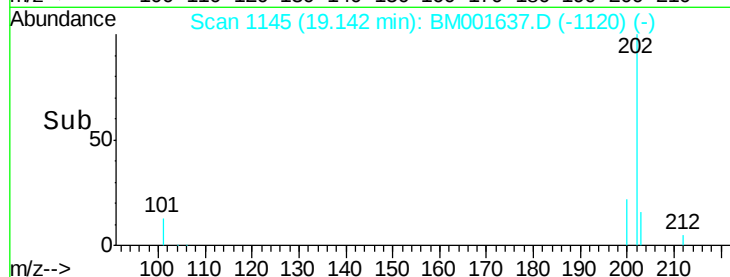
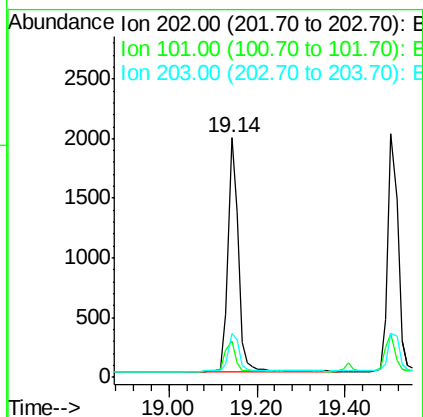
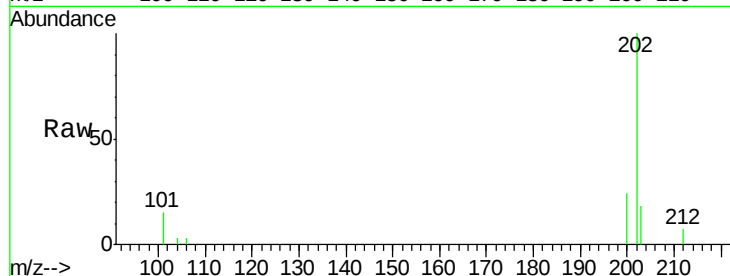




#17
Fluoranthene
 Concen: 0.21 ng/ul
 RT: 19.14 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BM001637.D
 Acq: 10 Jun 2015 22:09

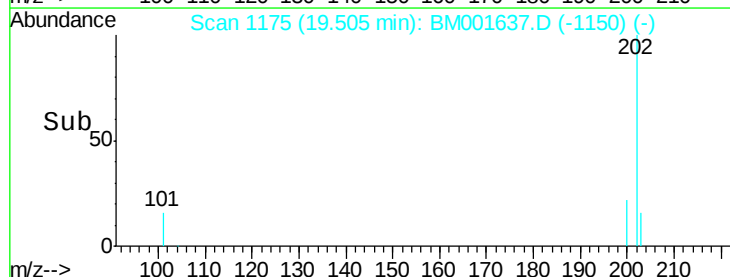
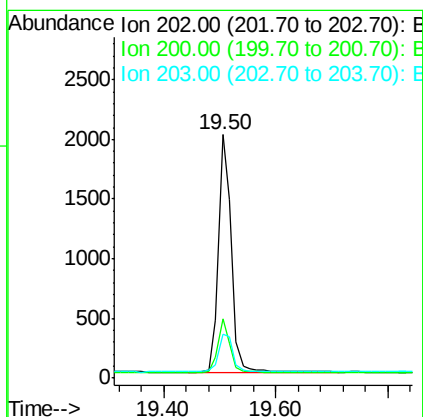
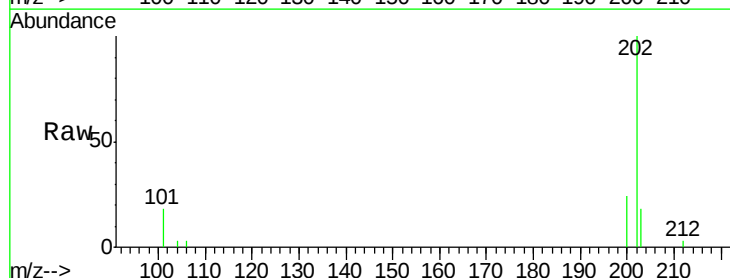
Instrument :
 BNA_M
 ClientSampleId :
 SST00.286

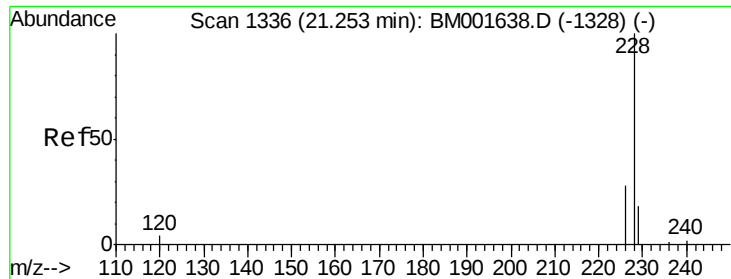
Tgt Ion:202 Resp: 3118
 Ion Ratio Lower Upper
 202 100
 101 15.3 0.0 33.1
 203 18.1 0.0 37.2



#19
Pyrene
 Concen: 0.20 ng/ul
 RT: 19.50 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BM001637.D
 Acq: 10 Jun 2015 22:09

Tgt Ion:202 Resp: 3115
 Ion Ratio Lower Upper
 202 100
 200 24.2 18.0 27.0
 203 17.8 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.22 ng/ul

RT: 21.25 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.286

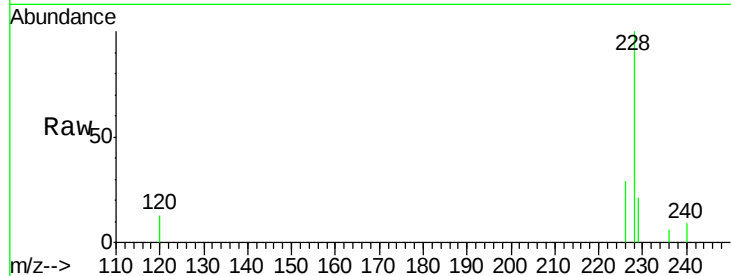
Tgt Ion:228 Resp: 2439

Ion Ratio Lower Upper

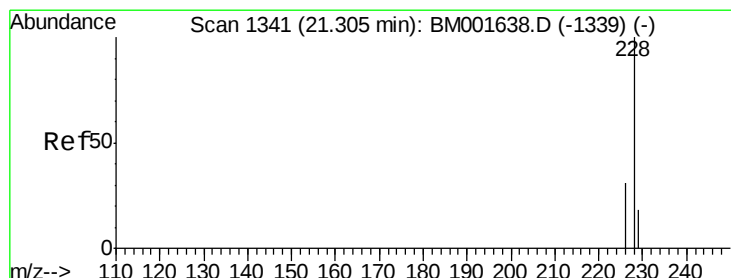
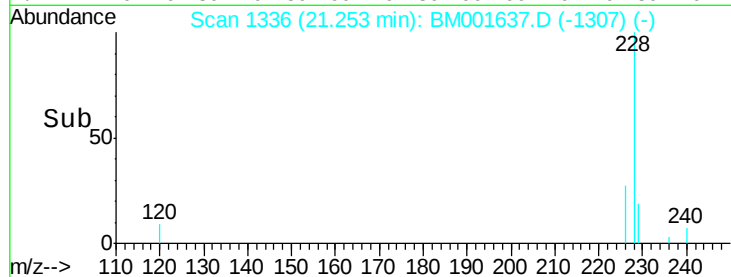
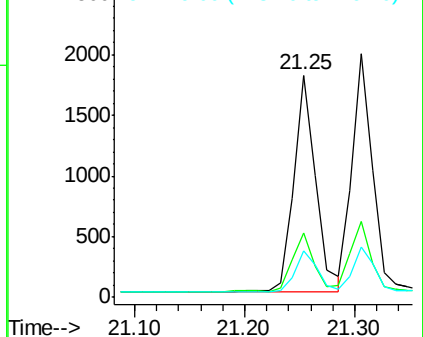
228 100

226 29.2 23.0 34.4

229 21.0 15.2 22.8



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



#21

Chrysene

Concen: 0.21 ng/ul

RT: 21.31 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

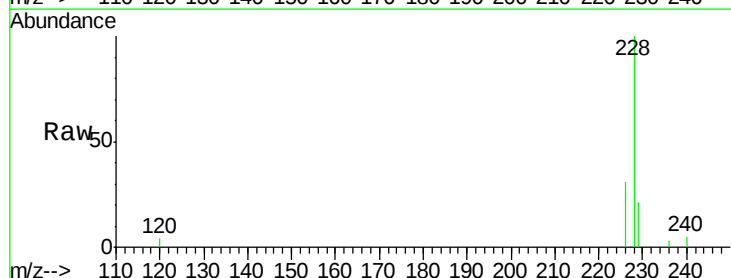
Tgt Ion:228 Resp: 2616

Ion Ratio Lower Upper

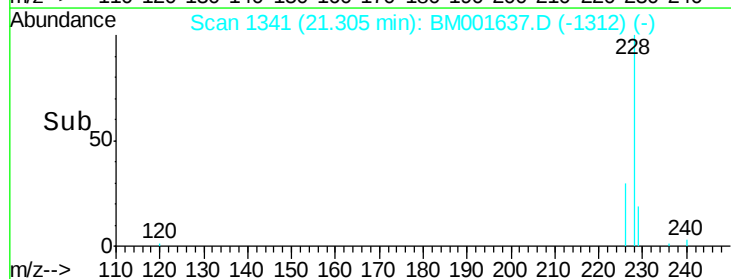
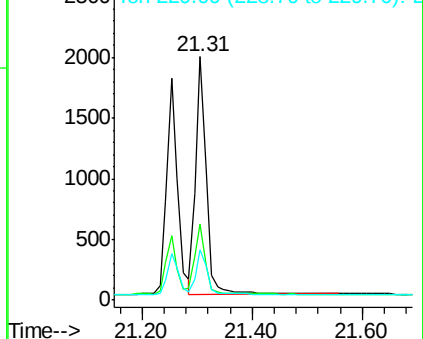
228 100

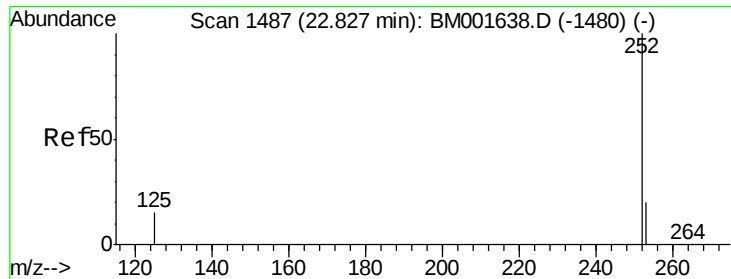
226 31.4 25.7 38.5

229 20.8 15.2 22.8



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





#23

Benzo(b)fluoranthene

Concen: 0.21 ng/u1

RT: 22.83 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

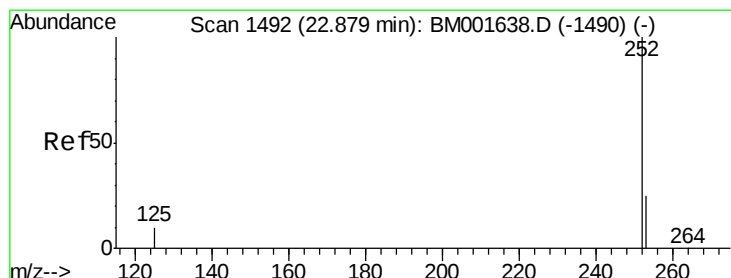
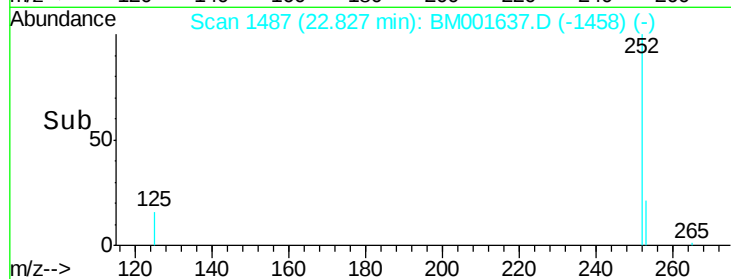
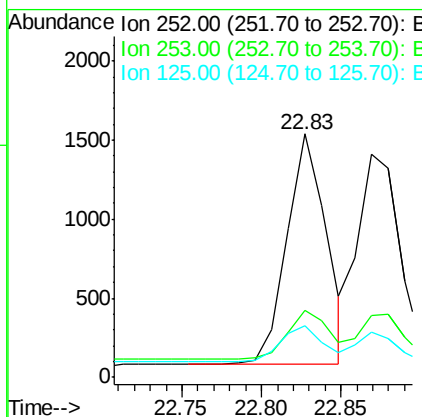
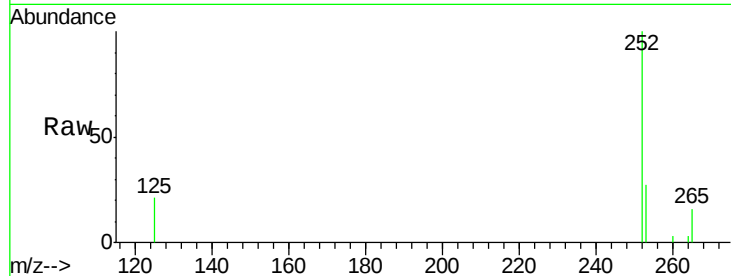
Instrument :

BNA_M

ClientSampleId :

SSTD0.286

Tgt Ion:	252	Resp:	2507
Ion	Ratio	Lower	Upper
252	100		
253	27.5	0.0	48.0
125	21.1	0.0	36.6



#24

Benzo(k)fluoranthene

Concen: 0.21 ng/u1

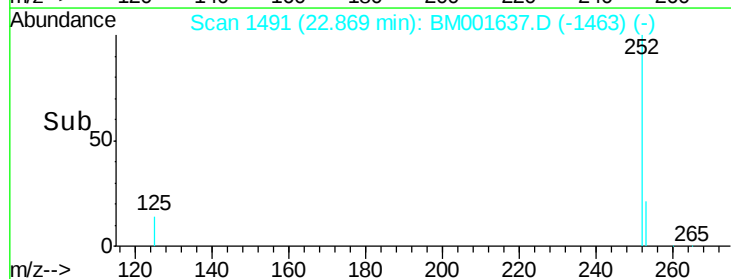
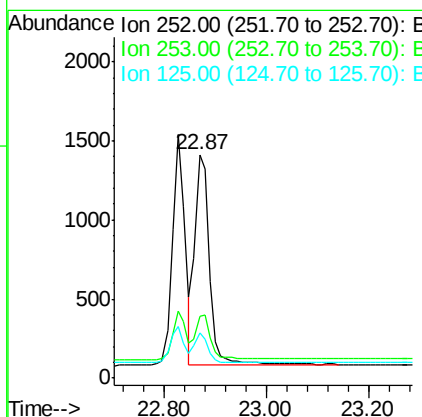
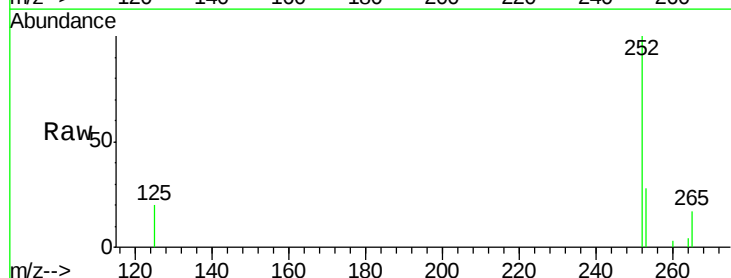
RT: 22.87 min Scan# 1491

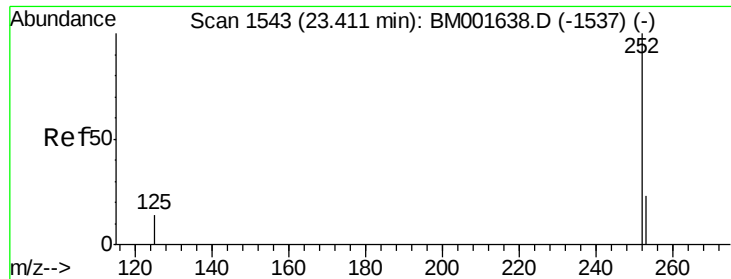
Delta R.T. -0.01 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Tgt Ion:	252	Resp:	2607
Ion	Ratio	Lower	Upper
252	100		
253	28.0	20.8	31.2
125	20.1	12.2	18.4#





#25

Benzo(a)pyrene

Concen: 0.21 ng/ul

RT: 23.40 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

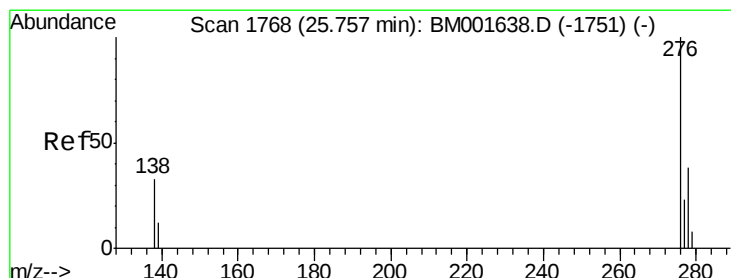
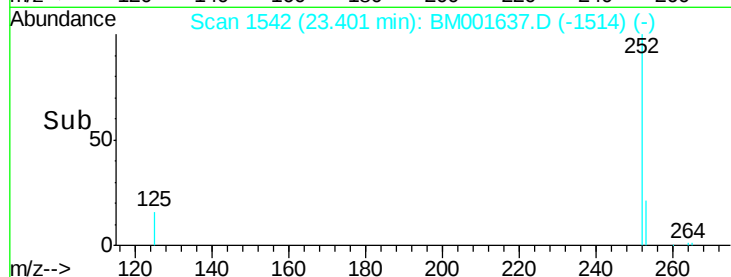
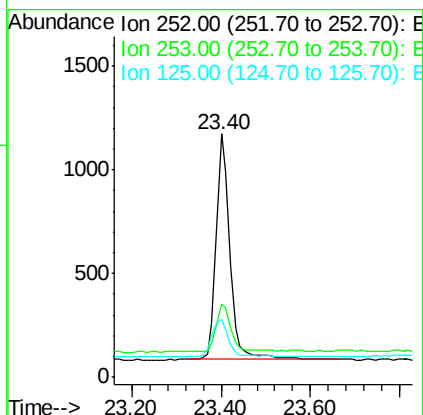
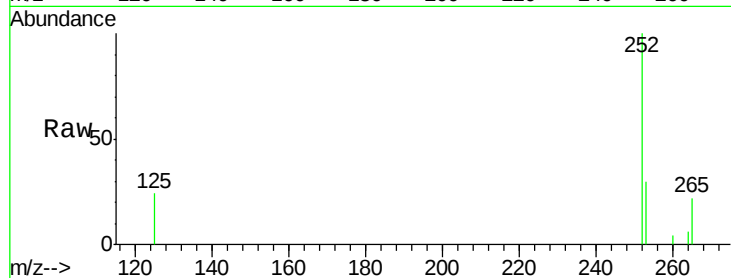
Instrument :

BNA_M

ClientSampleId :

SSTD0.286

Tgt Ion:	252	Resp:	2337
Ion	Ratio	Lower	Upper
252	100		
253	30.2	21.8	32.8
125	23.6	14.5	21.7#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.23 ng/ul

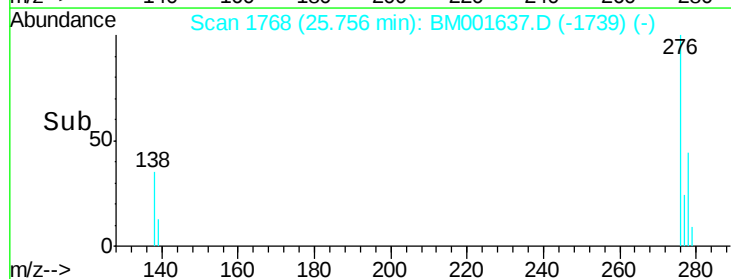
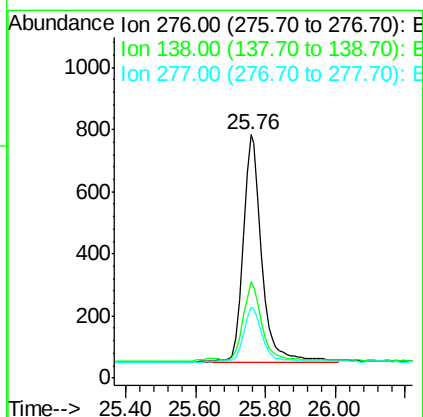
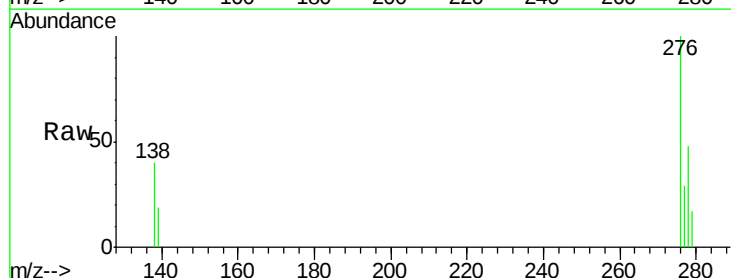
RT: 25.76 min Scan# 1768

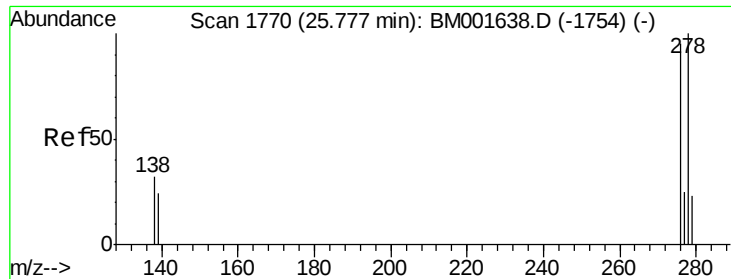
Delta R.T. -0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Tgt Ion:	276	Resp:	2729
Ion	Ratio	Lower	Upper
276	100		
138	34.7	27.5	41.3
277	24.6	19.3	28.9





#27

Dibenzo(a,h)anthracene

Concen: 0.23 ng/ul

RT: 25.78 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.286

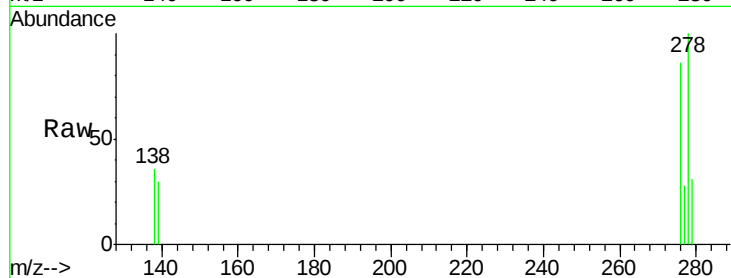
Tgt Ion: 278 Resp: 2206

Ion Ratio Lower Upper

278 100

139 30.0 21.7 32.5

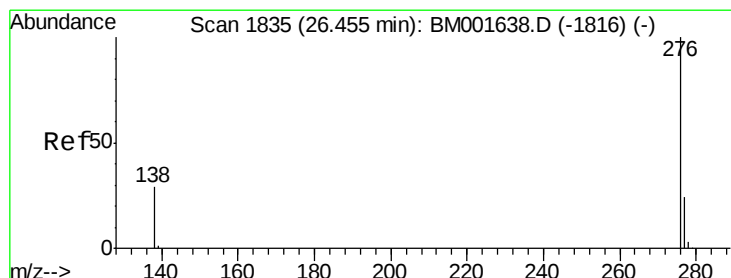
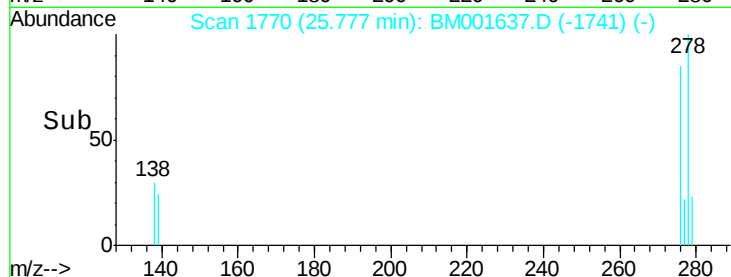
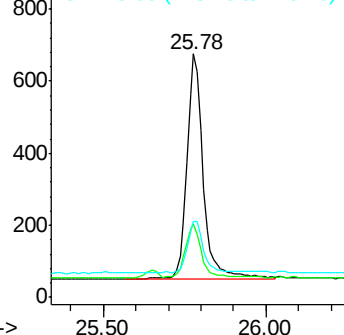
279 31.2 21.9 32.9



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: 0.25 ng/ul

RT: 26.44 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM001637.D

Acq: 10 Jun 2015 22:09

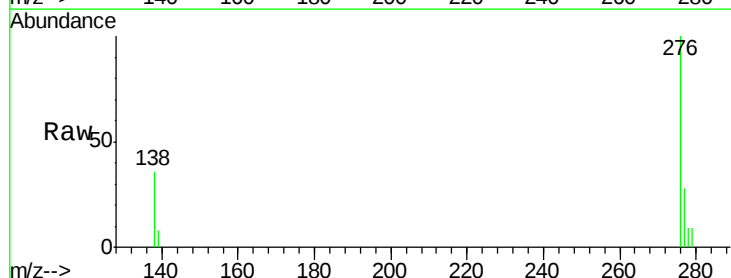
Tgt Ion: 276 Resp: 2601

Ion Ratio Lower Upper

276 100

277 28.4 21.3 31.9

138 35.7 25.5 38.3



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

