

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003845.D
 Acq On : 29 Dec 2015 01:08
 Operator : SJ/UM
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.465

Quant Time: Dec 29 07:16:33 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	5183	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	22474	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	12626	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	28563	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	24558	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	18523	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	4418	1.99	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.07	152	11999	0.45	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	27552	0.45	ng/ul	0.00

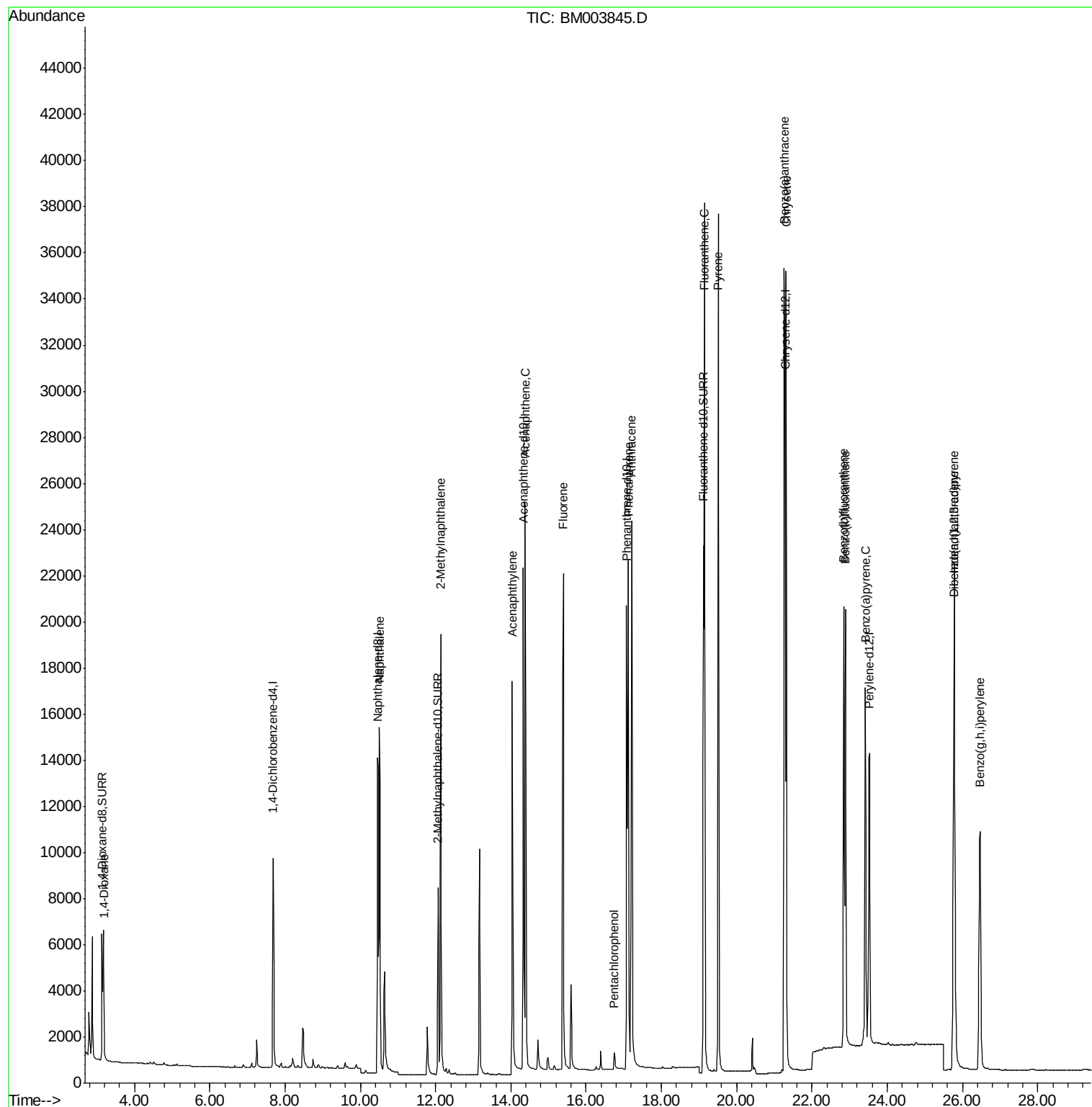
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.18	88	5379	1.91	ng/ul#	9
5) Naphthalene	10.51	128	22321	0.44	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	15736	0.46	ng/ul	99
9) Acenaphthylene	14.04	152	19835	0.41	ng/ul	98
10) Acenaphthene	14.38	153	17360	0.45	ng/ul#	79
11) Fluorene	15.39	166	19534	0.45	ng/ul	100
13) Pentachlorophenol	16.75	266	769	0.19	ng/ul	96
14) Phenanthrene	17.12	178	32203	0.44	ng/ul	98
15) Anthracene	17.21	178	29085	0.46	ng/ul	99
17) Fluoranthene	19.14	202	38388	0.48	ng/ul	98
19) Pyrene	19.51	202	37428	0.56	ng/ul	99
20) Benzo(a)anthracene	21.26	228	29682	0.50	ng/ul	94
21) Chrysene	21.31	228	29918	0.44	ng/ul	94
23) Benzo(b)fluoranthene	22.85	252	27161	0.43	ng/ul	96
24) Benzo(k)fluoranthene	22.89	252	23489	0.41	ng/ul	98
25) Benzo(a)pyrene	23.42	252	23395	0.44	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.77	276	26220	0.42	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.79	278	20917	0.42	ng/ul	99
28) Benzo(g,h,i)perylene	26.46	276	22664	0.42	ng/ul	97

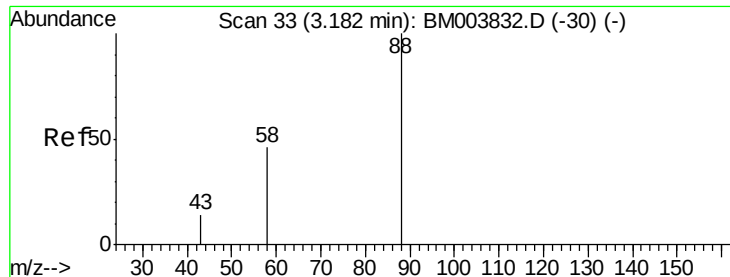
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.91 ng/ul

RT: 3.18 min Scan# 33

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

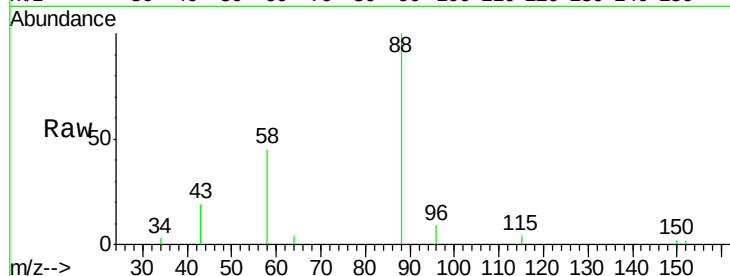
Tgt Ion: 88 Resp: 5379

Ion Ratio Lower Upper

88 100

58 62.8 8.0 12.0#

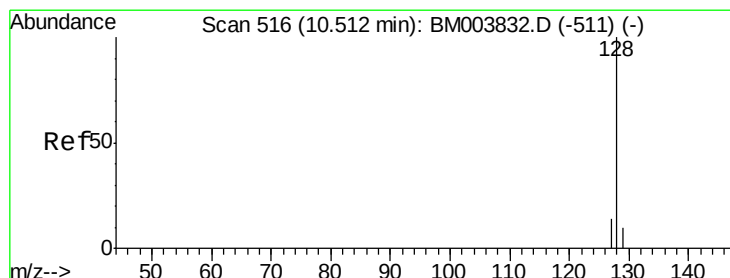
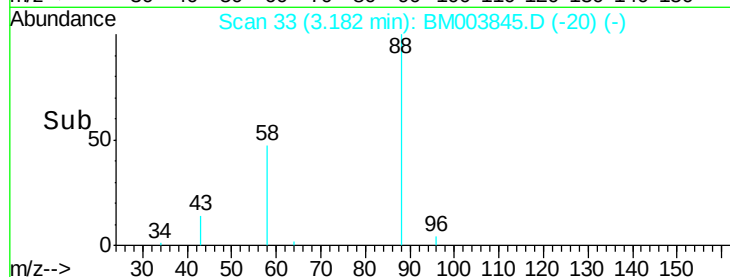
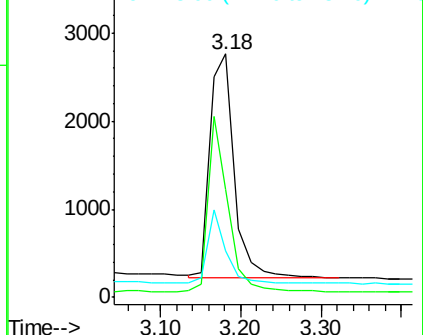
43 24.8 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003832.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM003832.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM003832.D (-30) (-)



#5

Naphthalene

Concen: 0.44 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

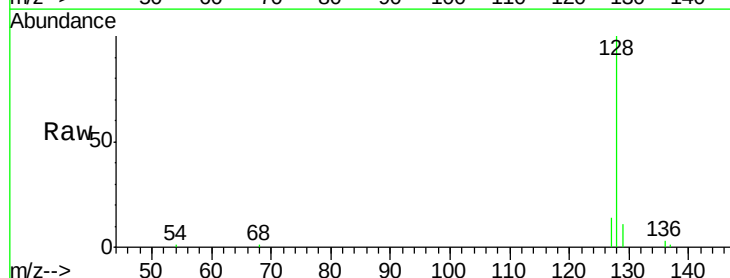
Tgt Ion: 128 Resp: 22321

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

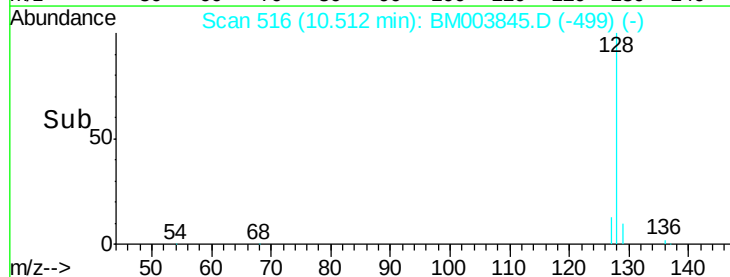
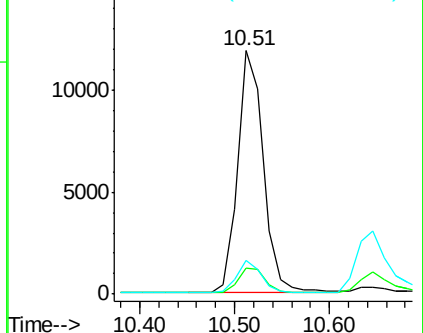
127 13.7 9.6 14.4

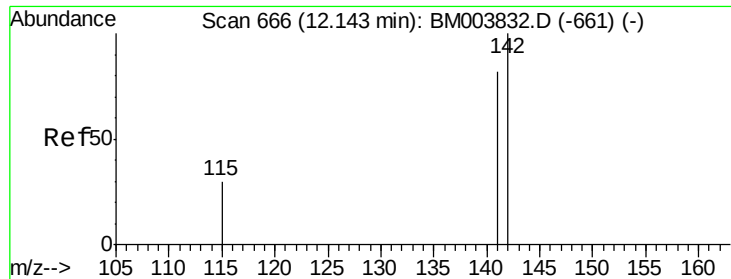


Abundance Ion 128.00 (127.70 to 128.70): BM003832.D (-511) (-)

Ion 129.00 (128.70 to 129.70): BM003832.D (-511) (-)

Ion 127.00 (126.70 to 127.70): BM003832.D (-511) (-)





#7

2-Methylnaphthalene

Concen: 0.46 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

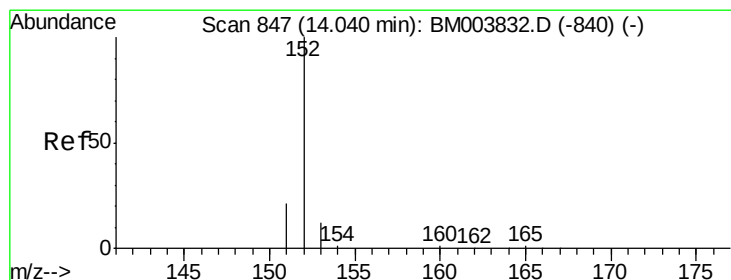
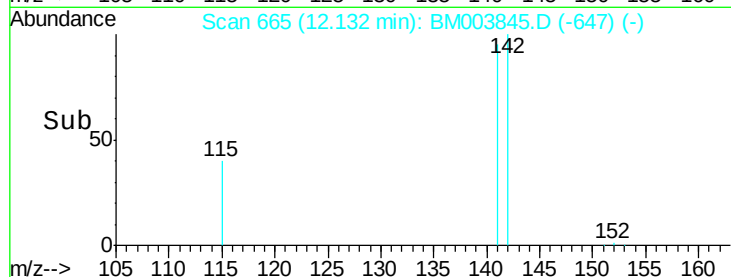
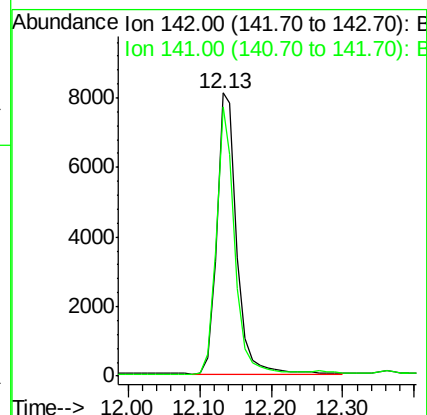
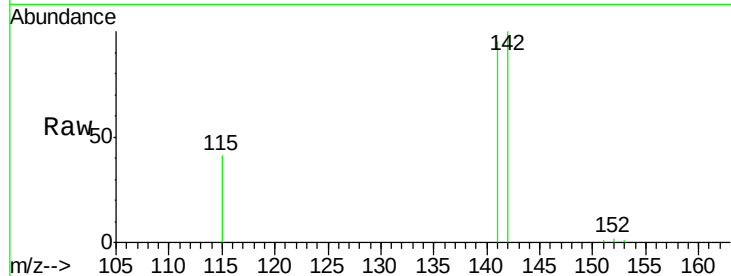
SSTD0.465

Tgt Ion:142 Resp: 15736

Ion Ratio Lower Upper

142 100

141 88.6 70.3 105.5



#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

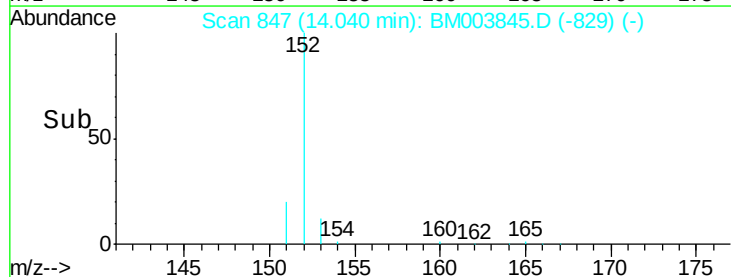
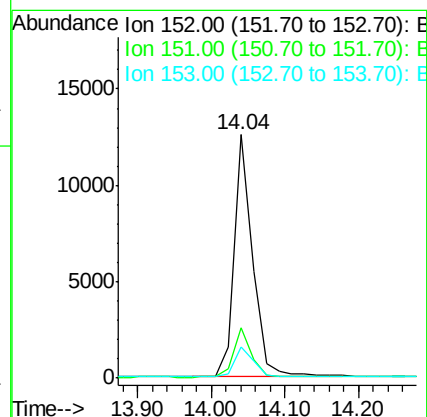
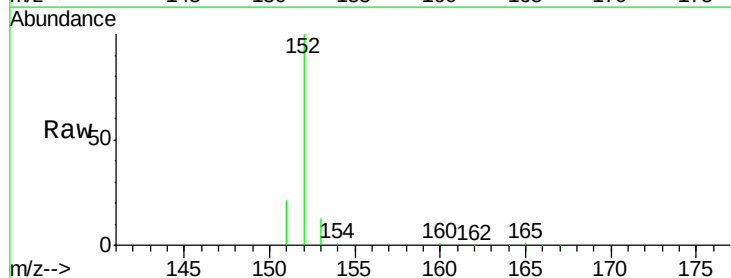
Tgt Ion:152 Resp: 19835

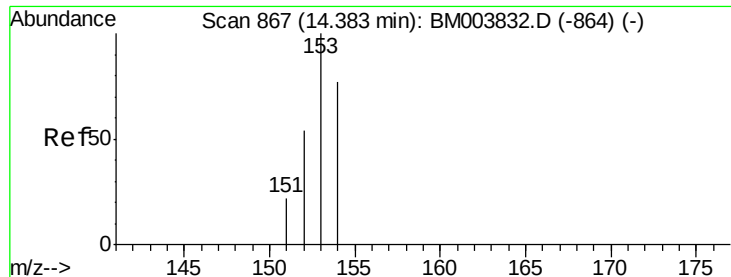
Ion Ratio Lower Upper

152 100

151 20.8 17.6 26.4

153 12.8 9.7 14.5





#10

Acenaphthene

Concen: 0.45 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

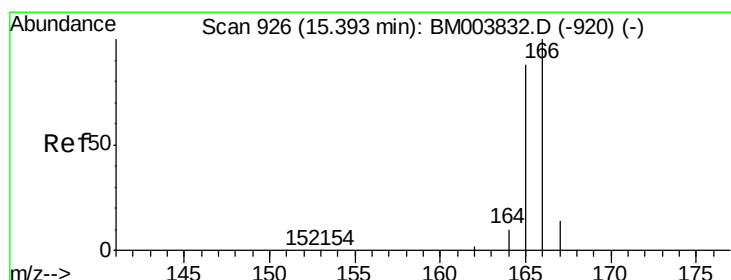
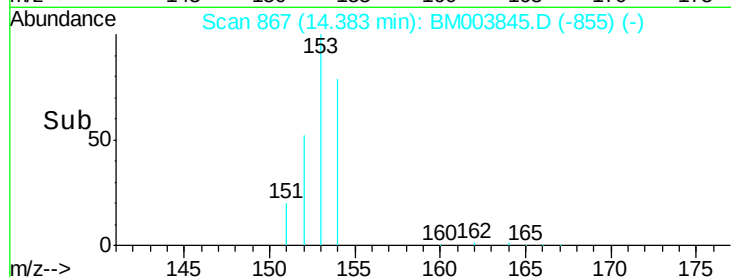
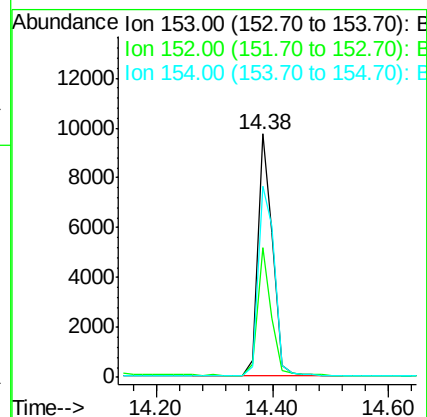
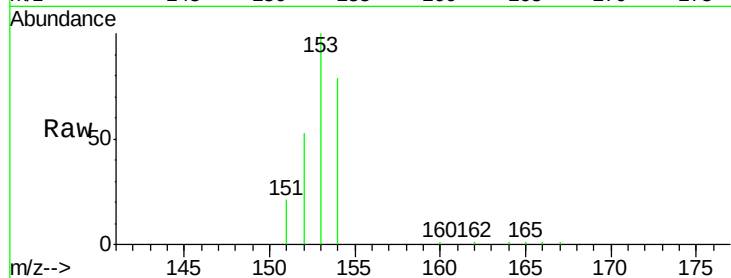
Tgt Ion:153 Resp: 17360

Ion Ratio Lower Upper

153 100

152 53.3 33.9 50.9#

154 78.6 80.6 121.0#



#11

Fluorene

Concen: 0.45 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

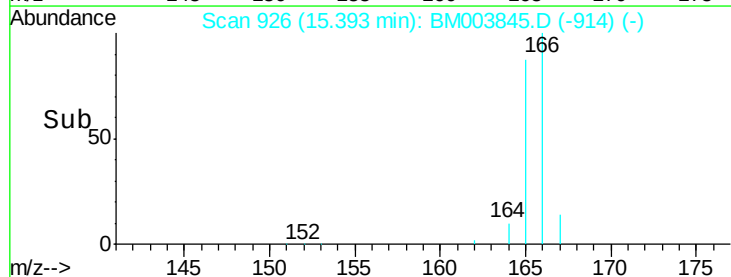
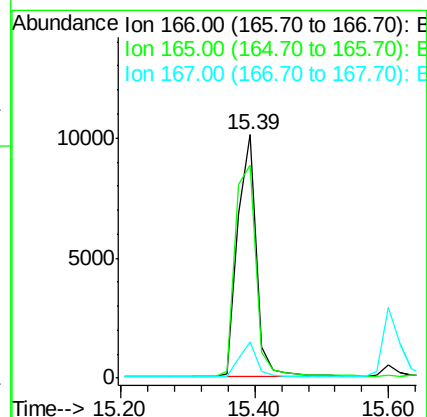
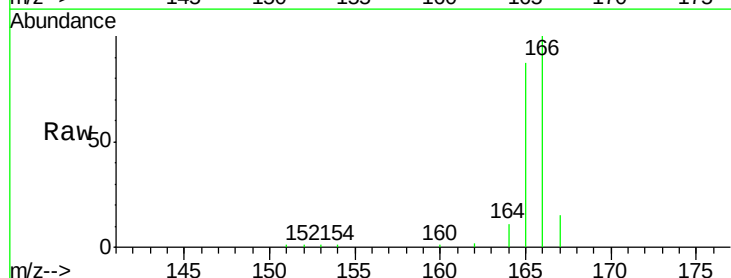
Tgt Ion:166 Resp: 19534

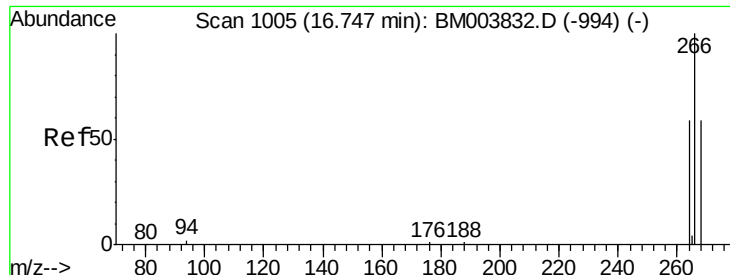
Ion Ratio Lower Upper

166 100

165 87.4 69.6 104.4

167 15.0 11.9 17.9

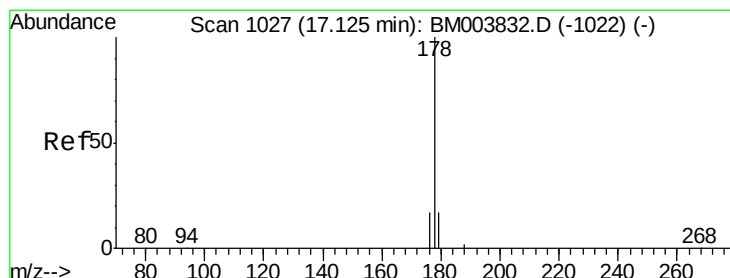
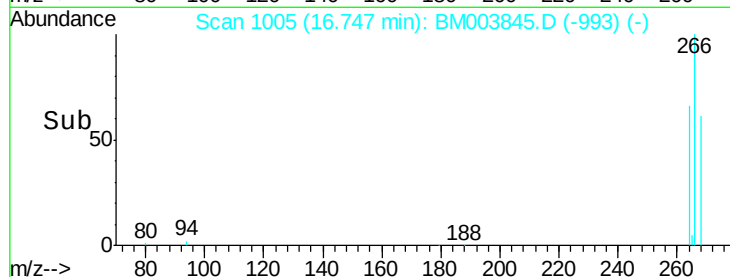
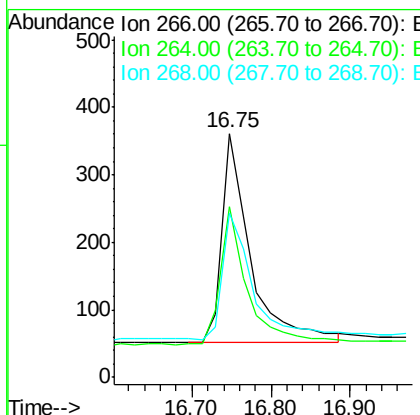
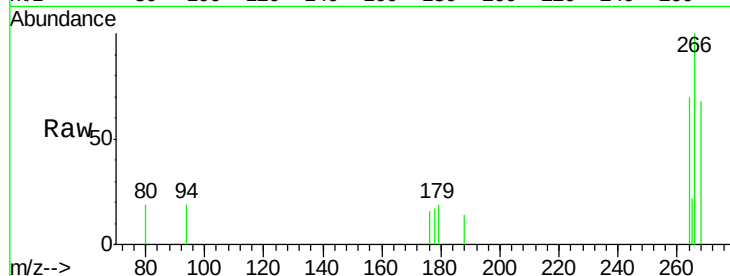




#13
 Pentachlorophenol
 Concen: 0.19 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BM003845.D
 Acq: 29 Dec 2015 01:08

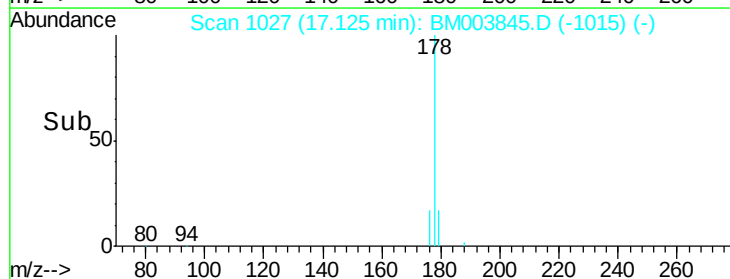
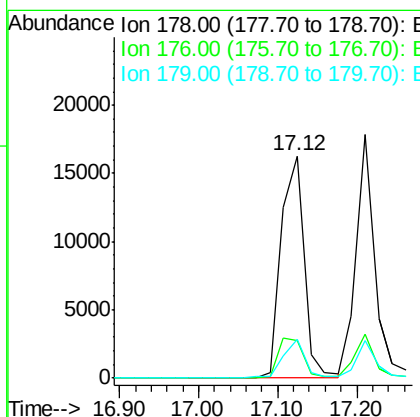
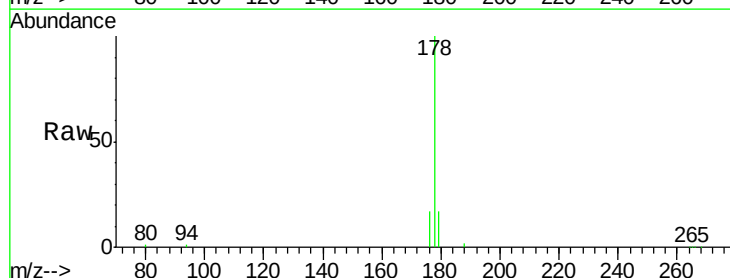
Instrument :
 BNA_M
 ClientSampleId :
 SST0.465

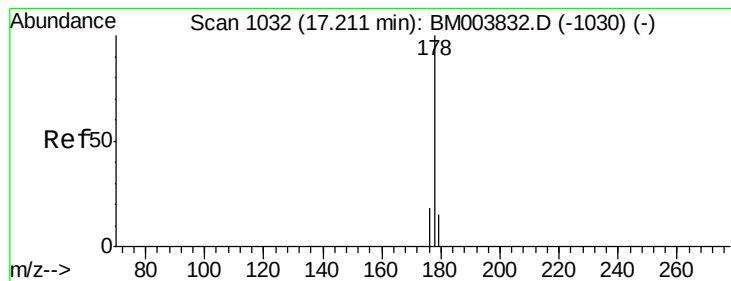
Tgt Ion: 266 Resp: 769
 Ion Ratio Lower Upper
 266 100
 264 64.5 51.8 77.8
 268 64.9 46.8 70.2



#14
 Phenanthrene
 Concen: 0.44 ng/ul
 RT: 17.12 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BM003845.D
 Acq: 29 Dec 2015 01:08

Tgt Ion: 178 Resp: 32203
 Ion Ratio Lower Upper
 178 100
 176 17.0 13.0 19.4
 179 17.2 14.2 21.2





#15

Anthracene

Concen: 0.46 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

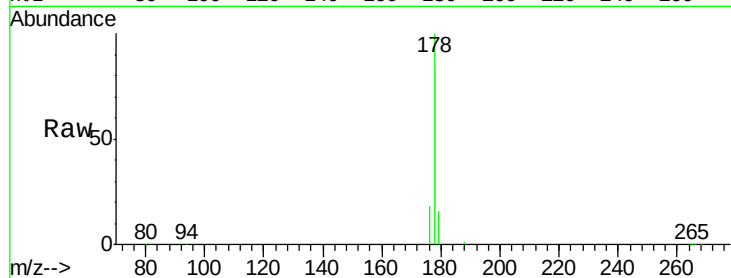
Tgt Ion:178 Resp: 29085

Ion Ratio Lower Upper

178 100

176 18.1 14.0 21.0

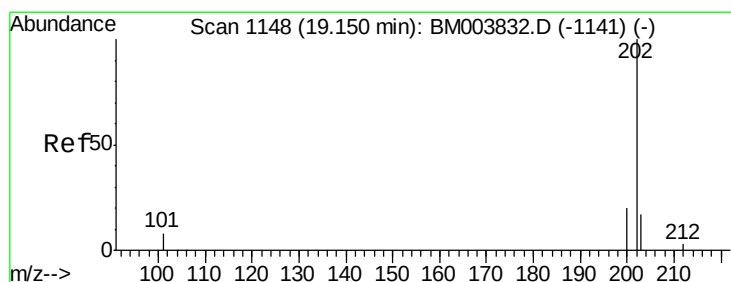
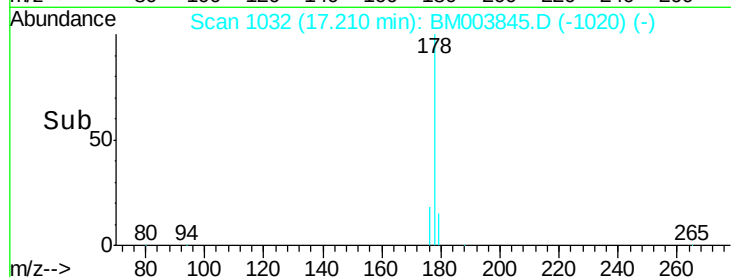
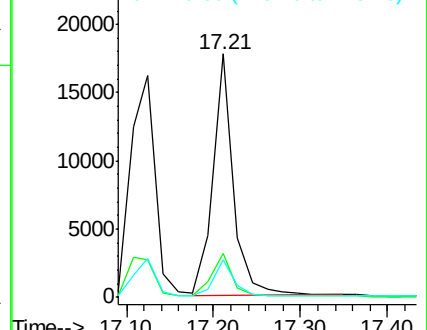
179 15.6 12.9 19.3



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: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

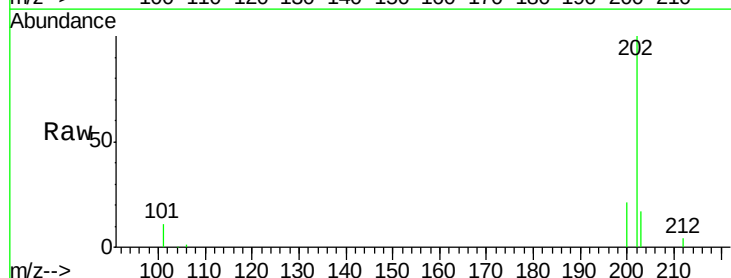
Tgt Ion:202 Resp: 38388

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.6

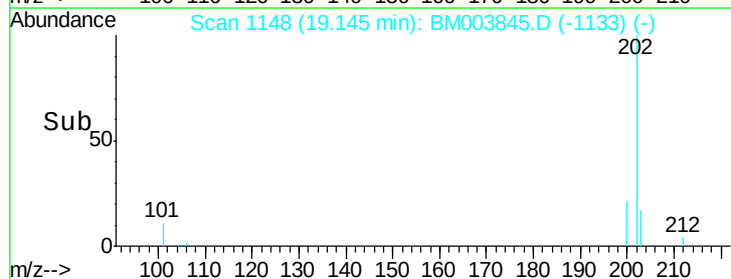
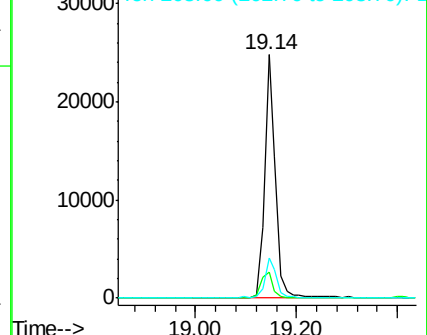
203 16.7 0.0 36.3

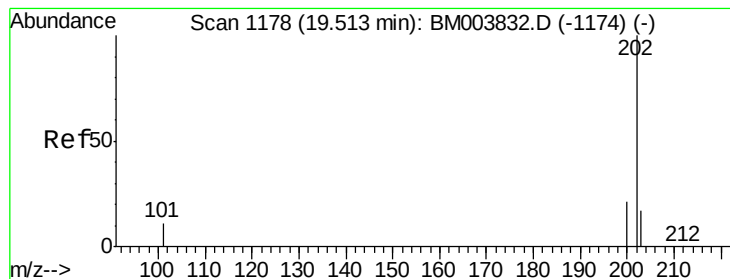


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.56 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

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SSTD0.465

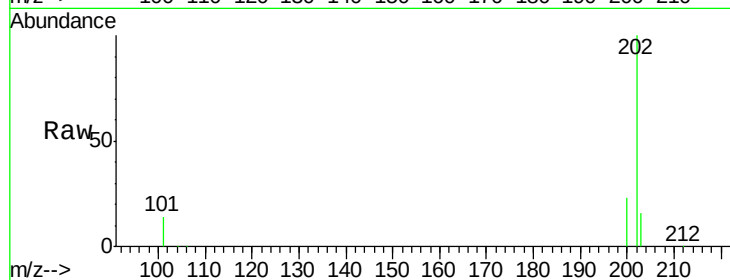
Tgt Ion:202 Resp: 37428

Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.8

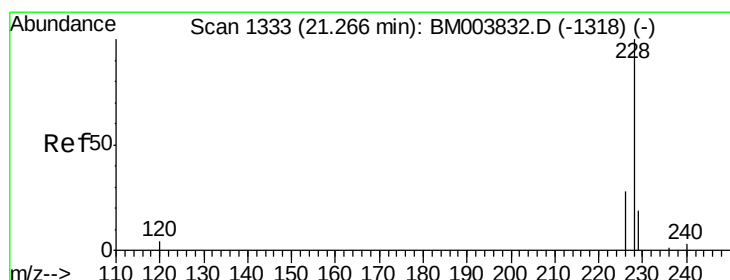
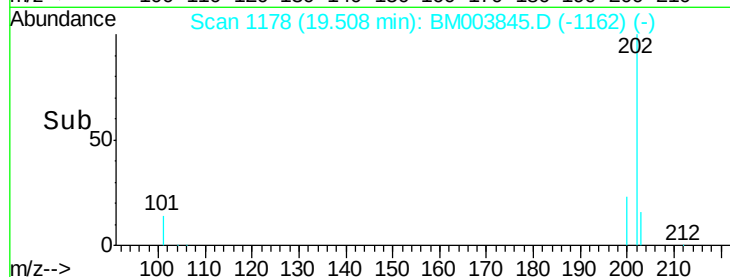
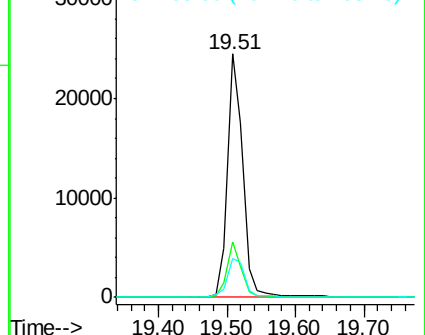
203 15.9 12.8 19.2



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: 0.50 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

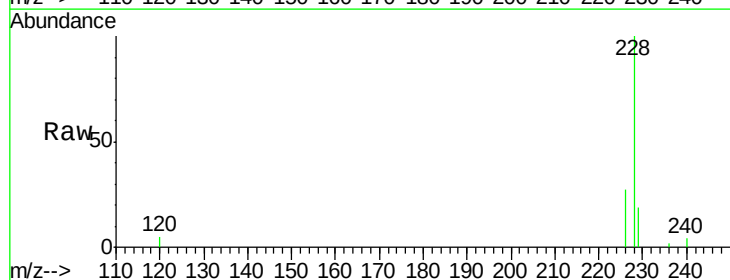
Tgt Ion:228 Resp: 29682

Ion Ratio Lower Upper

228 100

226 27.1 18.8 28.2

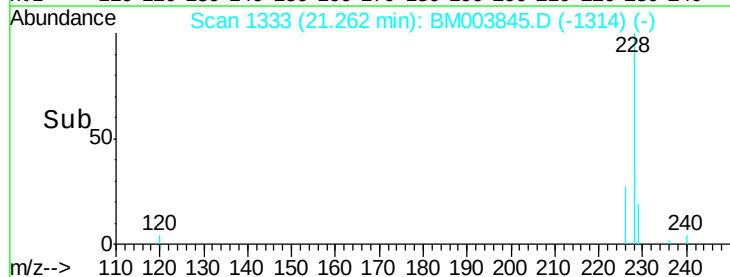
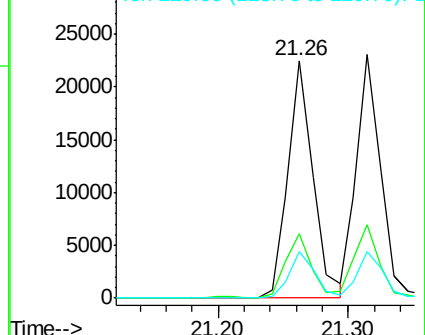
229 19.4 17.1 25.7

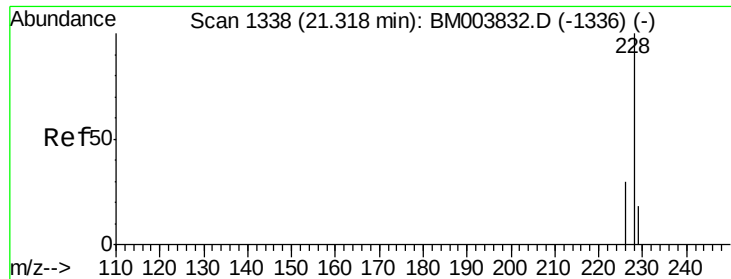


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.44 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

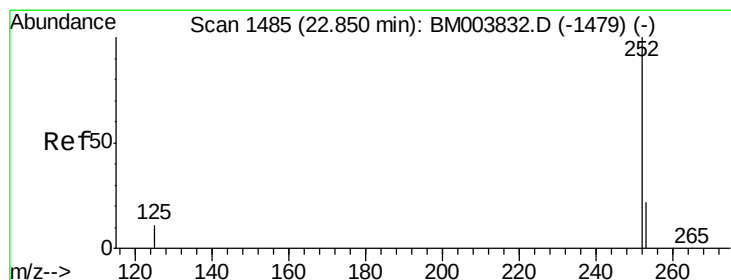
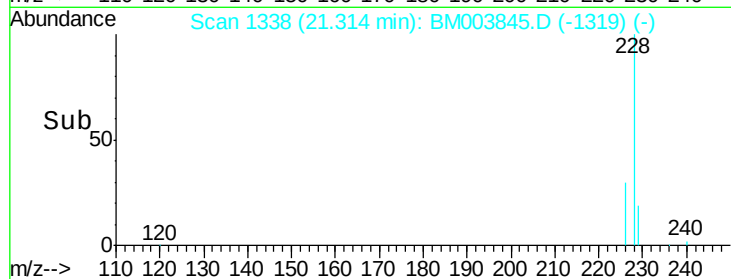
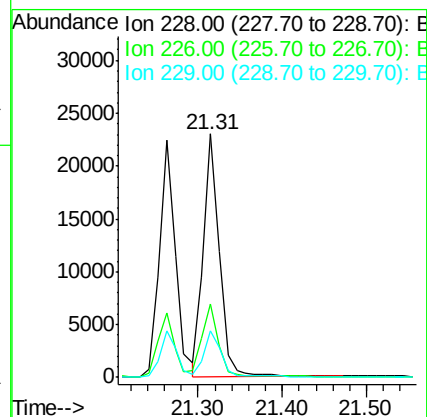
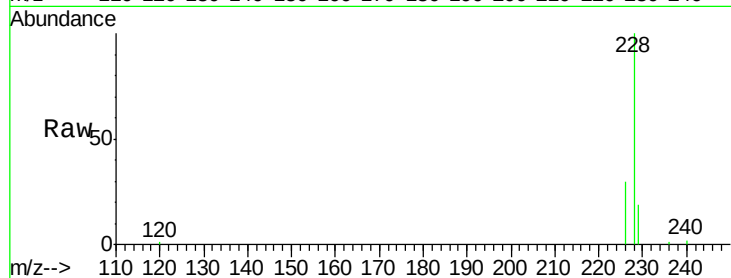
Tgt Ion:228 Resp: 29918

Ion Ratio Lower Upper

228 100

226 30.3 21.2 31.8

229 19.0 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

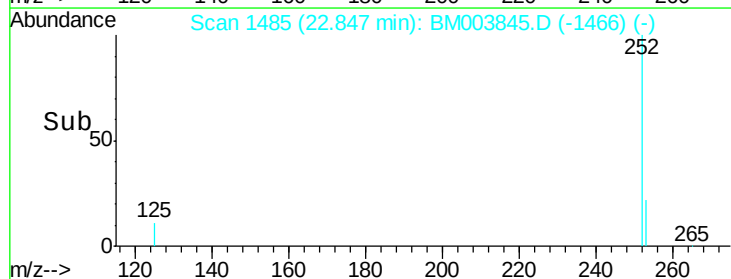
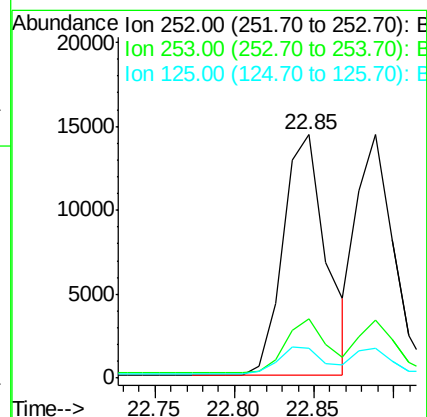
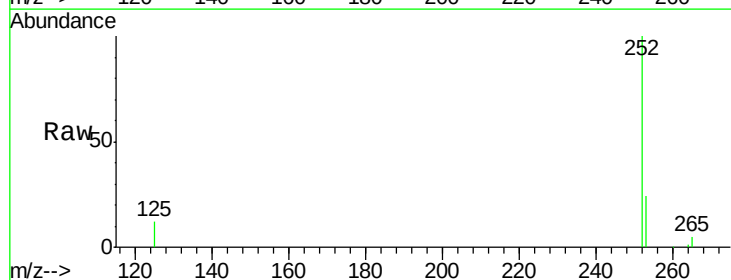
Tgt Ion:252 Resp: 27161

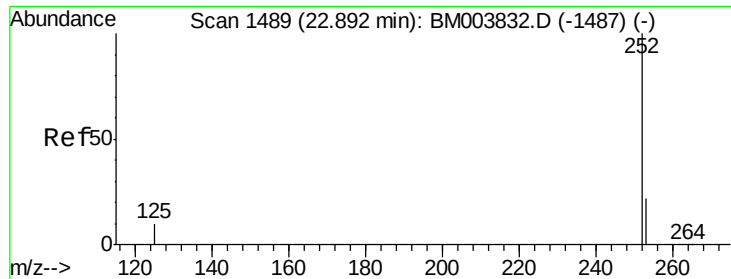
Ion Ratio Lower Upper

252 100

253 24.4 0.0 45.4

125 12.0 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

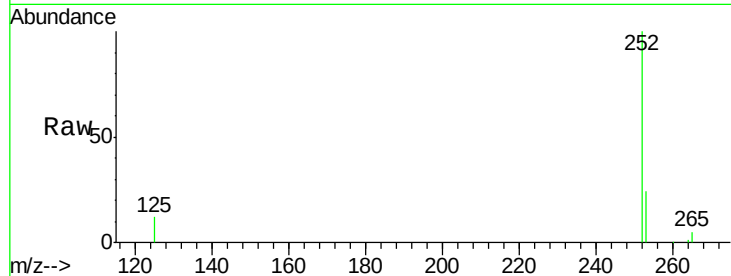
Tgt Ion:252 Resp: 23489

Ion Ratio Lower Upper

252 100

253 23.8 19.8 29.8

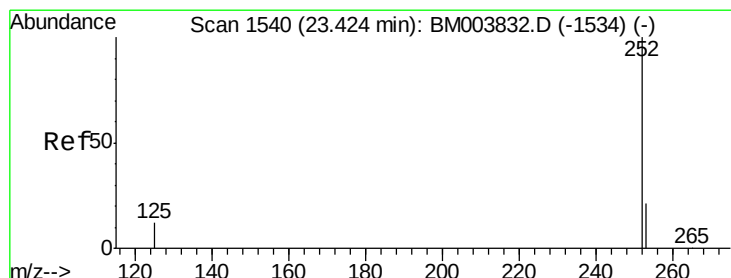
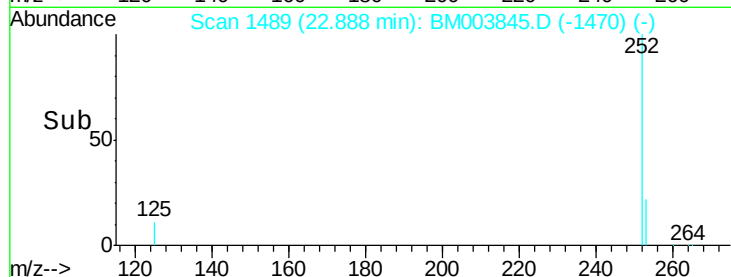
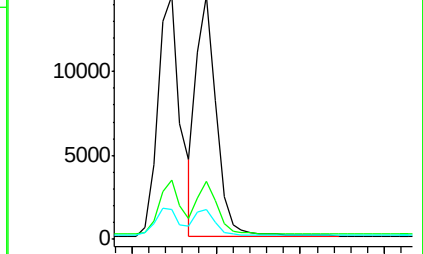
125 12.2 10.4 15.6



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: 23.42 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

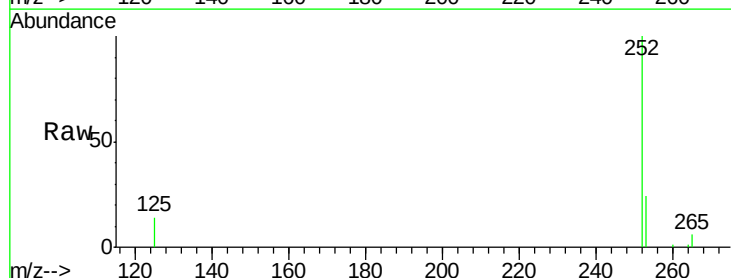
Tgt Ion:252 Resp: 23395

Ion Ratio Lower Upper

252 100

253 24.4 19.4 29.2

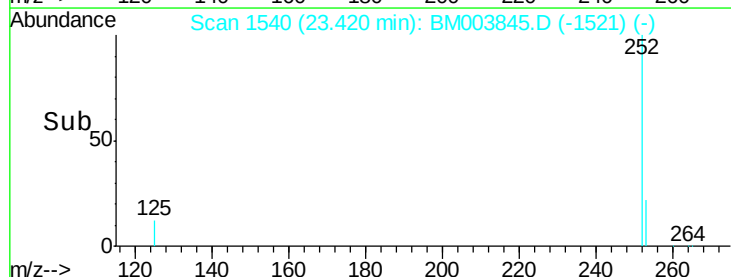
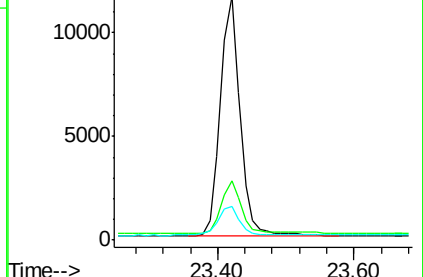
125 14.0 12.7 19.1

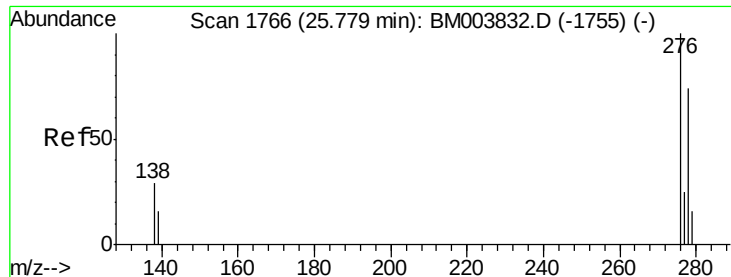


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.42 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

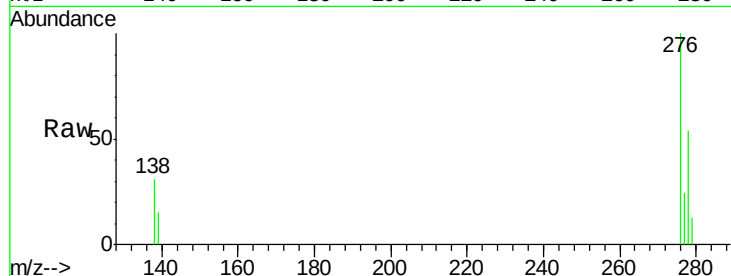
Tgt Ion:276 Resp: 26220

Ion Ratio Lower Upper

276 100

138 29.7 16.3 24.5#

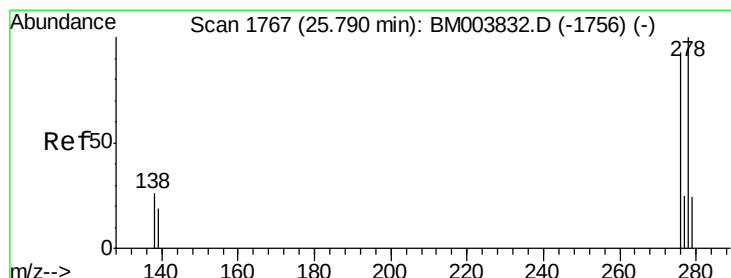
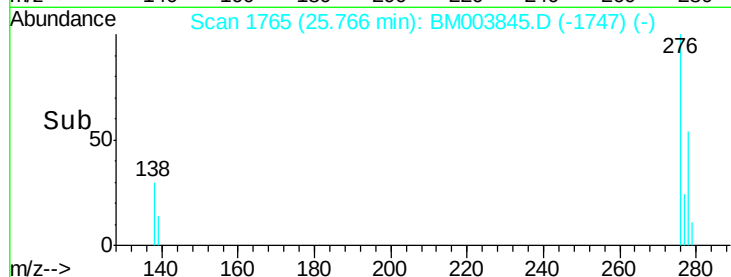
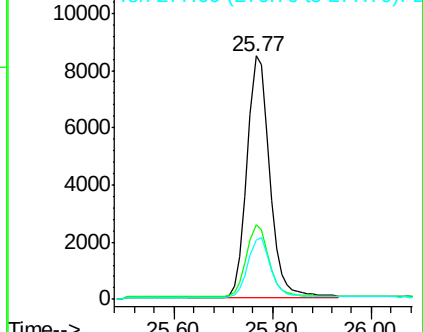
277 24.5 19.8 29.8



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: 25.79 min Scan# 1767

Delta R.T. -0.00 min

Lab File: BM003845.D

Acq: 29 Dec 2015 01:08

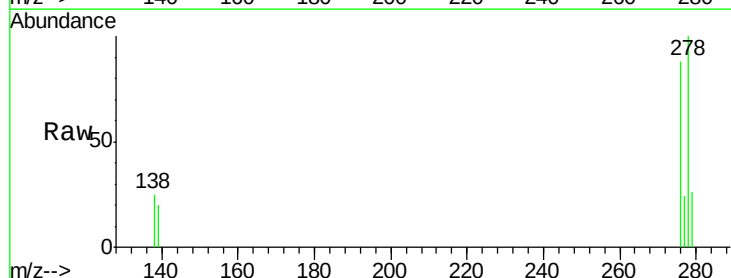
Tgt Ion:278 Resp: 20917

Ion Ratio Lower Upper

278 100

139 19.9 16.4 24.6

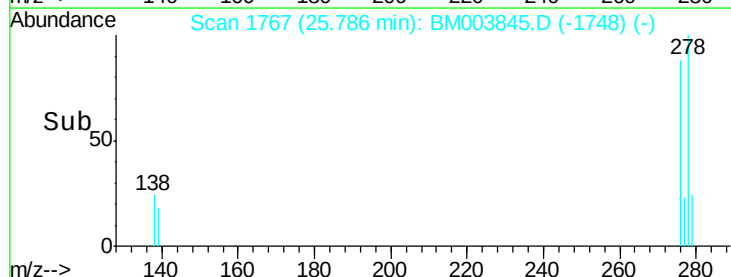
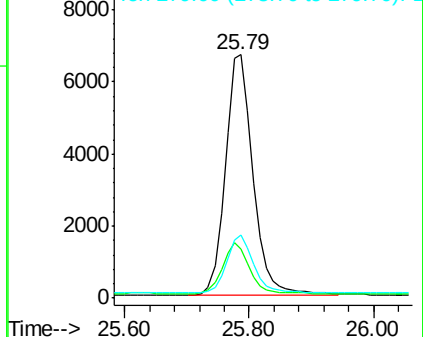
279 25.8 20.2 30.2

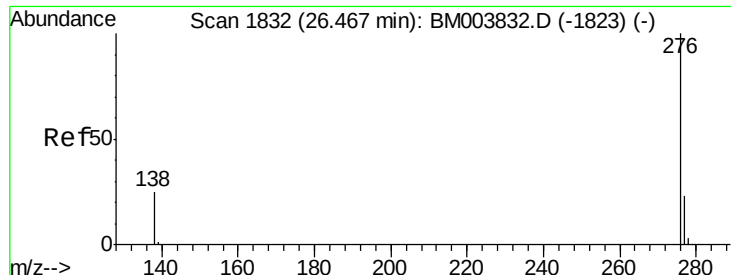


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.42 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BM003845.D

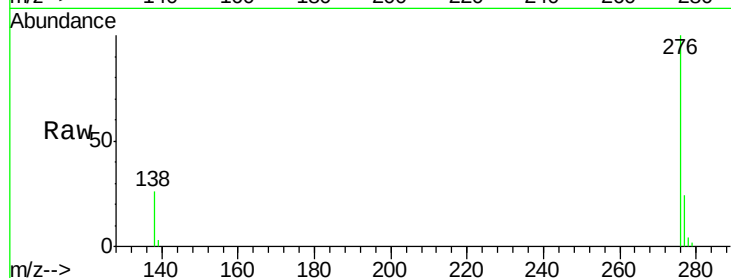
Acq: 29 Dec 2015 01:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.465



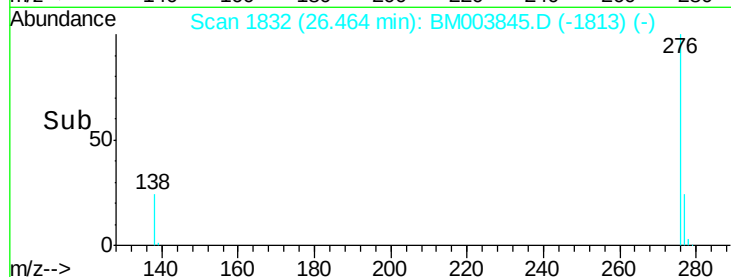
Tgt Ion: 276 Resp: 22664

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 25.5 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

