

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123115\
 Data File : BM003866.D
 Acq On : 30 Dec 2015 01:19
 Operator : SJ/UM
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.435

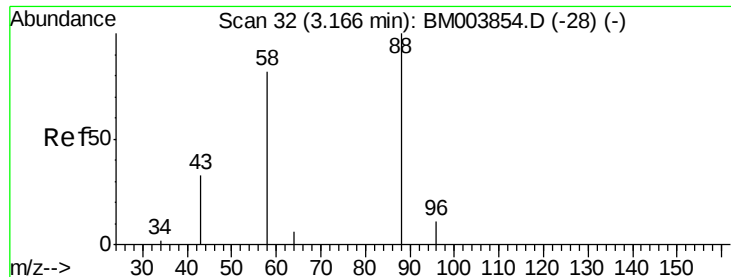
Quant Time: Dec 30 03:35:25 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 30 03:30:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	5700	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	24586	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	14127	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	32723	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	29476	0.40	ng/ul	-0.01
22) Perylene-d12	23.52	264	22264	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	4916	2.02	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	13200	0.45	ng/ul	-0.01
16) Fluoranthene-d10	19.11	212	33893	0.49	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.17	88	5943	1.92	ng/ul#	8
5) Naphthalene	10.51	128	24397	0.44	ng/ul	98
7) 2-Methylnaphthalene	12.13	142	17375	0.47	ng/ul	100
9) Acenaphthylene	14.04	152	22118	0.41	ng/ul	96
10) Acenaphthene	14.38	153	19399	0.45	ng/ul#	82
11) Fluorene	15.38	166	21924	0.45	ng/ul#	75
13) Pentachlorophenol	16.75	266	995	0.21	ng/ul	95
14) Phenanthrene	17.21	178	30461	0.36	ng/ul	97
15) Anthracene	17.21	178	32080	0.44	ng/ul	100
17) Fluoranthene	19.15	202	44890	0.49	ng/ul	92
19) Pyrene	19.51	202	43264	0.54	ng/ul	94
20) Benzo(a)anthracene	21.26	228	33952	0.47	ng/ul#	88
21) Chrysene	21.26	228	33952	0.41	ng/ul	91
23) Benzo(b)fluoranthene	22.84	252	31237	0.41	ng/ul	97
24) Benzo(k)fluoranthene	22.88	252	29567	0.43	ng/ul	96
25) Benzo(a)pyrene	23.41	252	28287	0.44	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.77	276	30116	0.41	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.78	278	24221	0.40	ng/ul	99
28) Benzo(g,h,i)perylene	26.46	276	26031	0.40	ng/ul	97

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



#3

1,4-Dioxane

Concen: 1.92 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

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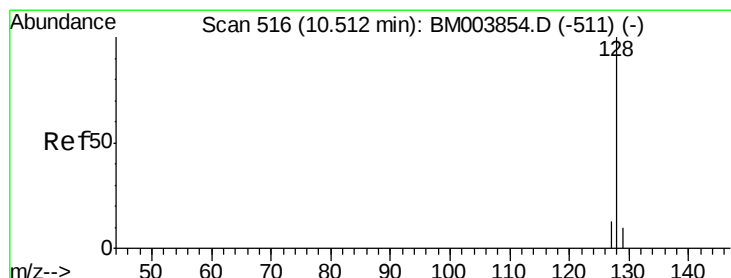
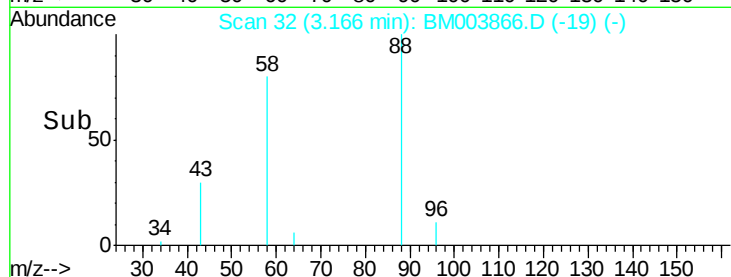
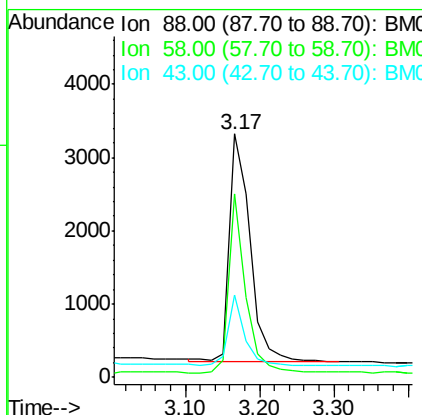
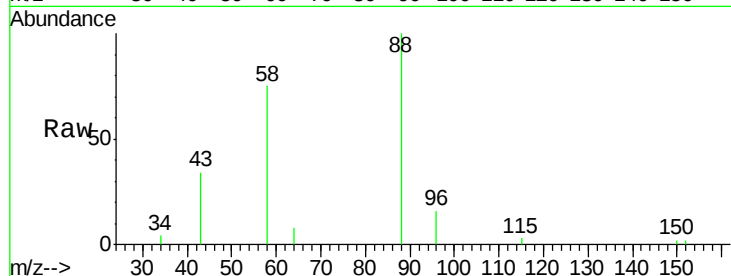
Tot Ion: 88 Resp: 5943

Ion Ratio Lower Upper

88 100

58 63.4 8.0 12.0#

43 24.5 8.0 12.0#



#5

Naphthalene

Concen: 0.44 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

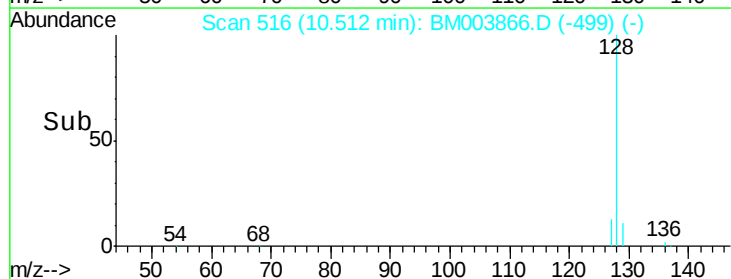
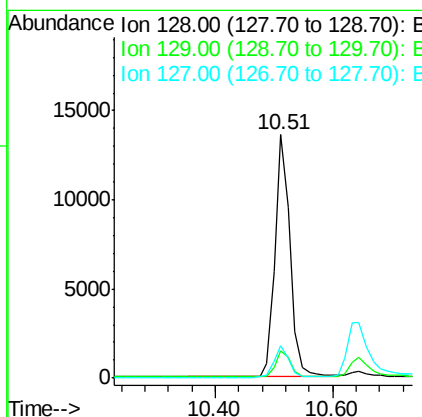
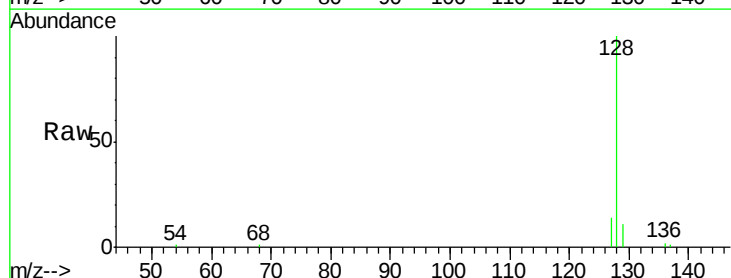
Tgt Ion: 128 Resp: 24397

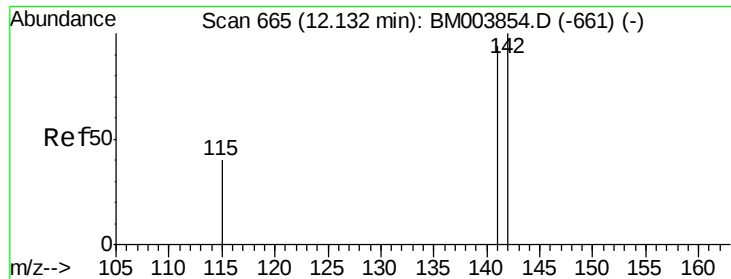
Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 13.5 9.6 14.4





#7

2-Methylnaphthalene

Concen: 0.47 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

Instrument :

BNA_M

ClientSampleId :

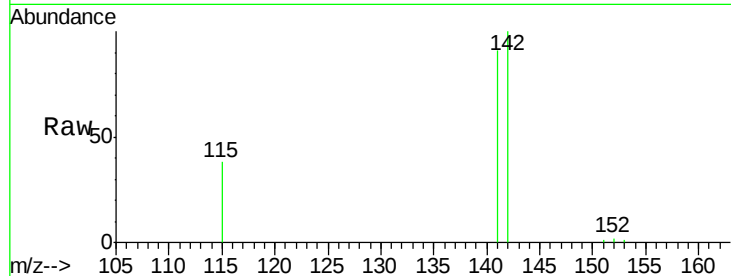
SSTD0.435

Tot Ion:142 Resp: 17375

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

10000

8000

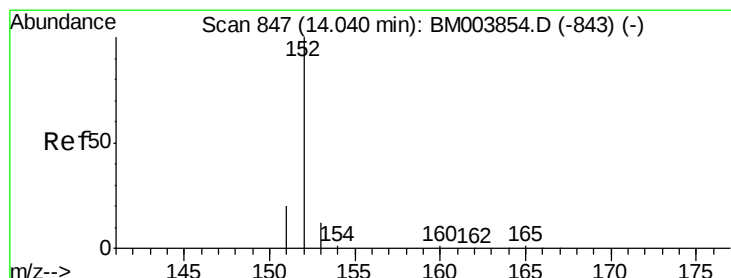
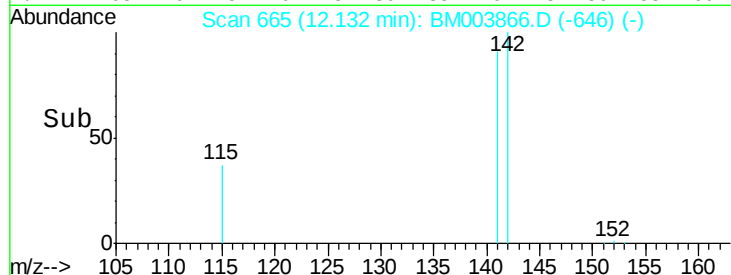
6000

4000

2000

0

Time--> 12.00 12.10 12.20 12.30



#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

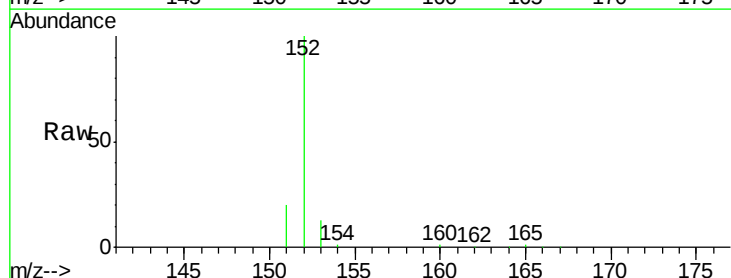
Tgt Ion:152 Resp: 22118

Ion Ratio Lower Upper

152 100

151 19.9 17.6 26.4

153 13.2 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

20000

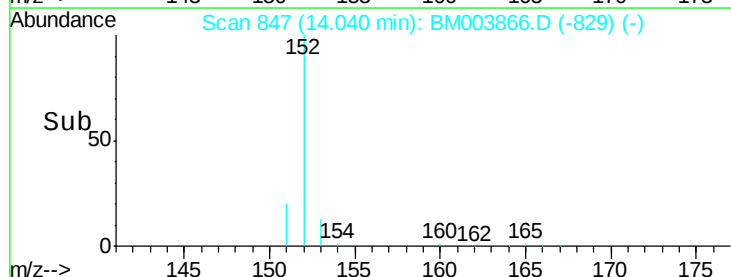
15000

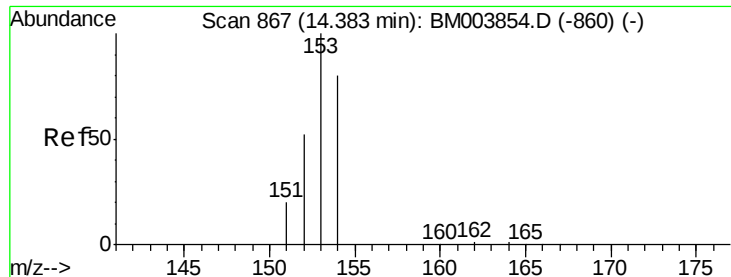
10000

5000

0

Time--> 13.90 14.00 14.10 14.20





#10

Acenaphthene

Concen: 0.45 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

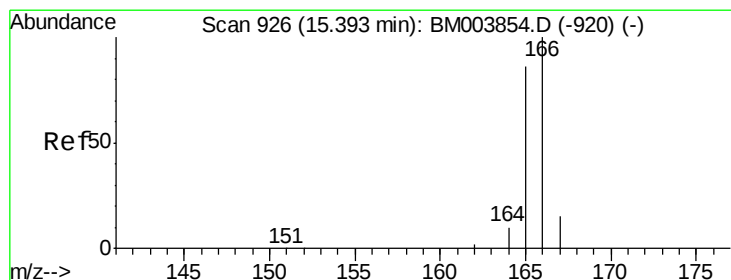
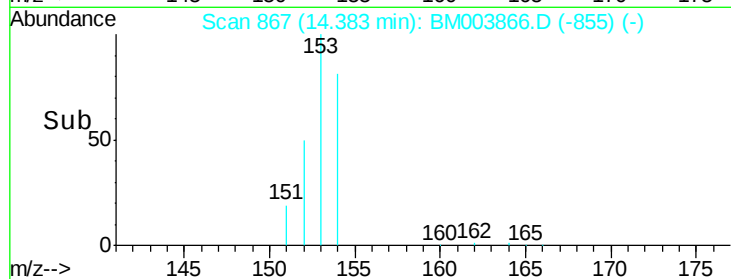
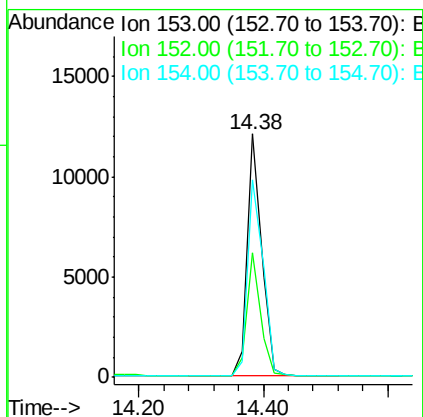
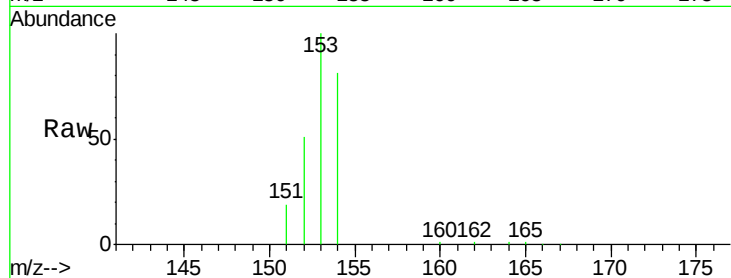
Tot Ion:153 Resp: 19399

Ion Ratio Lower Upper

153 100

152 51.2 33.9 50.9#

154 81.3 80.6 121.0



#11

Fluorene

Concen: 0.45 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

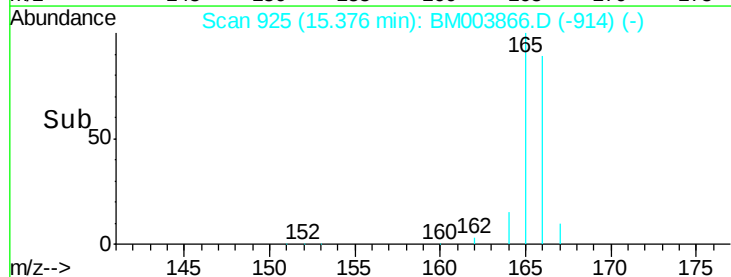
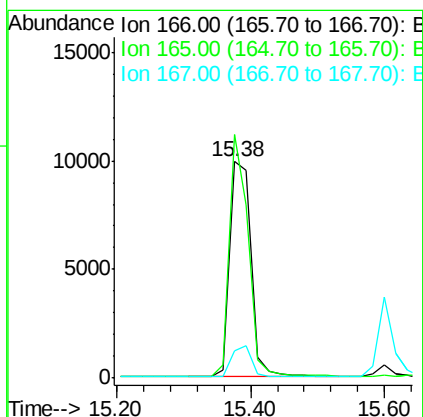
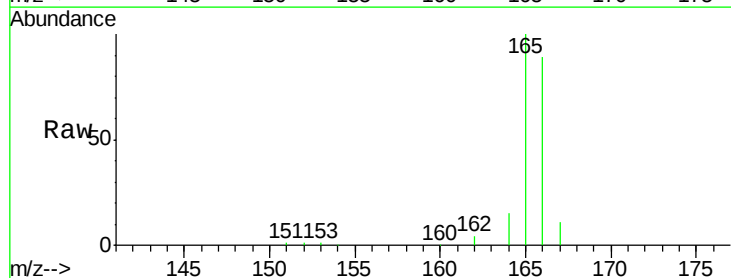
Tgt Ion:166 Resp: 21924

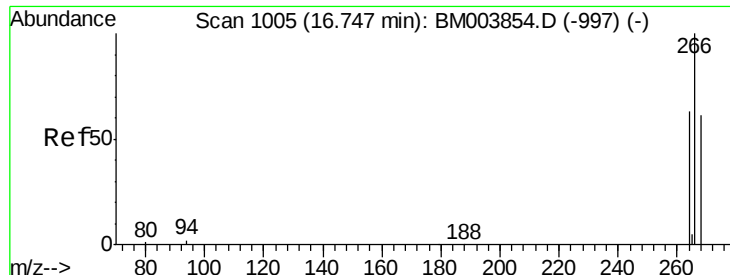
Ion Ratio Lower Upper

166 100

165 112.7 69.6 104.4#

167 12.3 11.9 17.9

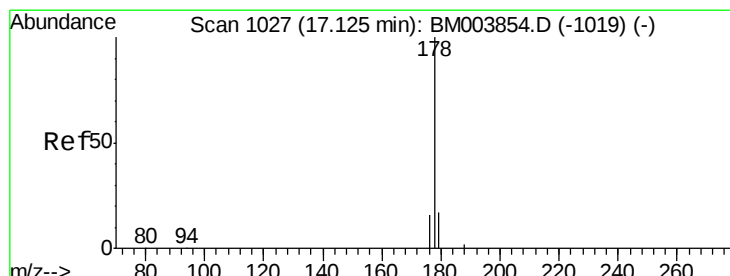
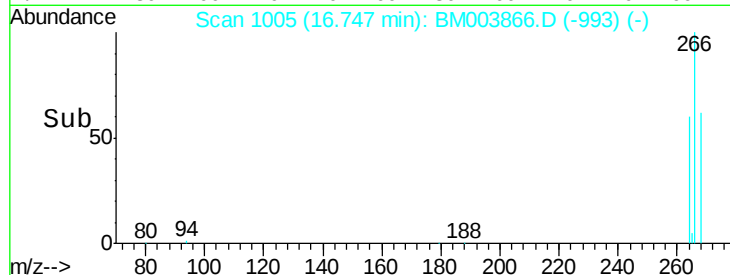
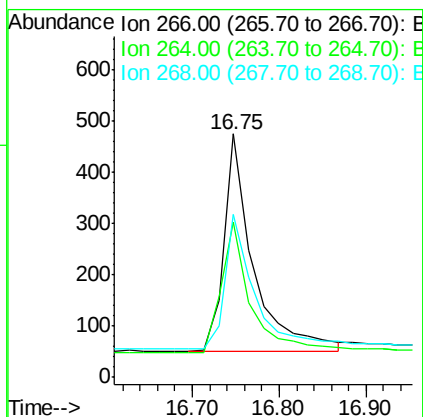
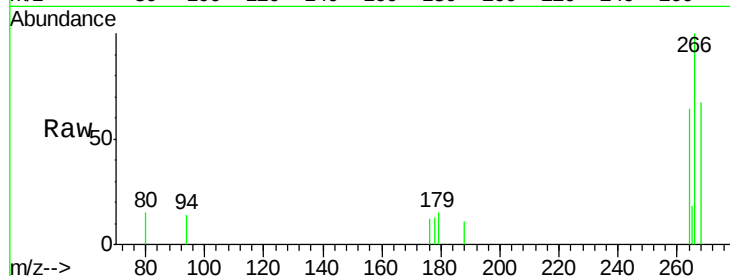




#13
 Pentachlorophenol
 Concen: 0.21 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BM003866.D
 Acq: 30 Dec 2015 01:19

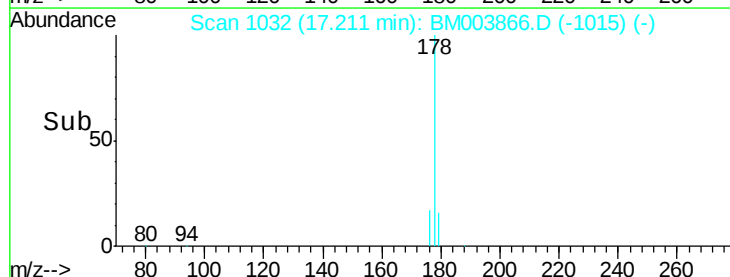
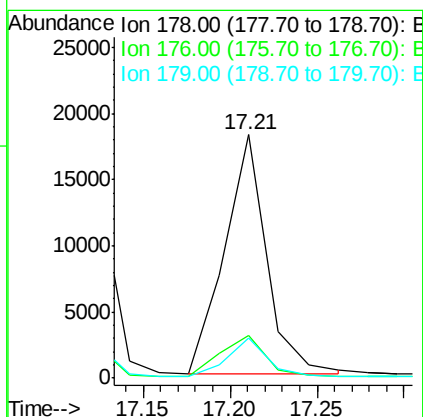
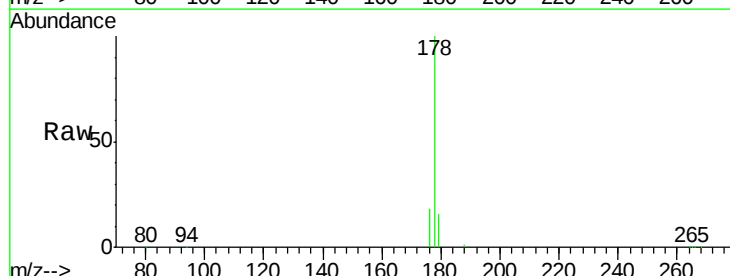
Instrument :
 BNA_M
 ClientSampleId :
 SST0.435

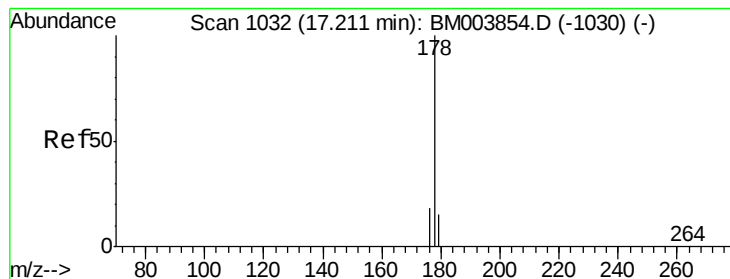
Tot Ion:266 Resp: 995
 Ion Ratio Lower Upper
 266 100
 264 63.1 51.8 77.8
 268 64.7 46.8 70.2



#14
 Phenanthrene
 Concen: 0.36 ng/ul
 RT: 17.21 min Scan# 1032
 Delta R.T. 0.09 min
 Lab File: BM003866.D
 Acq: 30 Dec 2015 01:19

Tgt Ion:178 Resp: 30461
 Ion Ratio Lower Upper
 178 100
 176 17.6 13.0 19.4
 179 16.4 14.2 21.2





#15

Anthracene

Concen: 0.44 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

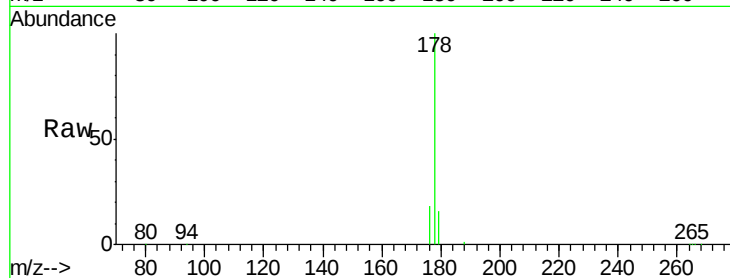
Tot Ion:178 Resp: 32080

Ion Ratio Lower Upper

178 100

176 17.6 14.0 21.0

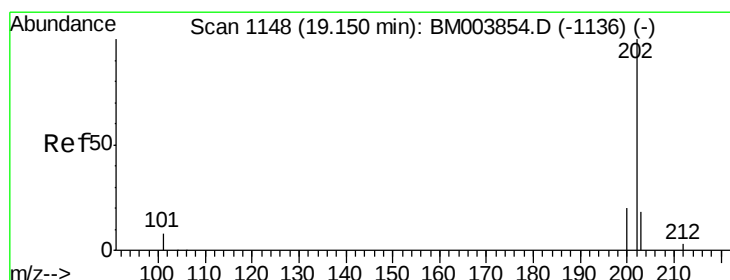
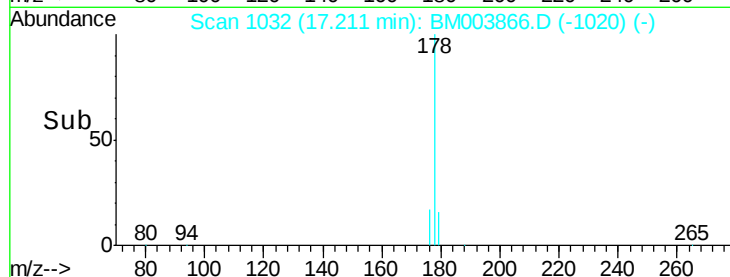
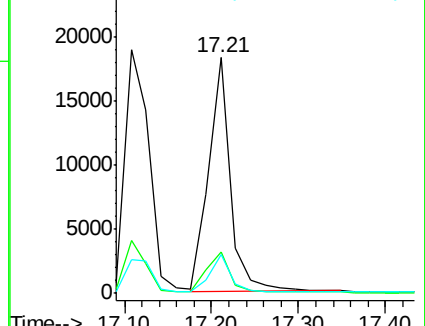
179 16.4 12.9 19.3



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: 0.49 ng/ul

RT: 19.15 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

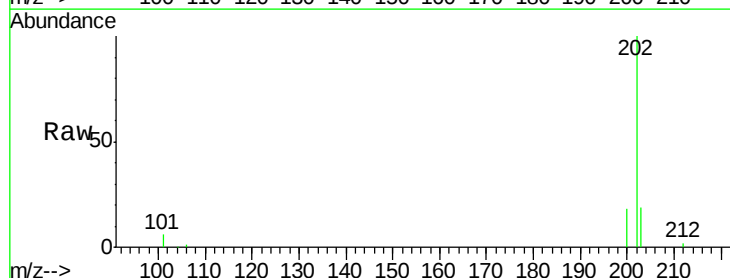
Tgt Ion:202 Resp: 44890

Ion Ratio Lower Upper

202 100

101 5.9 0.0 29.6

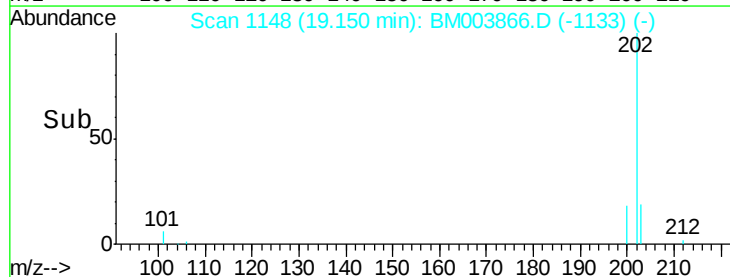
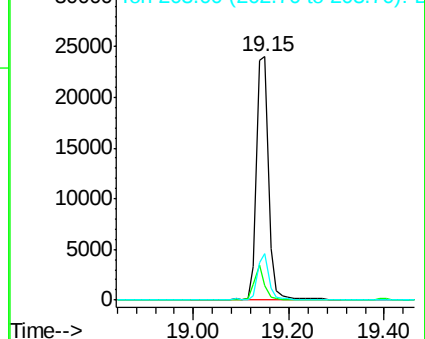
203 19.1 0.0 36.3

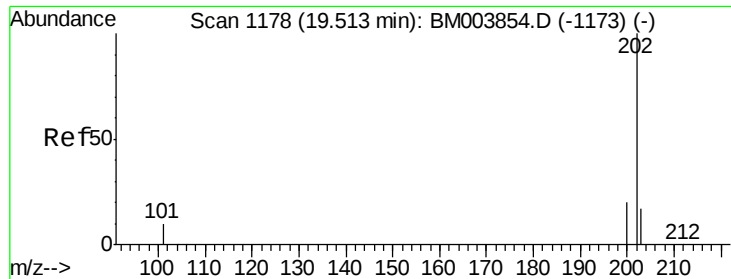


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.54 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

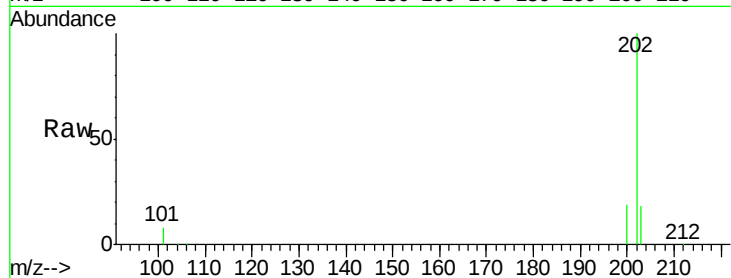
Tot Ion:202 Resp: 43264

Ion Ratio Lower Upper

202 100

200 19.2 17.8 26.8

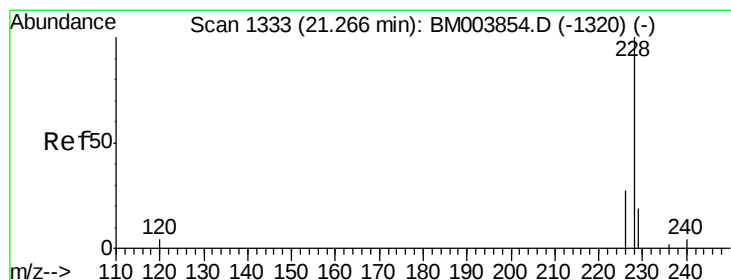
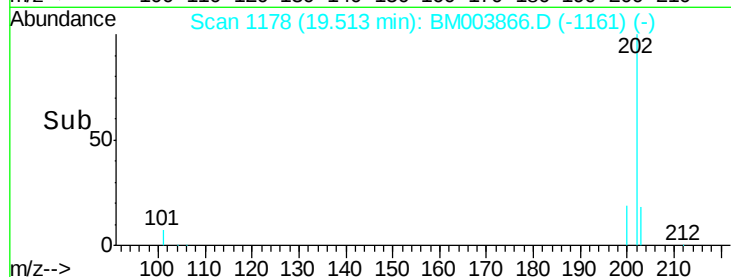
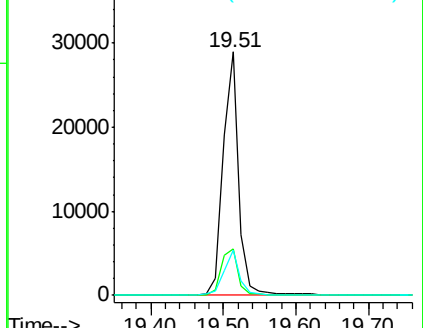
203 18.4 12.8 19.2



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: 0.47 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

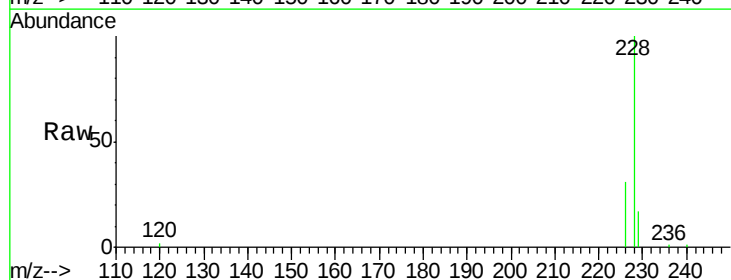
Tgt Ion:228 Resp: 33952

Ion Ratio Lower Upper

228 100

226 30.9 18.8 28.2#

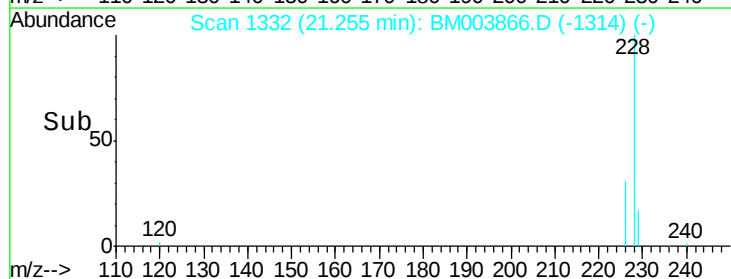
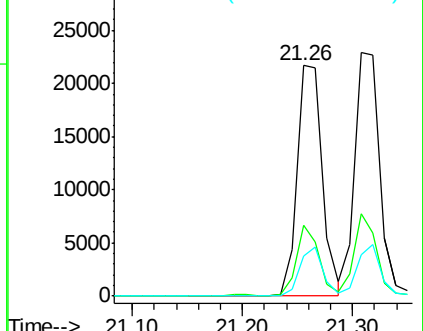
229 17.3 17.1 25.7

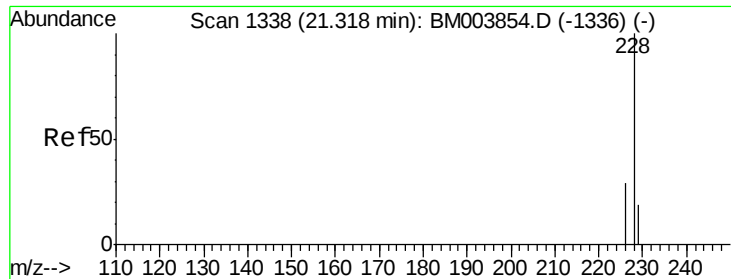


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/uL

RT: 21.26 min Scan# 1332

Delta R.T. -0.06 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

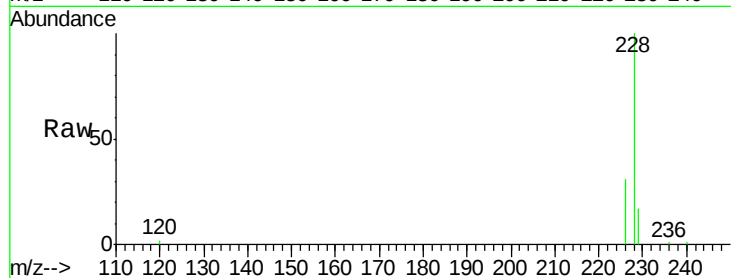
Tot Ion:228 Resp: 33952

Ion Ratio Lower Upper

228 100

226 30.9 21.2 31.8

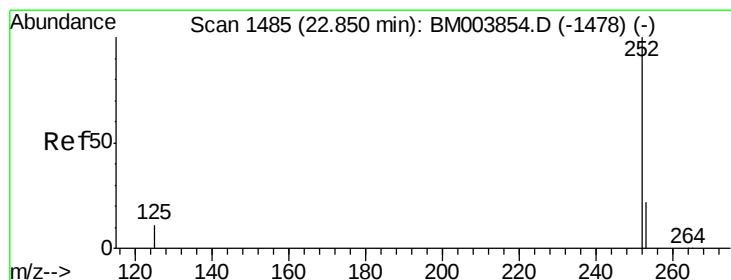
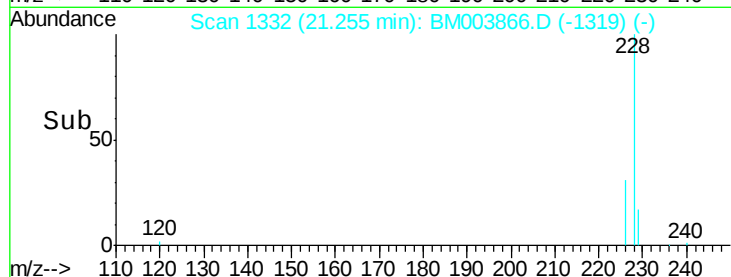
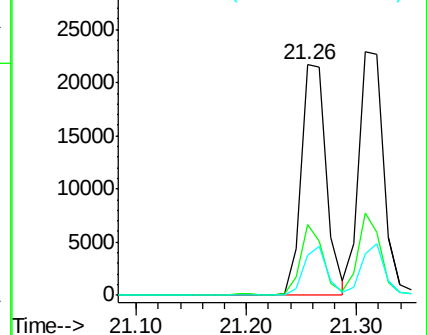
229 17.3 17.0 25.6



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: 0.41 ng/uL

RT: 22.84 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

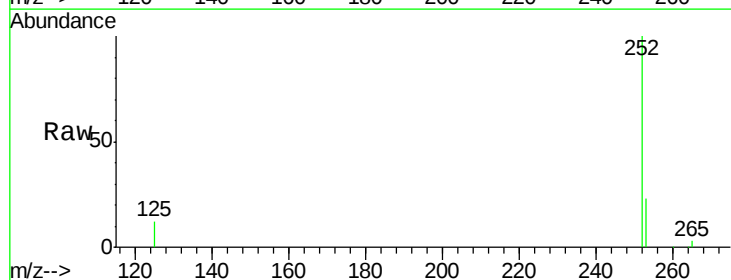
Tgt Ion:252 Resp: 31237

Ion Ratio Lower Upper

252 100

253 22.8 0.0 45.4

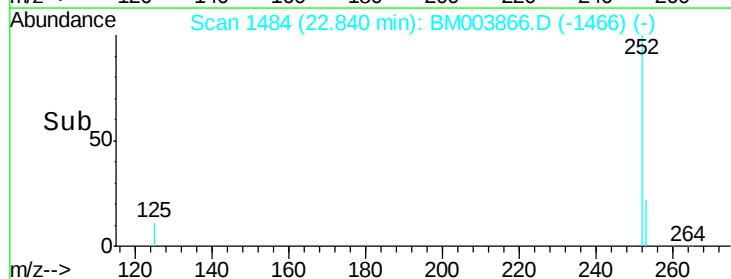
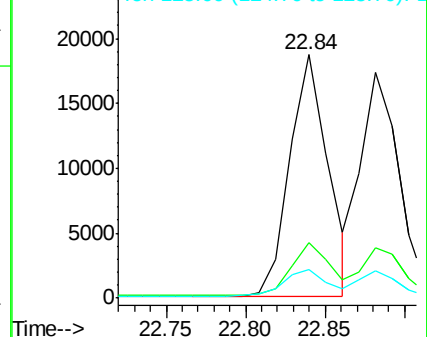
125 11.8 0.0 28.8

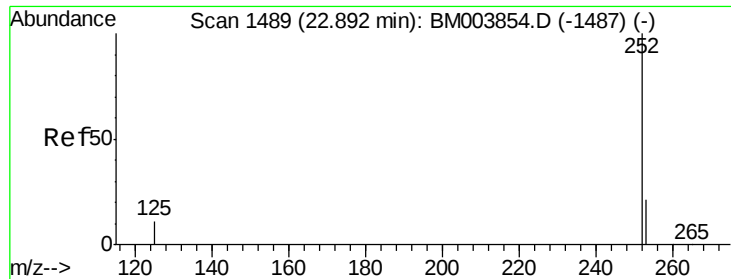


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

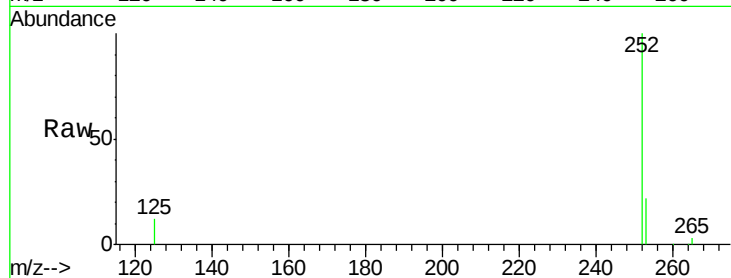
Tot Ion:252 Resp: 29567

Ion Ratio Lower Upper

252 100

253 22.1 19.8 29.8

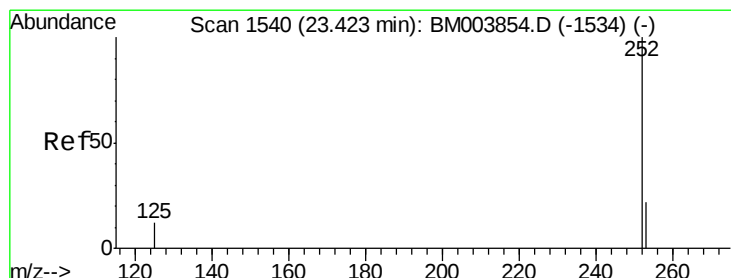
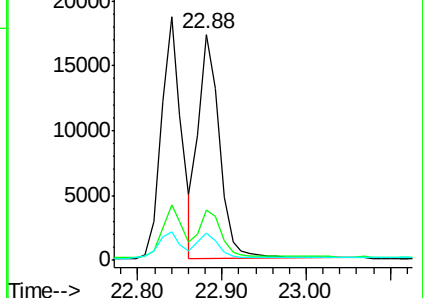
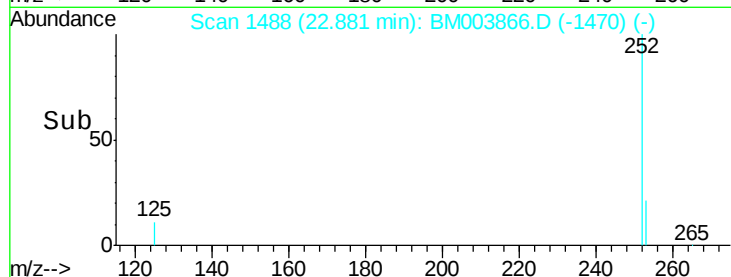
125 12.3 10.4 15.6



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: 0.44 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

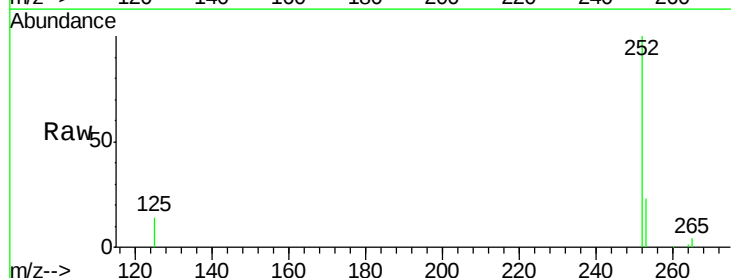
Tgt Ion:252 Resp: 28287

Ion Ratio Lower Upper

252 100

253 22.9 19.4 29.2

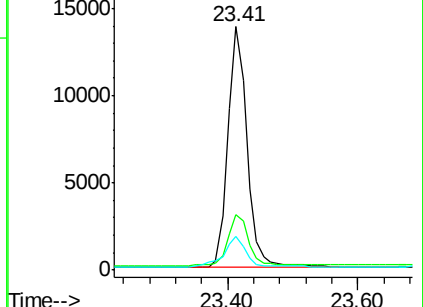
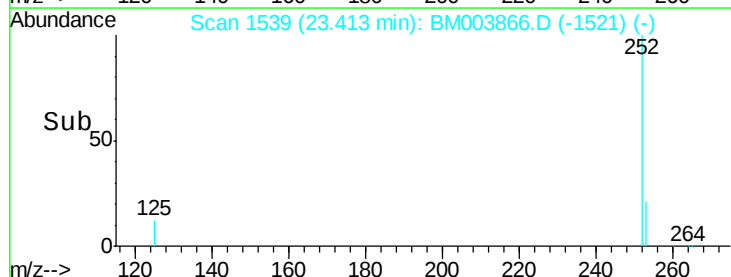
125 13.7 12.7 19.1

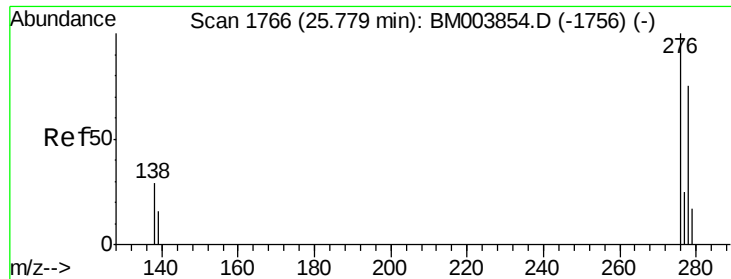


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

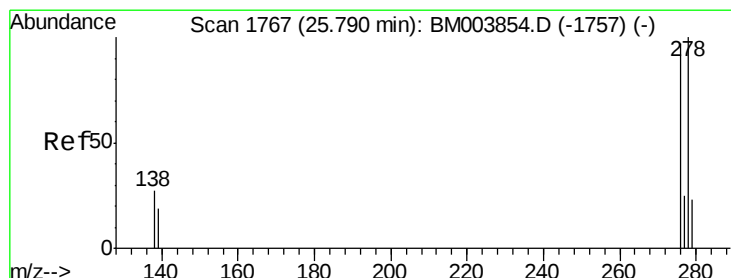
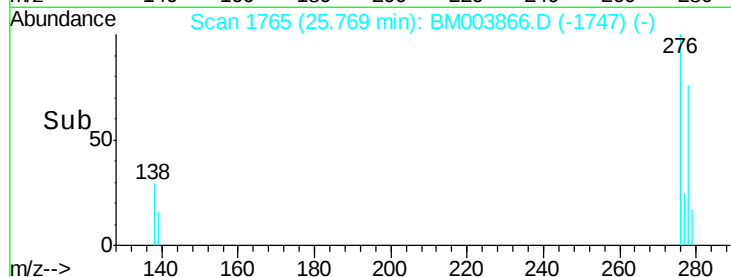
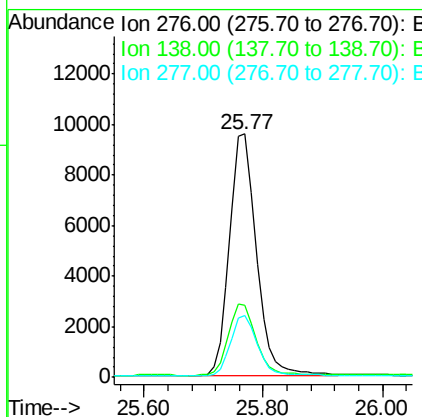
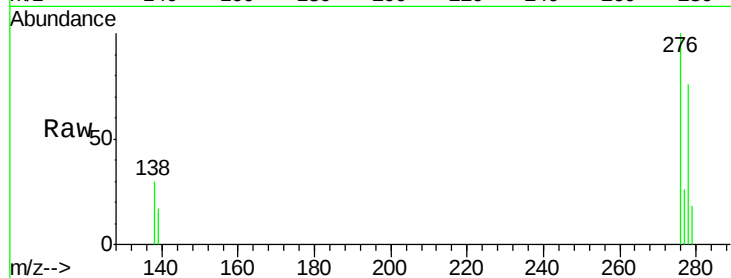




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.41 ng/ul
 RT: 25.77 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BM003866.D
 Acq: 30 Dec 2015 01:19

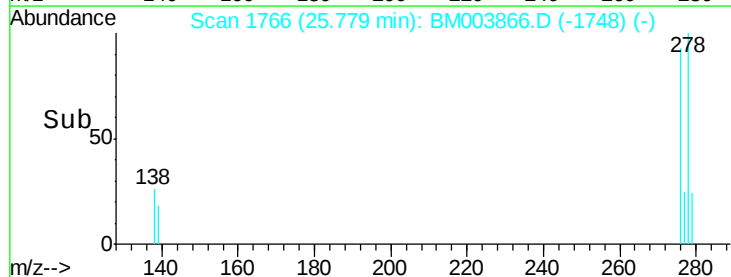
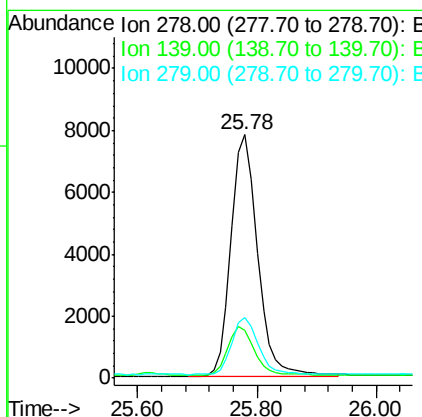
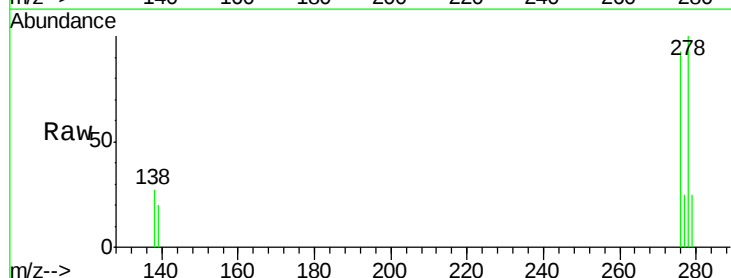
Instrument :
 BNA_M
 ClientSampleId :
 SST0.435

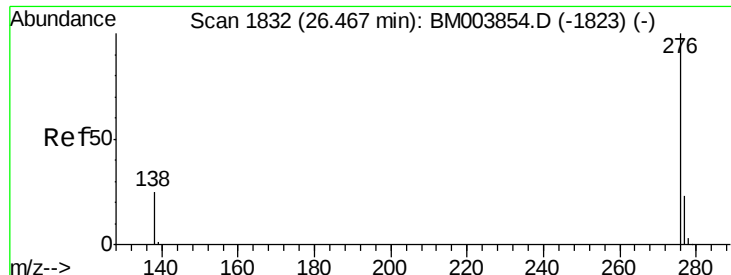
Tot Ion:276 Resp: 30116
 Ion Ratio Lower Upper
 276 100
 138 29.8 16.3 24.5#
 277 24.8 19.8 29.8



#27
 Dibenzo(a,h)anthracene
 Concen: 0.40 ng/ul
 RT: 25.78 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BM003866.D
 Acq: 30 Dec 2015 01:19

Tgt Ion:278 Resp: 24221
 Ion Ratio Lower Upper
 278 100
 139 19.5 16.4 24.6
 279 25.0 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 0.40 ng/ul

RT: 26.46 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BM003866.D

Acq: 30 Dec 2015 01:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

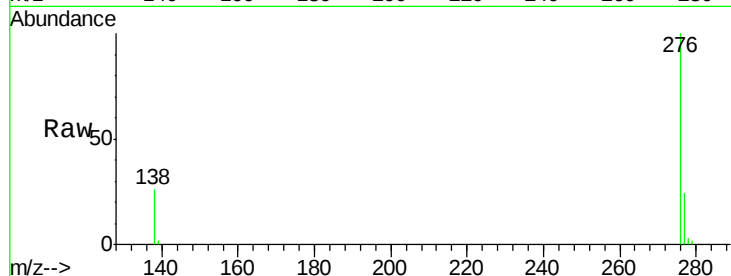
Tot Ion:276 Resp: 26031

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 25.9 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

