

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002969.D
 Acq On : 22 Oct 2015 04:14
 Operator : UM/IZ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.448

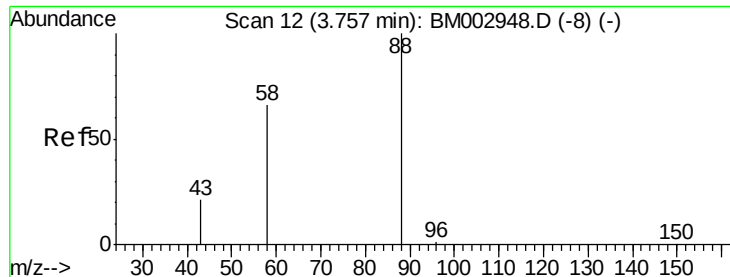
Quant Time: Oct 22 12:06:10 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 16:23:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5529	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.49	136	24757	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	13246	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.94	188	30694	0.40	ng/ul	-0.02
18) Chrysene-d12	22.03	240	25247	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	19482	0.40	ng/ul	-0.02

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	5330	0.90	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.03	152	15475	0.37	ng/ul	-0.02
16) Fluoranthene-d10	19.93	212	32993	0.40	ng/ul	0.00

Target Compounds				Qvalue		
3) 1,4-Dioxane	3.76	88	5981	0.89	ng/ul	98
5) Naphthalene	11.54	128	26109	0.40	ng/ul	99
7) 2-Methylnaphthalene	13.10	142	18836	0.41	ng/ul	98
9) Acenaphthylene	14.96	152	35425	0.47	ng/ul	98
10) Acenaphthene	15.28	153	20235	0.42	ng/ul	98
11) Fluorene	16.25	166	23052	0.40	ng/ul	99
13) Pentachlorophenol	17.61	266	1296	0.70	ng/ul	96
14) Phenanthrene	17.98	178	37206	0.39	ng/ul	96
15) Anthracene	18.08	178	37632	0.42	ng/ul	97
17) Fluoranthene	19.95	202	43130	0.38	ng/ul	92
19) Pyrene	20.30	202	44648	0.49	ng/ul	99
20) Benzo(a)anthracene	22.01	228	35595	0.43	ng/ul	95
21) Chrysene	22.06	228	33106	0.39	ng/ul	98
23) Benzo(b)fluoranthene	23.85	252	26081	0.38	ng/ul	79
24) Benzo(k)fluoranthene	23.85	252	26322	0.39	ng/ul#	80
25) Benzo(a)pyrene	24.48	252	26885	0.41	ng/ul#	78
26) Indeno(1,2,3-cd)pyrene	27.30	276	28743	0.40	ng/ul	95
27) Dibenzo(a,h)anthracene	27.29	278	23509	0.40	ng/ul#	86
28) Benzo(g,h,i)perylene	28.14	276	23909	0.40	ng/ul#	85

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



#3

1,4-Dioxane

Concen: 0.89 ng/ul

RT: 3.76 min Scan# 12

Delta R.T. -0.00 min

Lab File: BM002969.D

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SSTD0.448

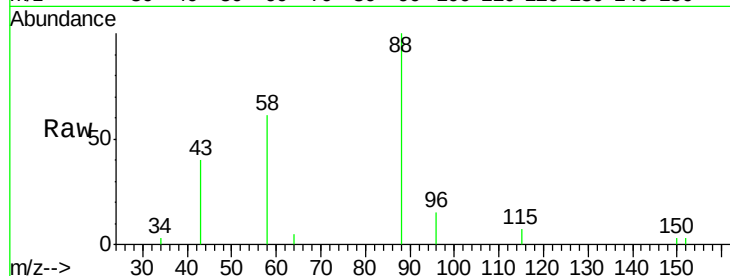
Tgt Ion: 88 Resp: 5981

Ion Ratio Lower Upper

88 100

58 69.4 55.4 83.2

43 32.8 24.2 36.2

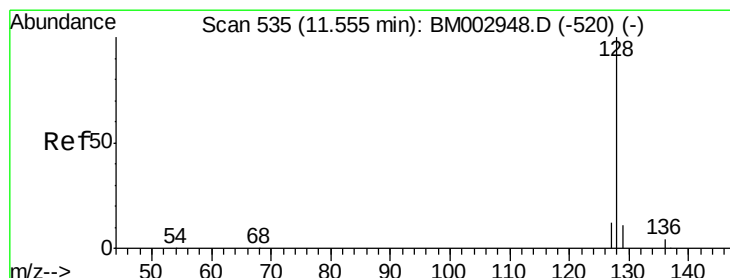
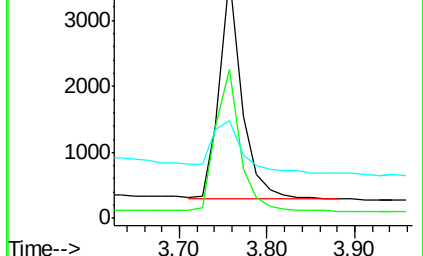
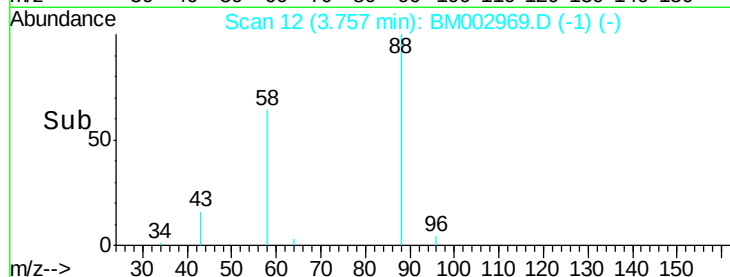


Abundance Ion 88.00 (87.70 to 88.70): BM002948.D (-8) (-)

Ion 58.00 (57.70 to 58.70): BM002948.D (-8) (-)

Ion 43.00 (42.70 to 43.70): BM002948.D (-8) (-)

Time-->



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

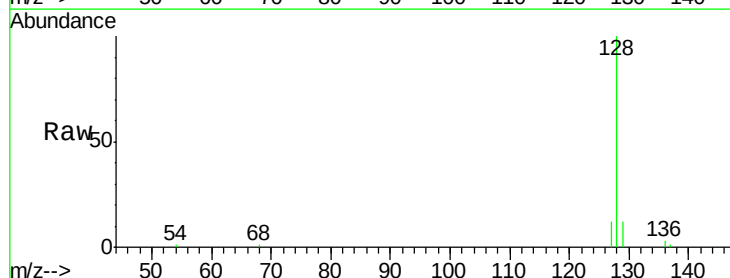
Tgt Ion: 128 Resp: 26109

Ion Ratio Lower Upper

128 100

129 12.1 9.8 14.8

127 12.5 10.7 16.1

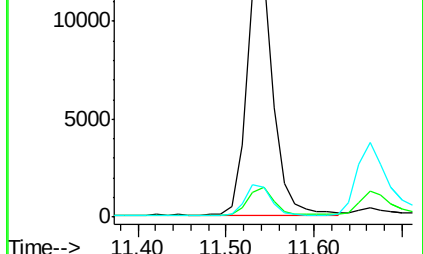
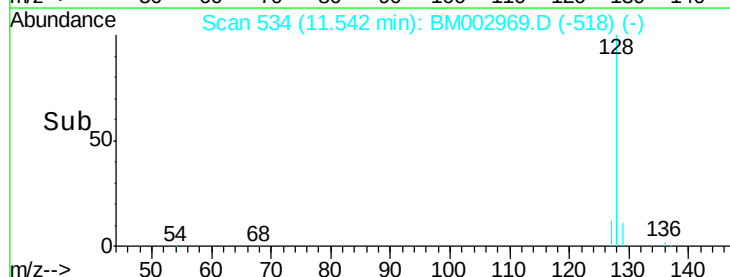


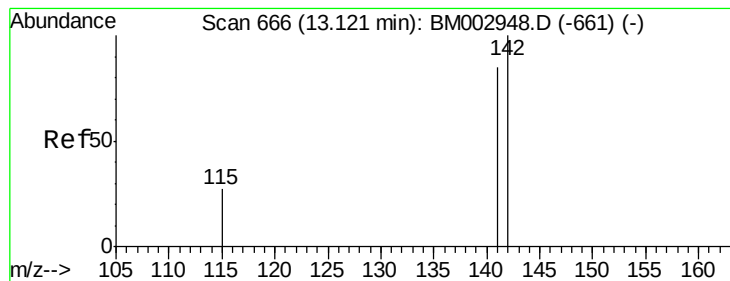
Abundance Ion 128.00 (127.70 to 128.70): BM002969.D (-518) (-)

Ion 129.00 (128.70 to 129.70): BM002969.D (-518) (-)

Ion 127.00 (126.70 to 127.70): BM002969.D (-518) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 13.10 min Scan# 664

Delta R.T. -0.02 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

Instrument :

BNA_M

ClientSampleId :

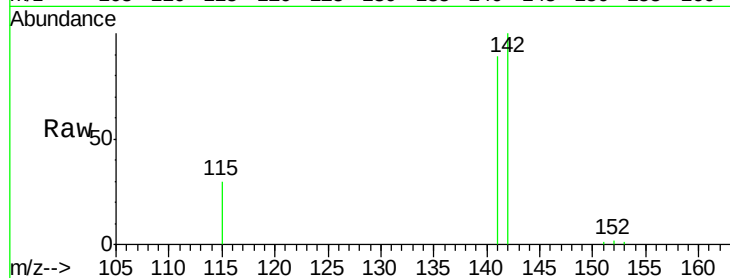
SSTD0.448

Tgt Ion:142 Resp: 18836

Ion Ratio Lower Upper

142 100

141 90.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12000

10000

8000

6000

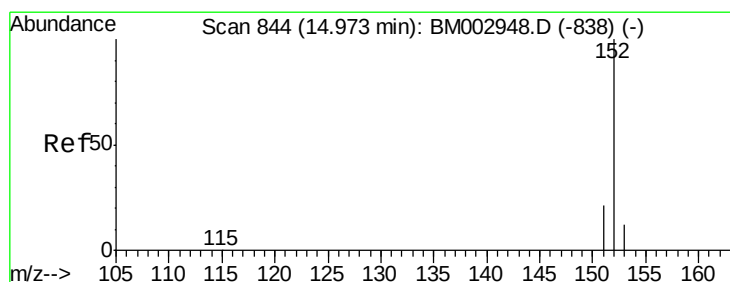
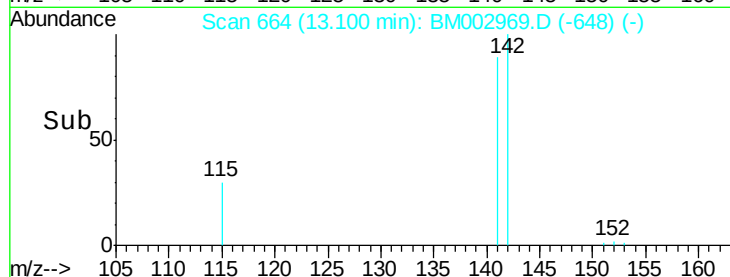
4000

2000

0

13.00 13.10 13.20 13.30

Time-->



#9

Acenaphthylene

Concen: 0.47 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.01 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

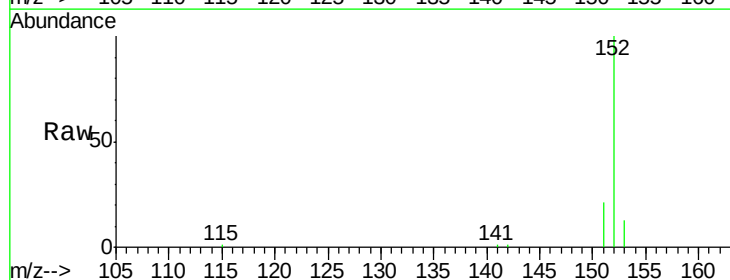
Tgt Ion:152 Resp: 35425

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

153 13.0 11.3 16.9



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

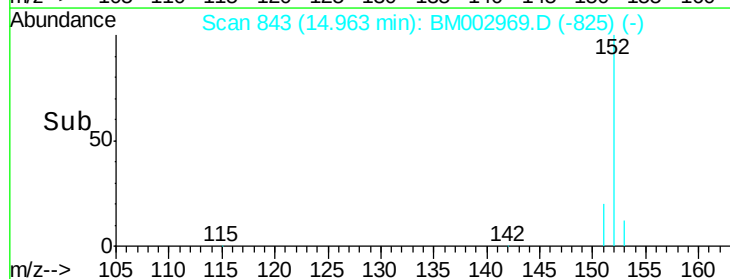
10000

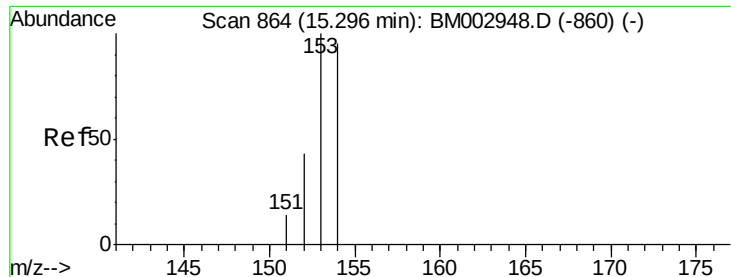
5000

0

14.80 14.90 15.00 15.10

Time-->





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.02 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.448

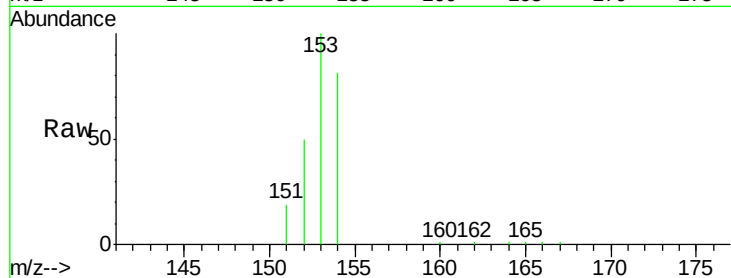
Tgt Ion:153 Resp: 20235

Ion Ratio Lower Upper

153 100

152 50.1 42.3 63.5

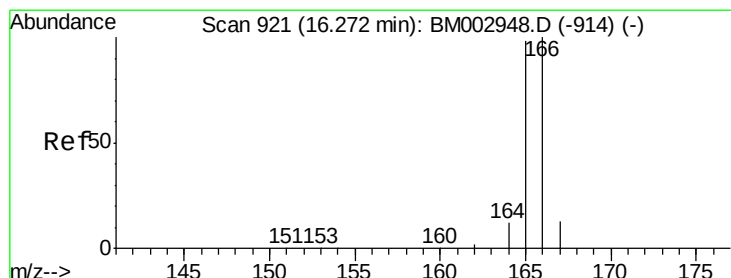
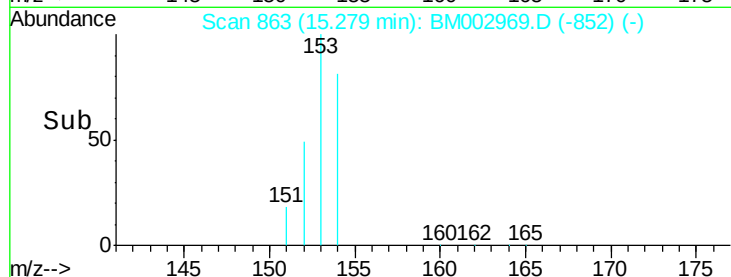
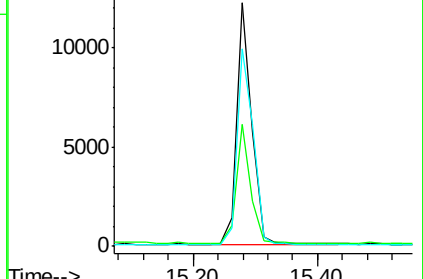
154 81.1 64.7 97.1



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 0.40 ng/ul

RT: 16.25 min Scan# 920

Delta R.T. -0.02 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

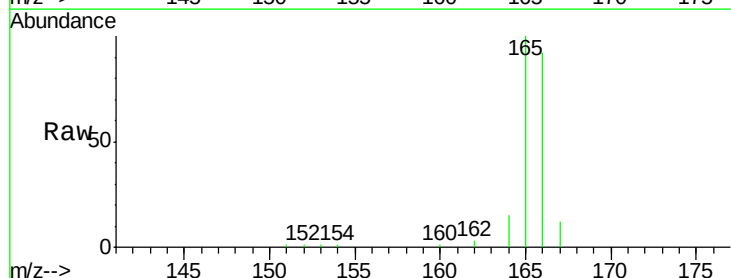
Tgt Ion:166 Resp: 23052

Ion Ratio Lower Upper

166 100

165 109.1 87.6 131.4

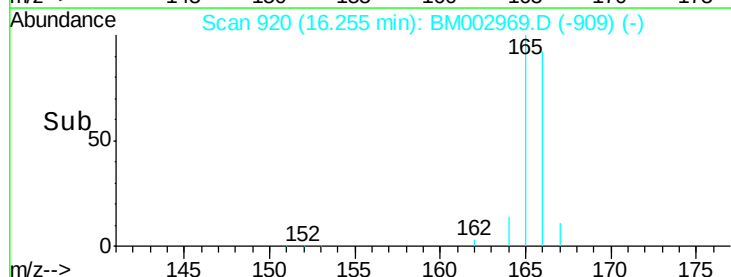
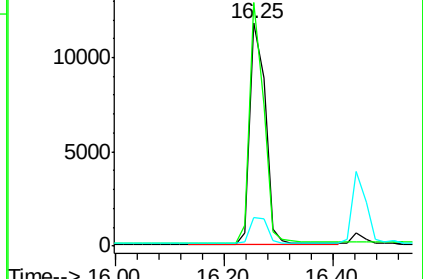
167 12.9 11.1 16.7

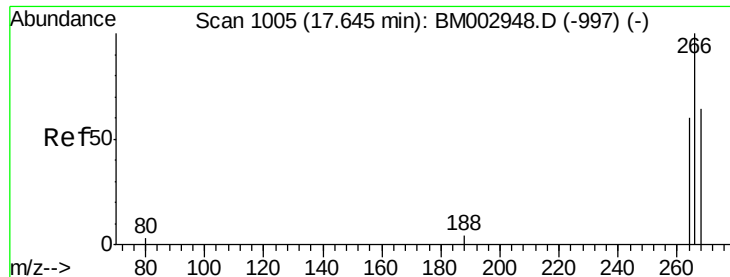


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

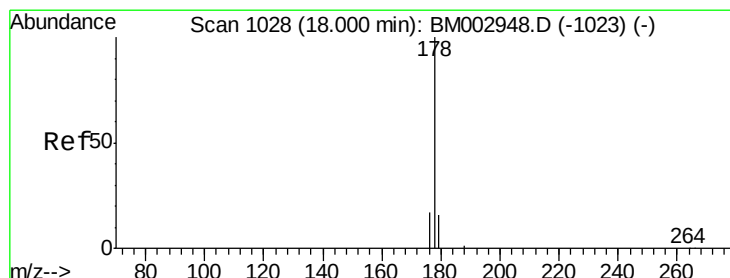
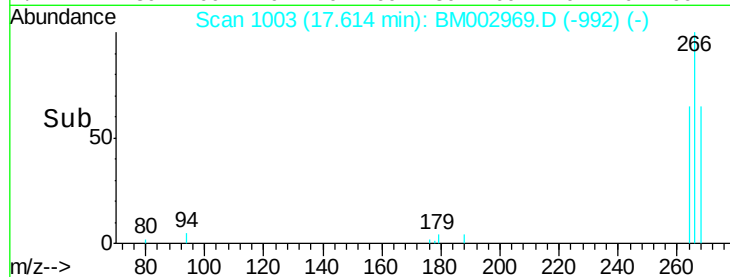
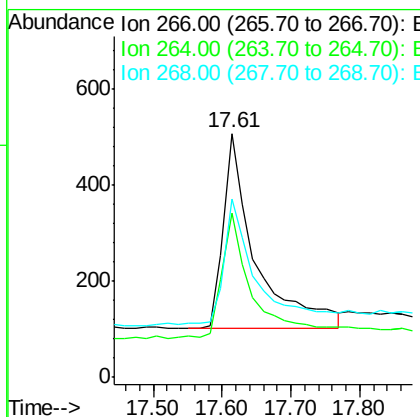
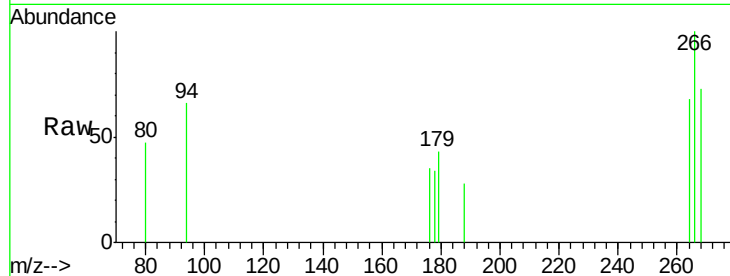




#13
 Pentachlorophenol
 Concen: 0.70 ng/ul
 RT: 17.61 min Scan# 1003
 Delta R.T. -0.03 min
 Lab File: BM002969.D
 Acq: 22 Oct 2015 04:14

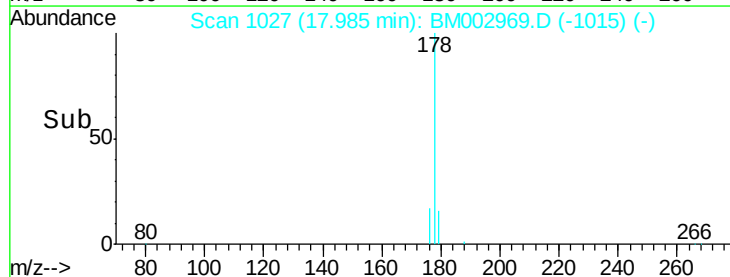
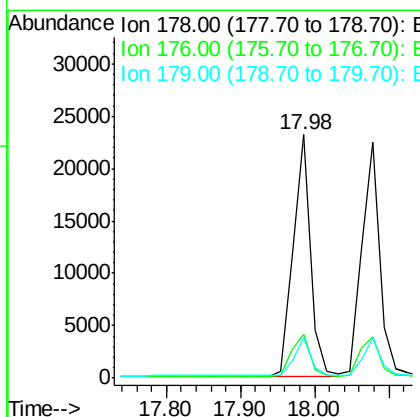
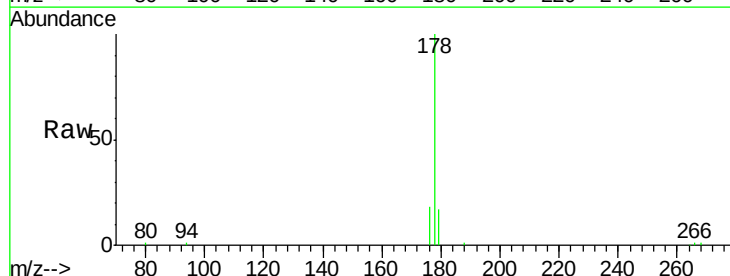
Instrument :
 BNA_M
 ClientSampleId :
 SST0.448

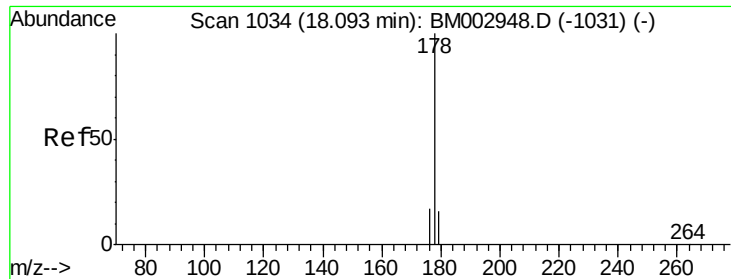
Tgt Ion: 266 Resp: 1296
 Ion Ratio Lower Upper
 266 100
 264 63.1 53.5 80.3
 268 70.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 17.98 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BM002969.D
 Acq: 22 Oct 2015 04:14

Tgt Ion: 178 Resp: 37206
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.2 24.4
 179 16.7 12.8 19.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.448

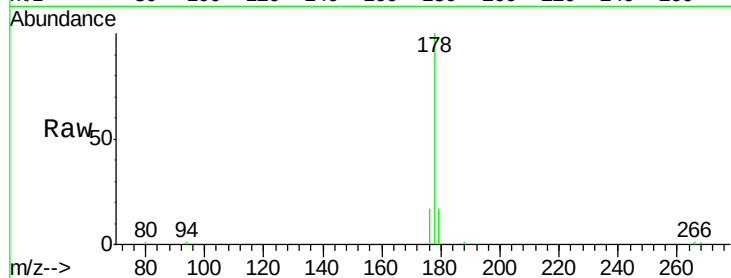
Tgt Ion:178 Resp: 37632

Ion Ratio Lower Upper

178 100

176 17.4 15.8 23.8

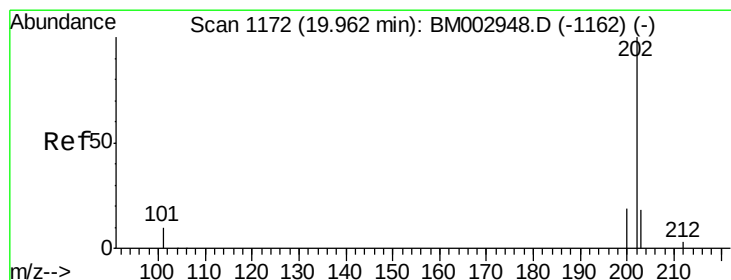
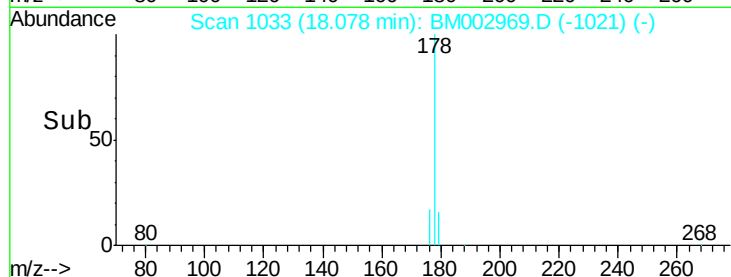
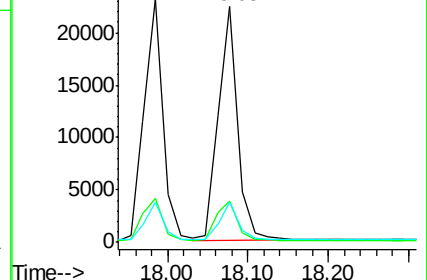
179 17.0 13.3 19.9



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: 0.38 ng/ul

RT: 19.95 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

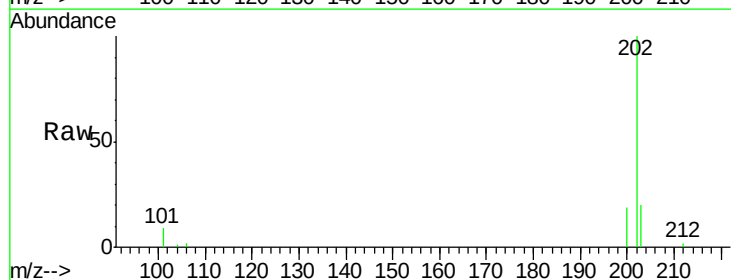
Tgt Ion:202 Resp: 43130

Ion Ratio Lower Upper

202 100

101 9.3 0.0 33.1

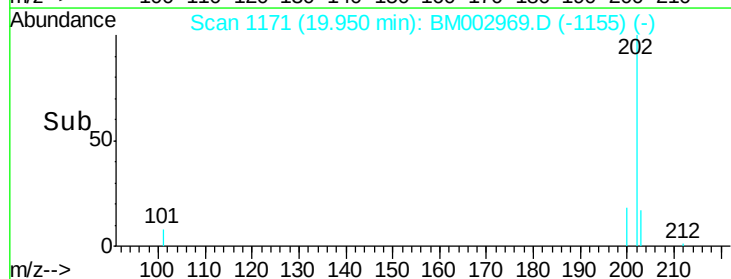
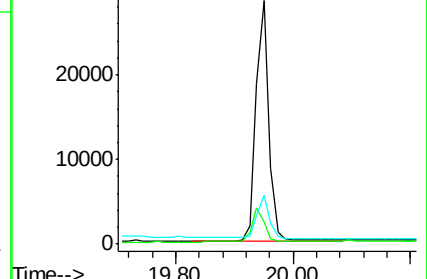
203 20.1 0.0 37.2

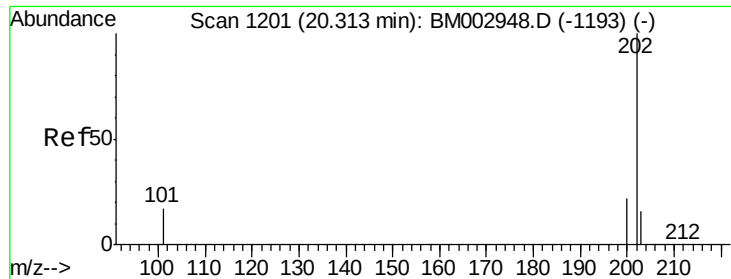


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

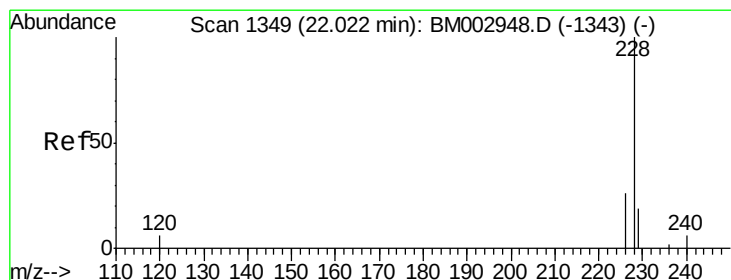
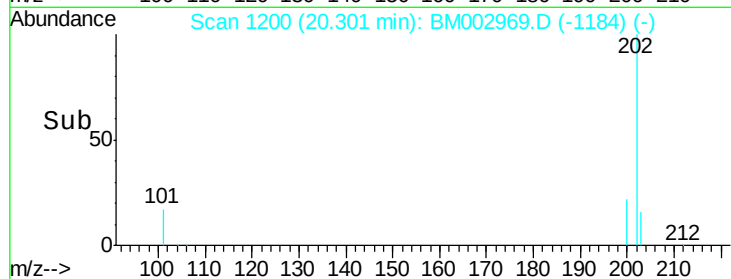
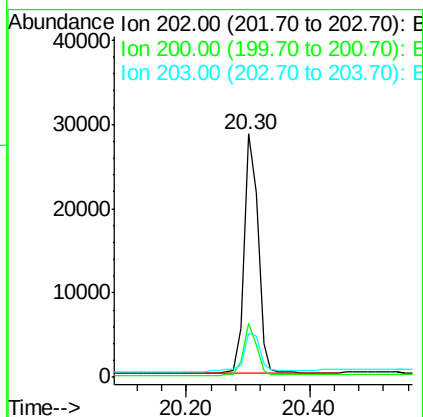
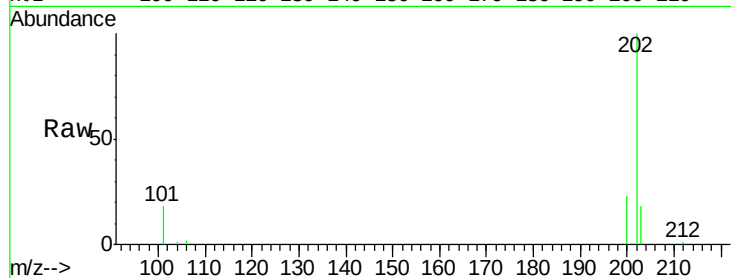




#19
Pyrene
Concen: 0.49 ng/ul
RT: 20.30 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM002969.D
Acq: 22 Oct 2015 04:14

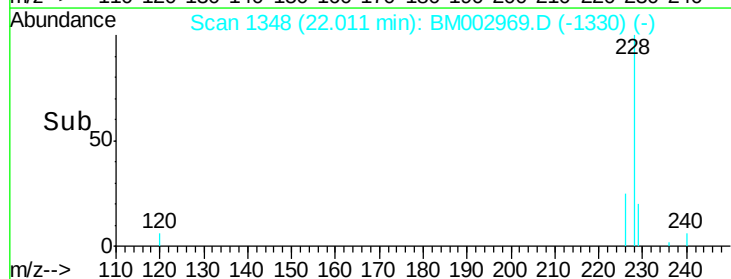
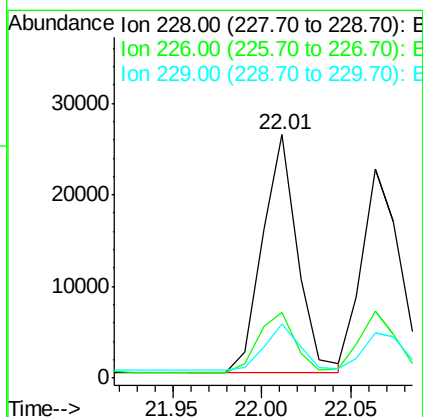
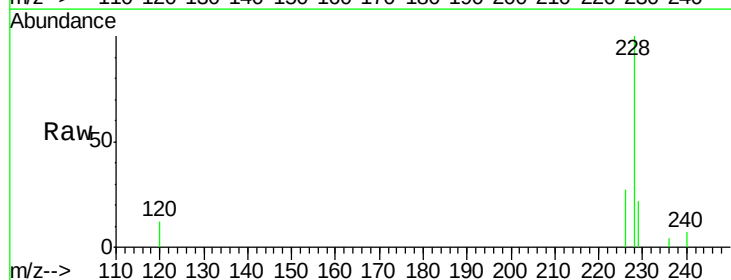
Instrument :
BNA_M
ClientSampleId :
SSTD0.448

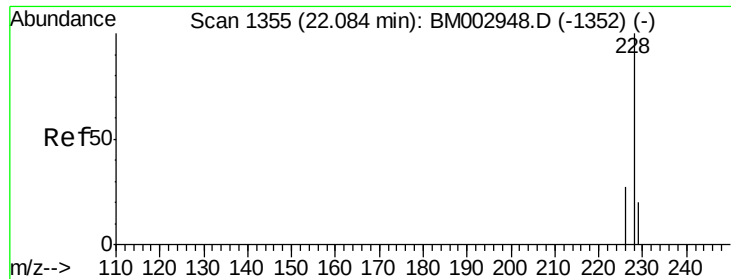
Tgt Ion:202 Resp: 44648
Ion Ratio Lower Upper
202 100
200 22.5 18.0 27.0
203 17.8 13.8 20.6



#20
Benzo(a)anthracene
Concen: 0.43 ng/ul
RT: 22.01 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BM002969.D
Acq: 22 Oct 2015 04:14

Tgt Ion:228 Resp: 35595
Ion Ratio Lower Upper
228 100
226 27.1 23.0 34.4
229 22.5 15.2 22.8





#21

Chrysene

Concen: 0.39 ng/ul

RT: 22.06 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.448

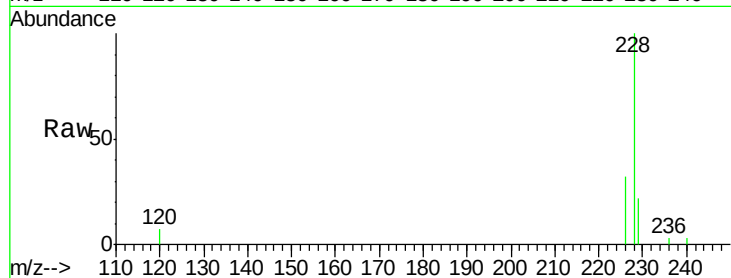
Tgt Ion:228 Resp: 33106

Ion Ratio Lower Upper

228 100

226 32.3 25.7 38.5

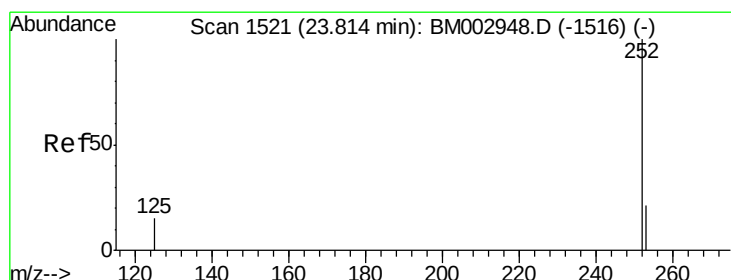
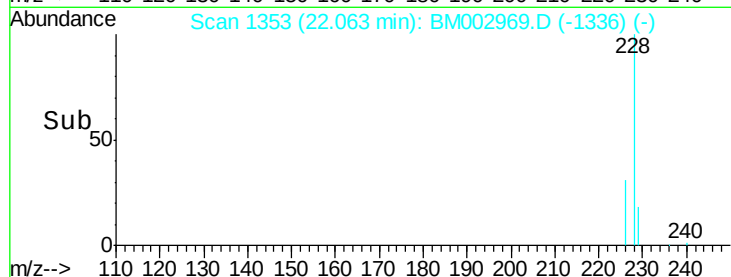
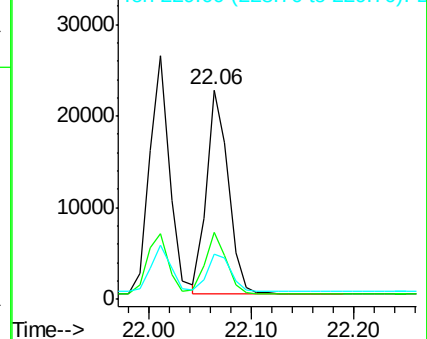
229 21.6 15.2 22.8



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: 0.38 ng/ul

RT: 23.85 min Scan# 1524

Delta R.T. 0.03 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

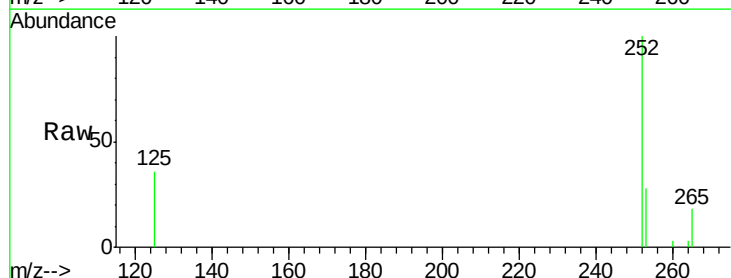
Tgt Ion:252 Resp: 26081

Ion Ratio Lower Upper

252 100

253 27.7 0.0 48.0

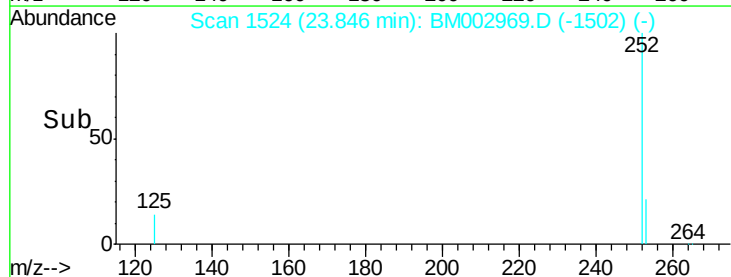
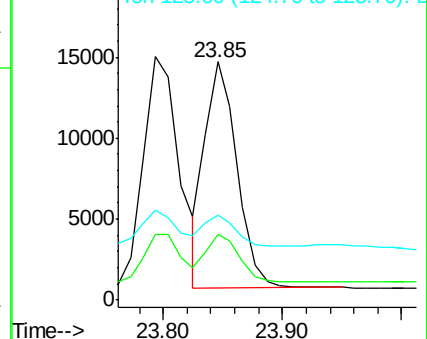
125 35.9 0.0 36.6

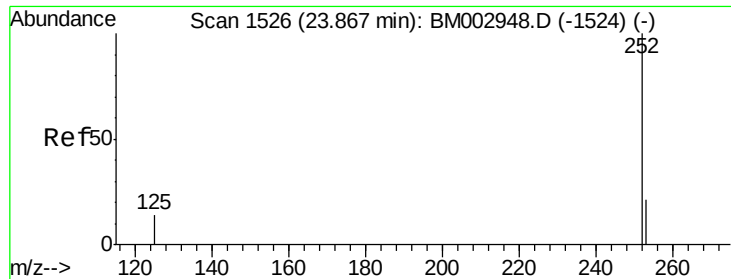


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 23.85 min Scan# 1524

Delta R.T. -0.02 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.448

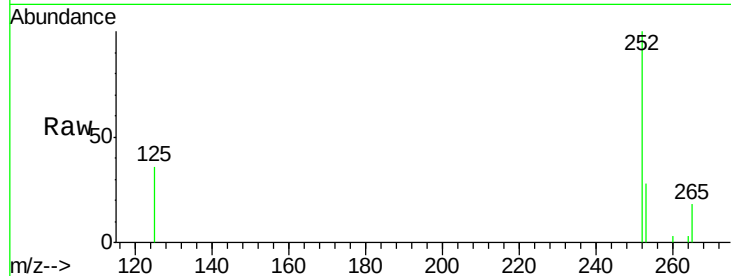
Tgt Ion:252 Resp: 26322

Ion Ratio Lower Upper

252 100

253 27.7 20.8 31.2

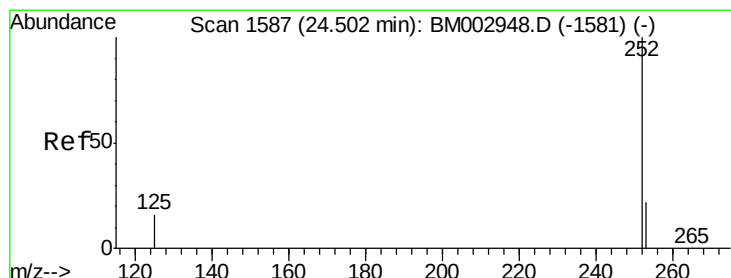
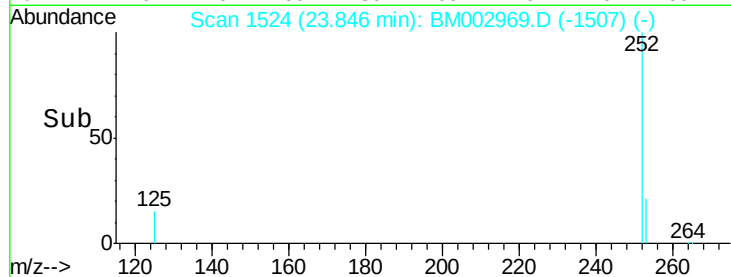
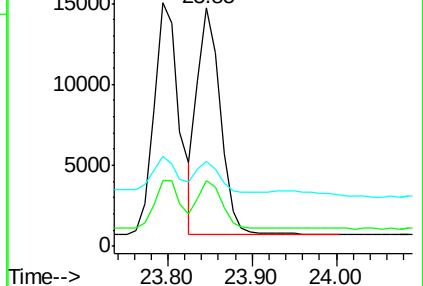
125 35.9 12.2 18.4#



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: 0.41 ng/ul

RT: 24.48 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

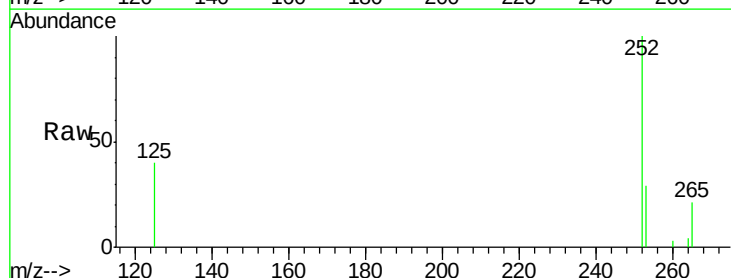
Tgt Ion:252 Resp: 26885

Ion Ratio Lower Upper

252 100

253 29.0 21.8 32.8

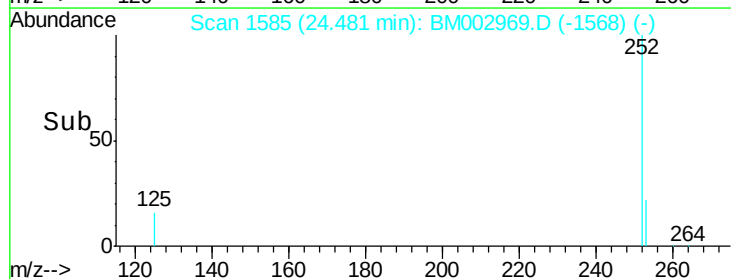
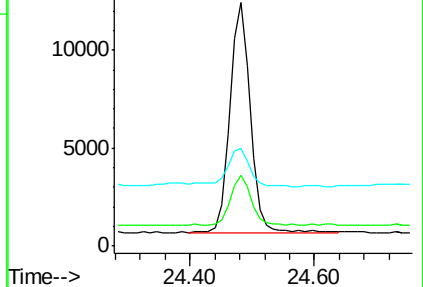
125 39.9 14.5 21.7#

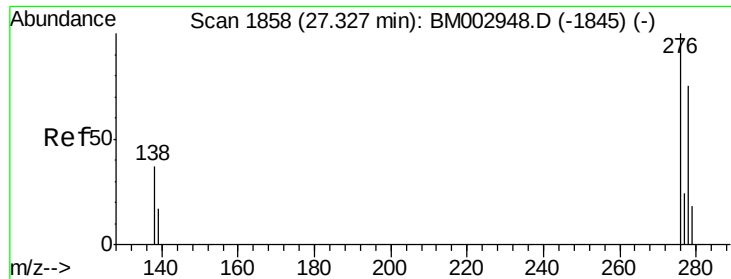


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.40 ng/ul

RT: 27.30 min Scan# 1855

Delta R.T. -0.03 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.448

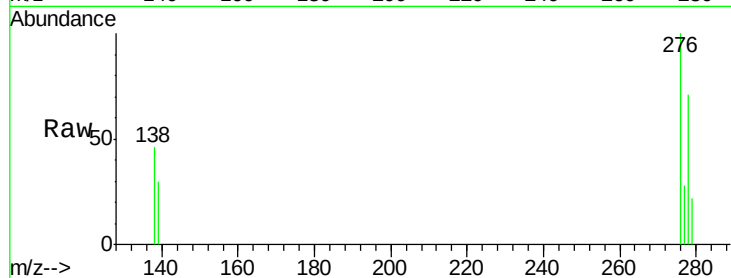
Tgt Ion:276 Resp: 28743

Ion Ratio Lower Upper

276 100

138 38.4 27.5 41.3

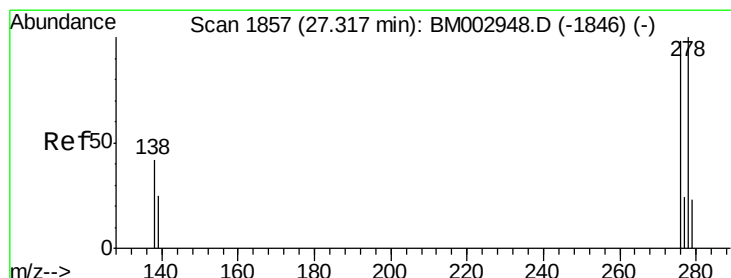
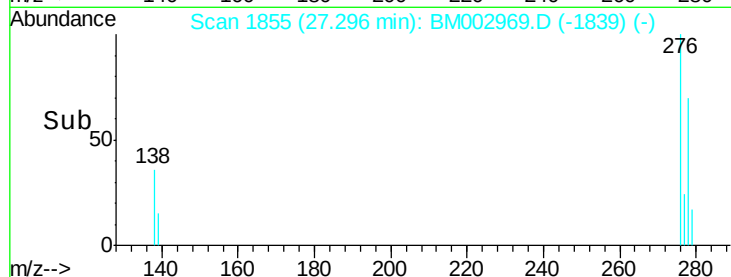
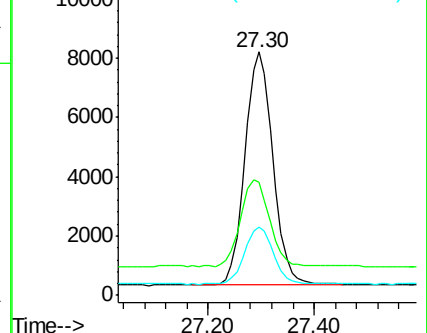
277 25.4 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.40 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. -0.03 min

Lab File: BM002969.D

Acq: 22 Oct 2015 04:14

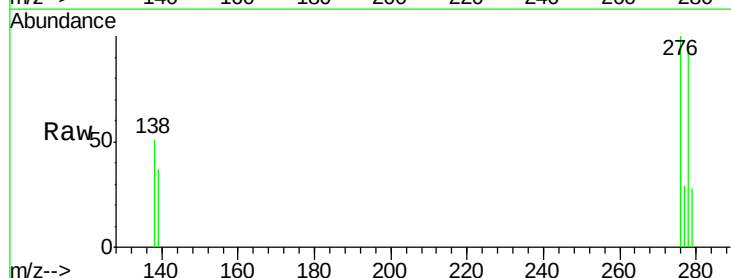
Tgt Ion:278 Resp: 23509

Ion Ratio Lower Upper

278 100

139 39.4 21.7 32.5#

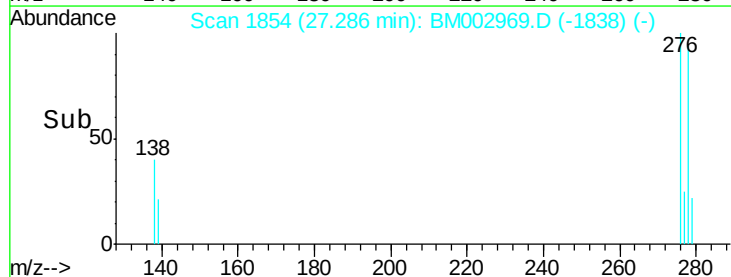
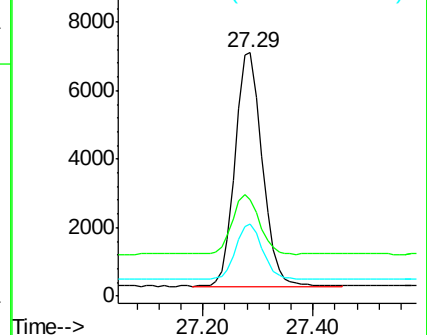
279 29.5 21.9 32.9

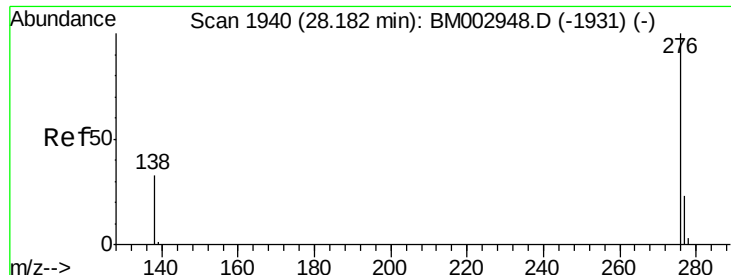


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.40 ng/ul

RT: 28.14 min Scan# 1936

Delta R.T. -0.04 min

Lab File: BM002969.D

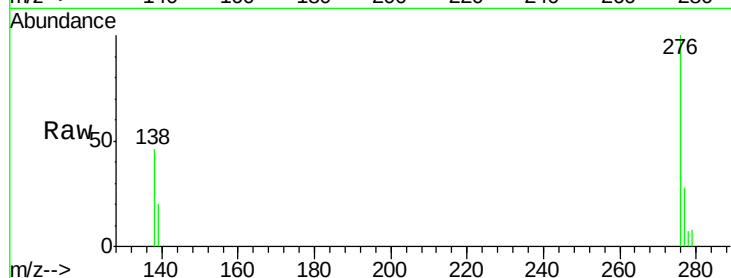
Acq: 22 Oct 2015 04:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.448



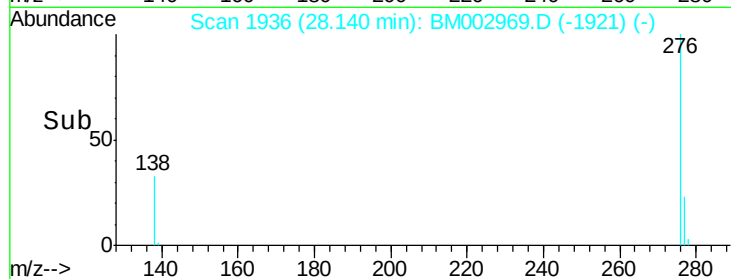
Tgt Ion: 276 Resp: 23909

Ion Ratio Lower Upper

276 100

277 28.1 21.3 31.9

138 46.2 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

