

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030315\
 Data File : BM000630.D
 Acq On : 03 Mar 2015 23:55
 Operator : TP/IZ
 Sample : SSTD0.442
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.442

Quant Time: Mar 04 03:47:45 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 02:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	6661	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	23836	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	10631	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	23403	0.40	ng/ul	0.02
18) Chrysene-d12	21.25	240	13889	0.40	ng/ul	-0.01
22) Perylene-d12	23.46	264	11877	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	2996	0.62	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.04	152	3055	0.10	ng/ul	0.00
16) Fluoranthene-d10	19.10	212	4225	0.10	ng/ul	0.01

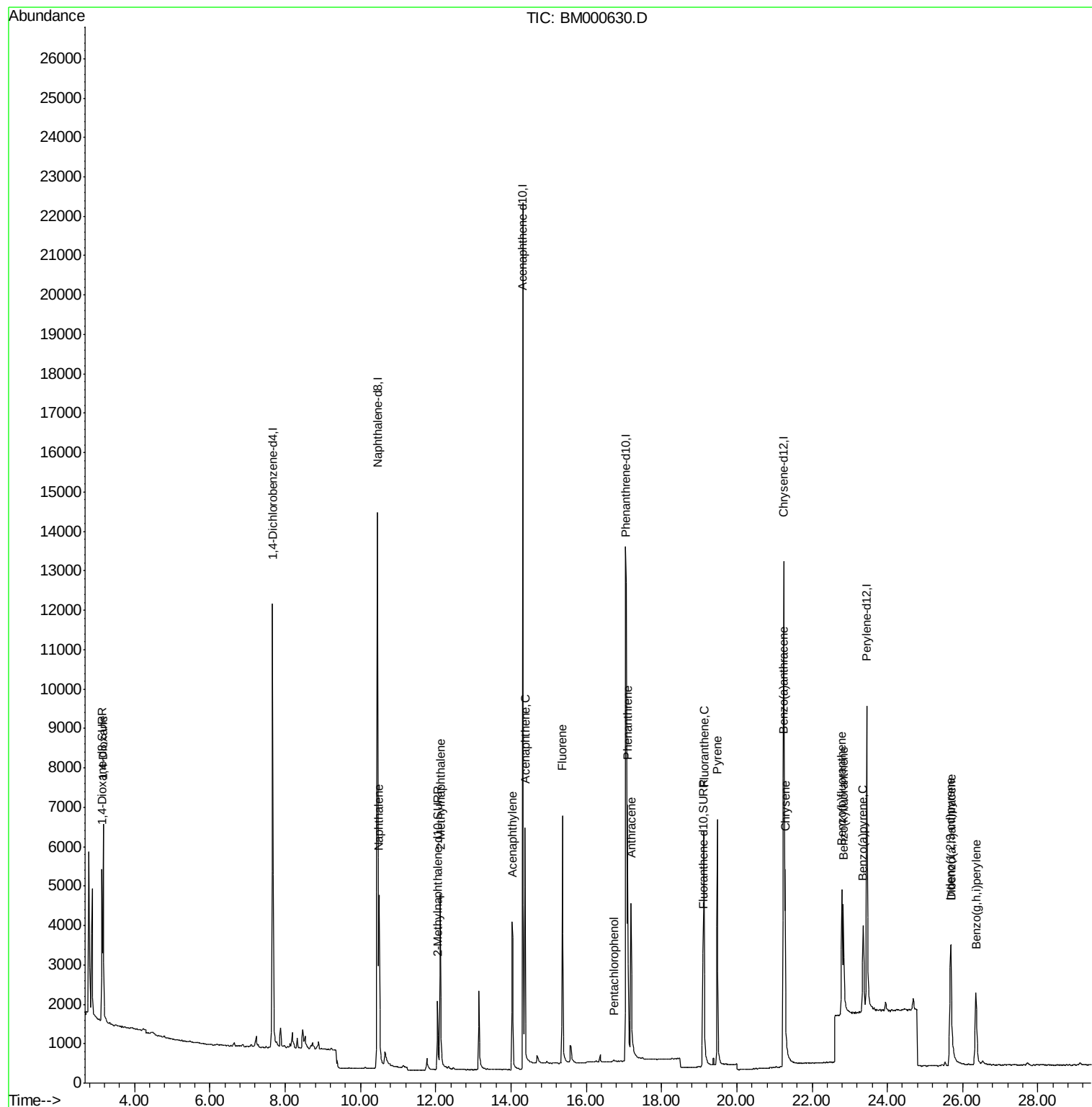
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	5046	0.67	ng/ul#	85
5) Naphthalene	10.49	128	6454	0.10	ng/ul	98
7) 2-Methylnaphthalene	12.12	142	4208	0.10	ng/ul	99
9) Acenaphthylene	14.03	152	5380	0.10	ng/ul	97
10) Acenaphthene	14.38	153	4501	0.11	ng/ul	98
11) Fluorene	15.36	166	4935	0.10	ng/ul	95
13) Pentachlorophenol	16.72	266	77	0.04	ng/ul	94
14) Phenanthrene	17.10	178	7021	0.10	ng/ul	97
15) Anthracene	17.19	178	6014	0.10	ng/ul	95
17) Fluoranthene	19.12	202	6687	0.10	ng/ul	98
19) Pyrene	19.49	202	6823	0.11	ng/ul	97
20) Benzo(a)anthracene	21.24	228	4091	0.10	ng/ul	98
21) Chrysene	21.29	228	5382	0.11	ng/ul	97
23) Benzo(b)fluoranthene	22.79	252	4162	0.10	ng/ul	84
24) Benzo(k)fluoranthene	22.83	252	4979	0.11	ng/ul#	81
25) Benzo(a)pyrene	23.35	252	3936	0.10	ng/ul#	76
26) Indeno(1,2,3-cd)pyrene	25.68	276	4764	0.11	ng/ul	99
27) Dibenzo(a,h)anthracene	25.69	278	3766	0.11	ng/ul#	86
28) Benzo(g,h,i)perylene	26.36	276	4331	0.12	ng/ul	95

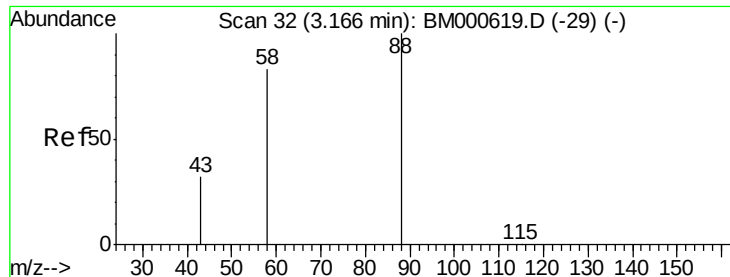
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.67 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

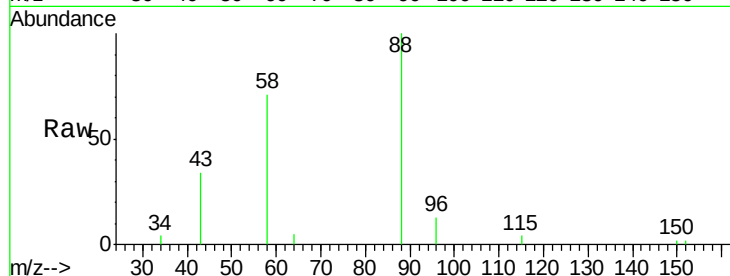
Tgt Ion: 88 Resp: 5046

Ion Ratio Lower Upper

88 100

58 55.9 55.4 83.2

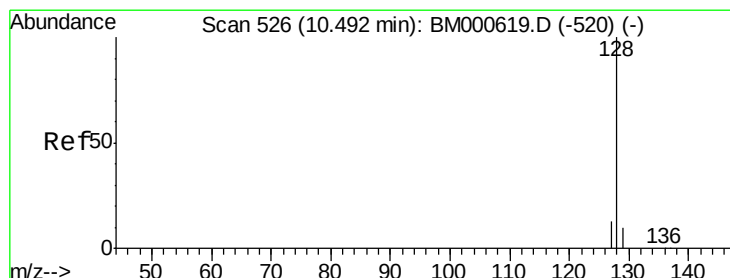
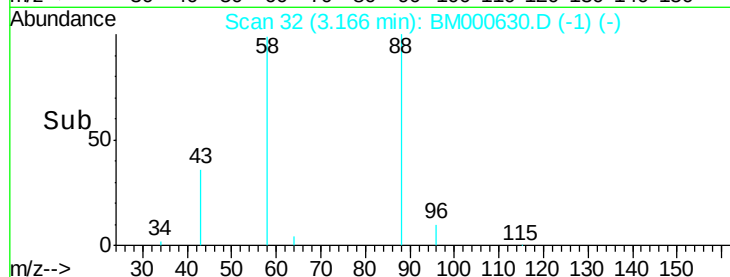
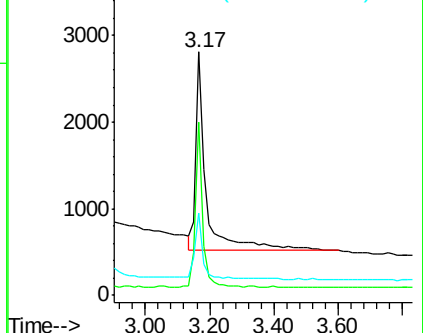
43 24.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000630.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000630.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000630.D (-1) (-)



#5

Naphthalene

Concen: 0.10 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

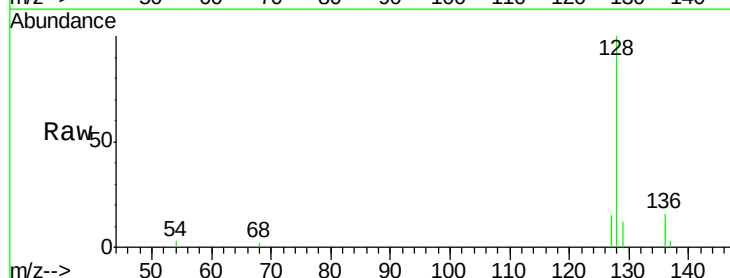
Tgt Ion: 128 Resp: 6454

Ion Ratio Lower Upper

128 100

129 11.7 8.5 12.7

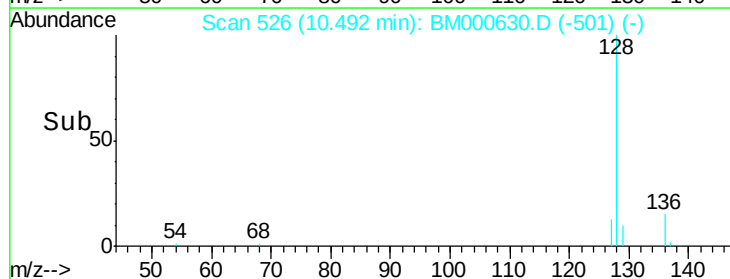
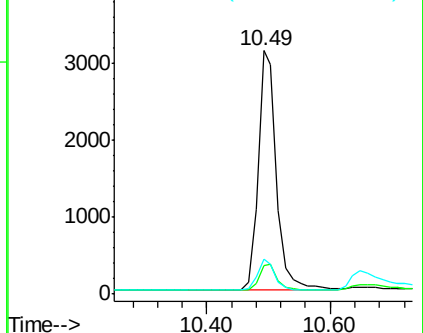
127 14.6 11.0 16.6

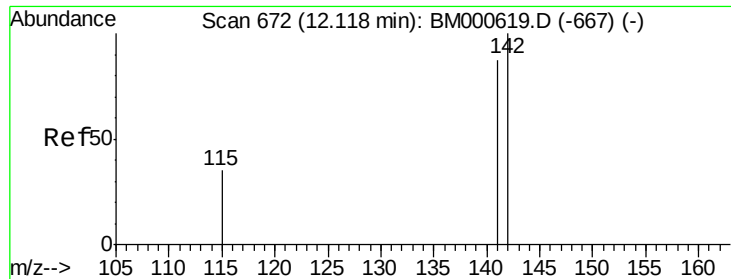


Abundance Ion 128.00 (127.70 to 128.70): BM000630.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000630.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000630.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

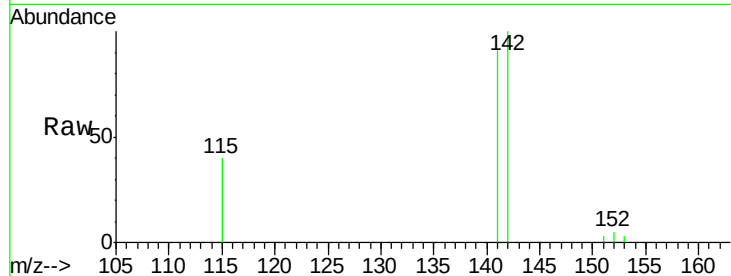
SSTD0.442

Tgt Ion:142 Resp: 4208

Ion Ratio Lower Upper

142 100

141 88.9 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

2000

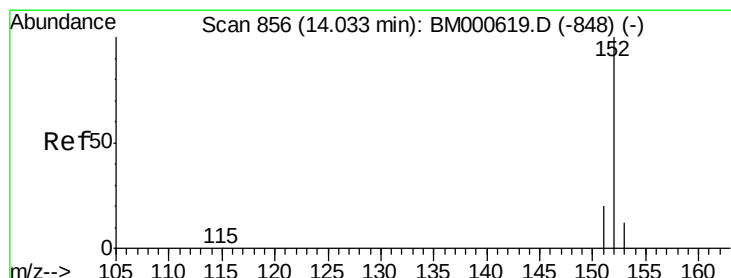
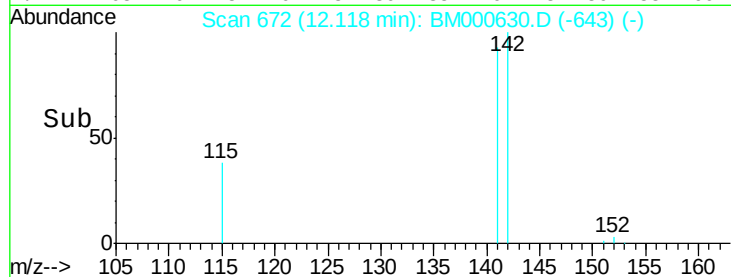
1500

1000

500

0

Time--> 12.00 12.10 12.20 12.30



#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

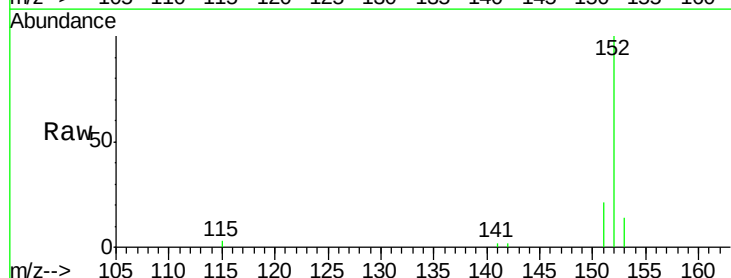
Tgt Ion:152 Resp: 5380

Ion Ratio Lower Upper

152 100

151 21.2 16.0 24.0

153 14.1 10.2 15.4



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

14.03

4000

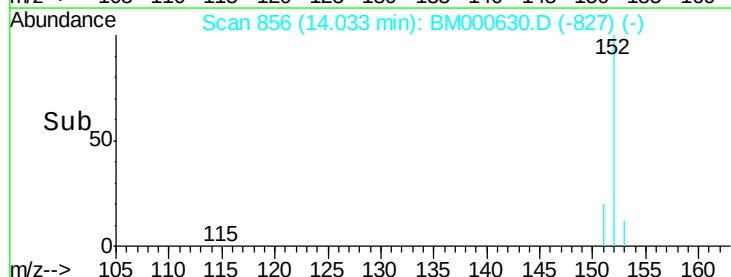
3000

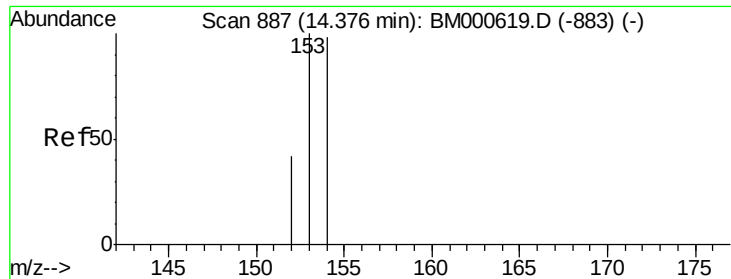
2000

1000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

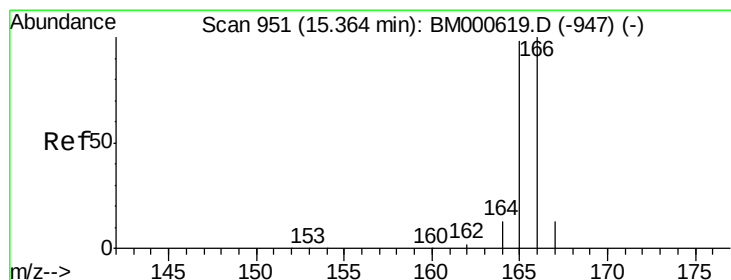
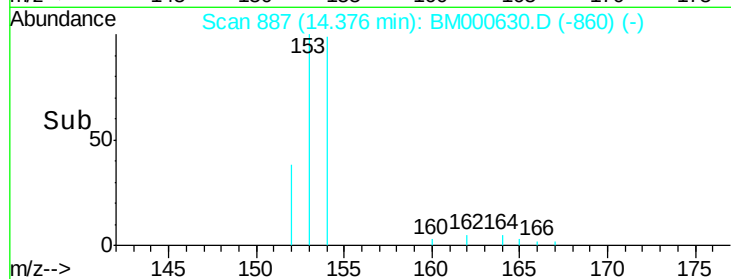
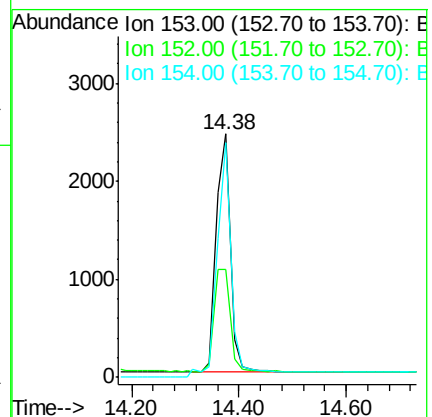
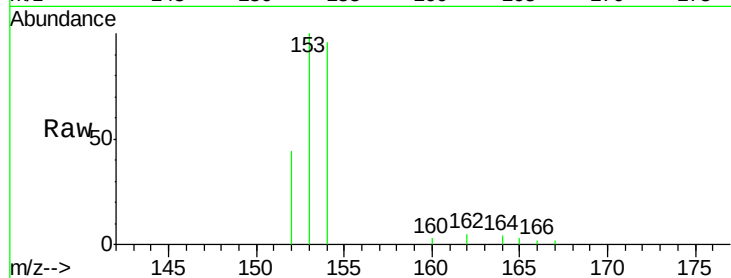
Tgt Ion:153 Resp: 4501

Ion Ratio Lower Upper

153 100

152 44.3 34.2 51.2

154 96.3 78.8 118.2



#11

Fluorene

Concen: 0.10 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

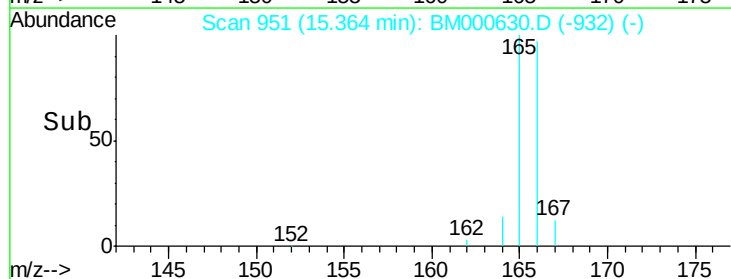
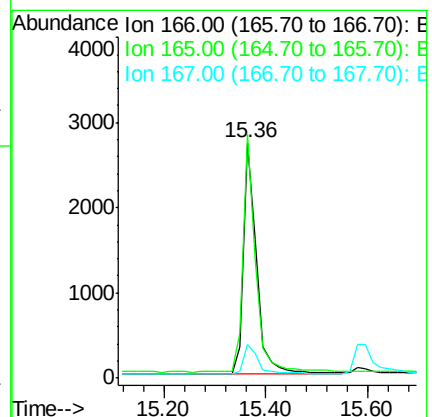
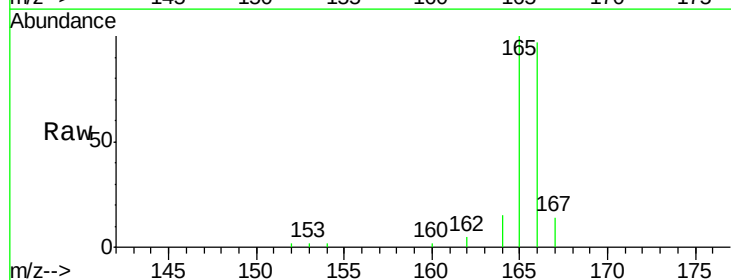
Tgt Ion:166 Resp: 4935

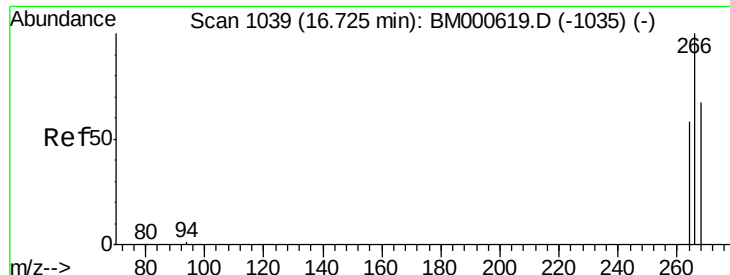
Ion Ratio Lower Upper

166 100

165 103.6 78.5 117.7

167 14.2 10.6 16.0





#13

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.72 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

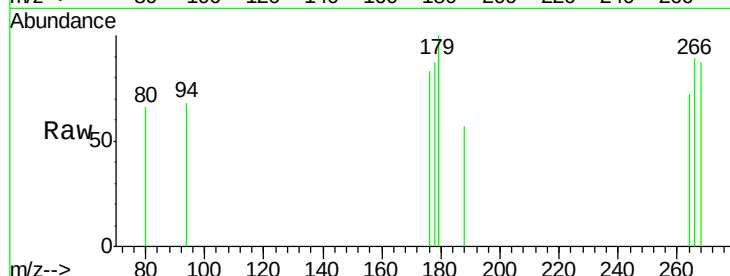
Tgt Ion: 266 Resp: 77

Ion Ratio Lower Upper

266 100

264 70.1 51.0 76.4

268 58.4 49.4 74.2



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

100

80

60

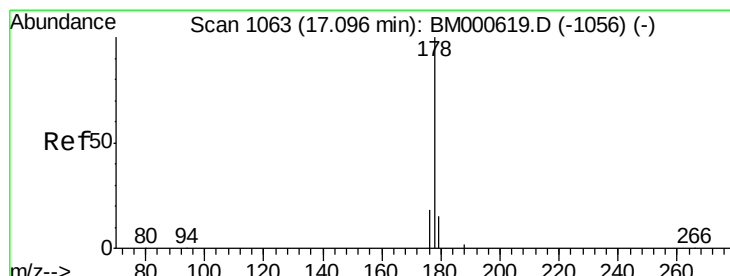
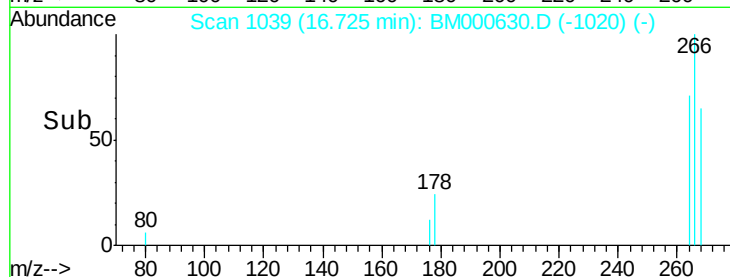
40

20

0

16.60 16.70 16.80

Time-->



#14

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

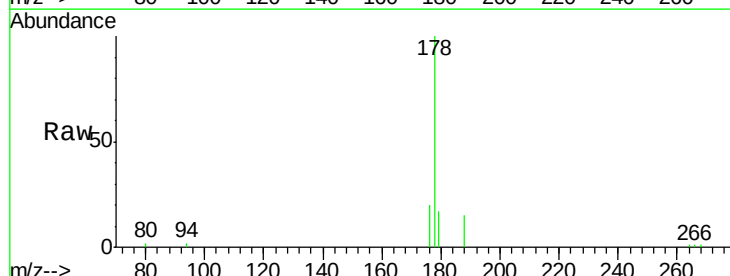
Tgt Ion: 178 Resp: 7021

Ion Ratio Lower Upper

178 100

176 20.1 14.8 22.2

179 16.7 12.7 19.1



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

6000

5000

4000

3000

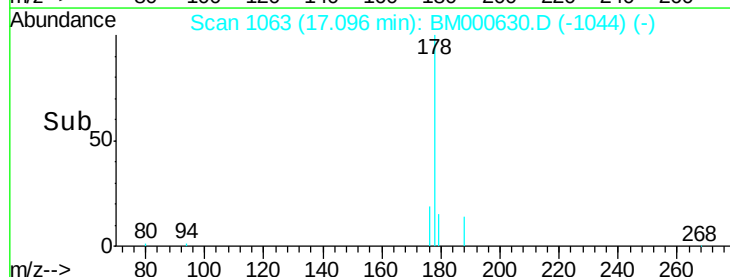
2000

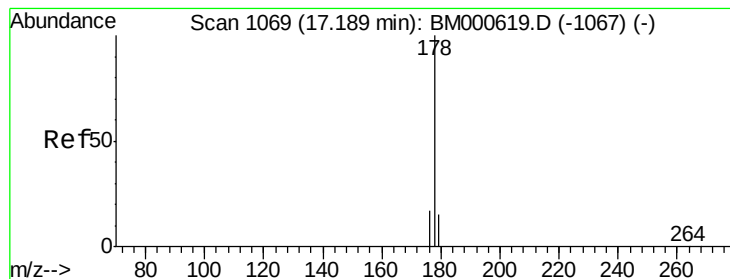
1000

0

17.00 17.10 17.20

Time-->





#15

Anthracene

Concen: 0.10 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

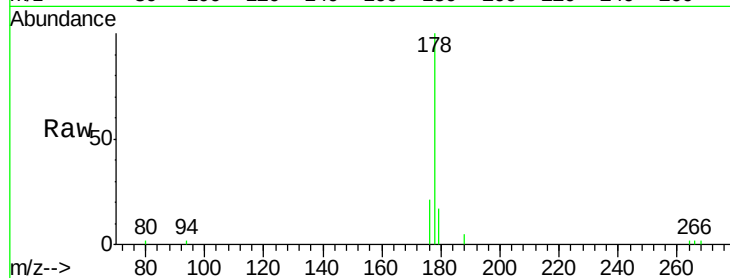
Tgt Ion:178 Resp: 6014

Ion Ratio Lower Upper

178 100

176 20.8 14.2 21.4

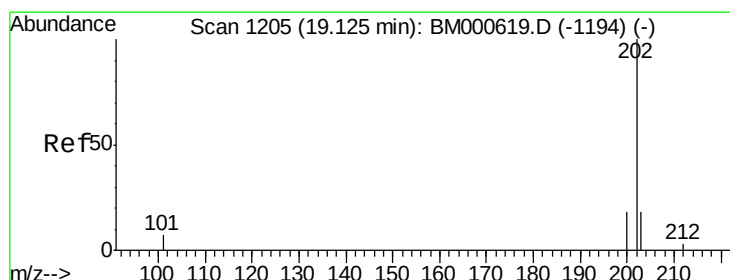
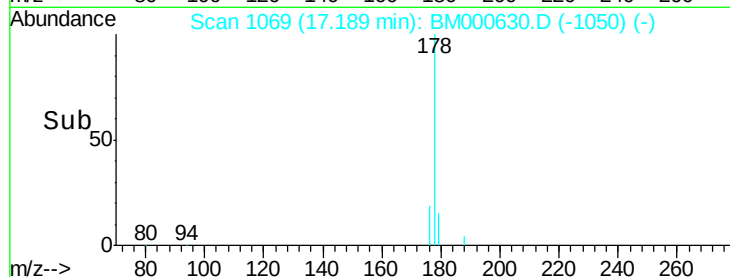
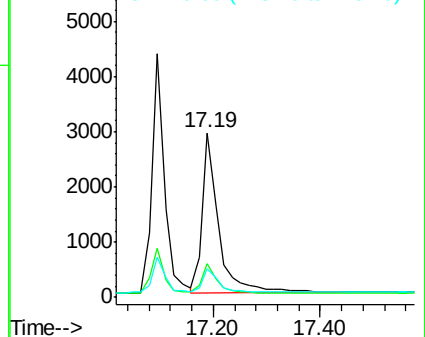
179 17.2 12.8 19.2



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



#17

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

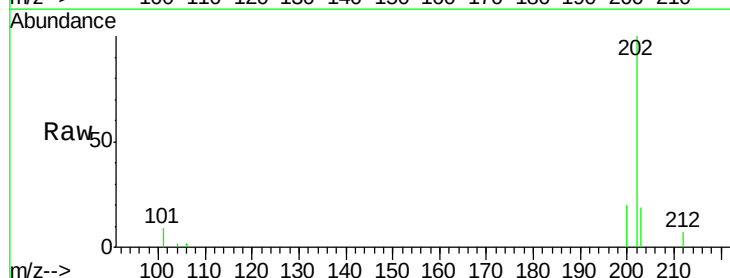
Tgt Ion:202 Resp: 6687

Ion Ratio Lower Upper

202 100

101 9.3 0.0 27.0

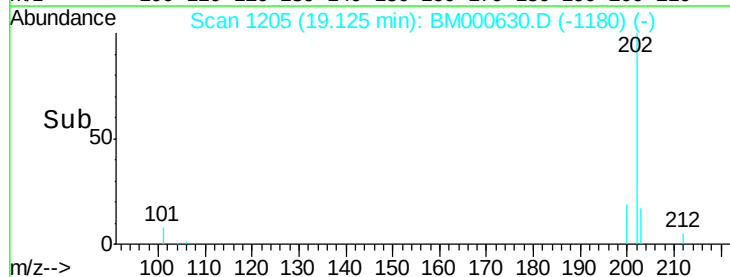
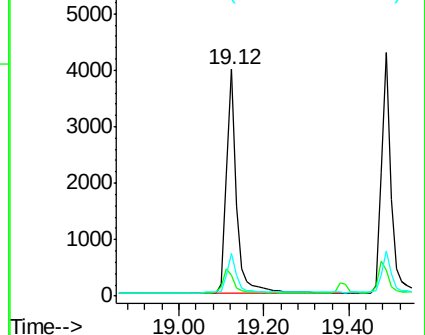
203 18.6 0.0 38.5

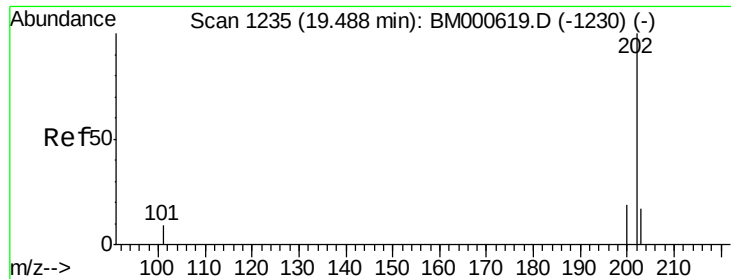


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.11 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

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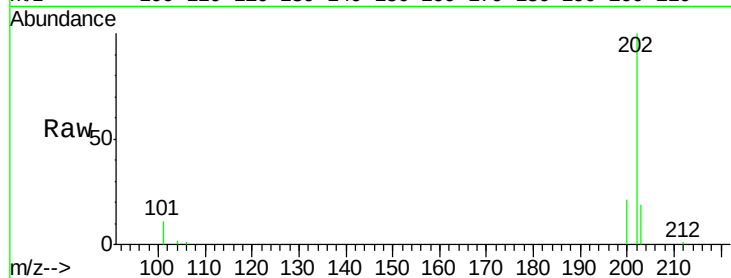
Tgt Ion:202 Resp: 6823

Ion Ratio Lower Upper

202 100

200 20.6 15.5 23.3

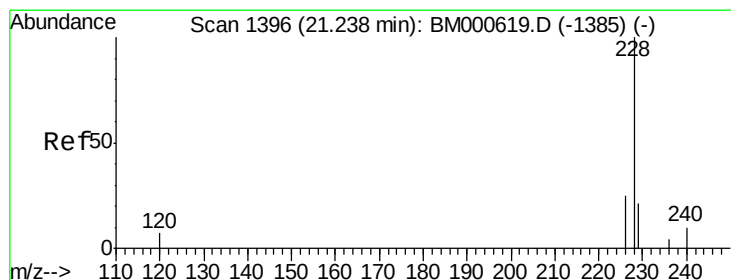
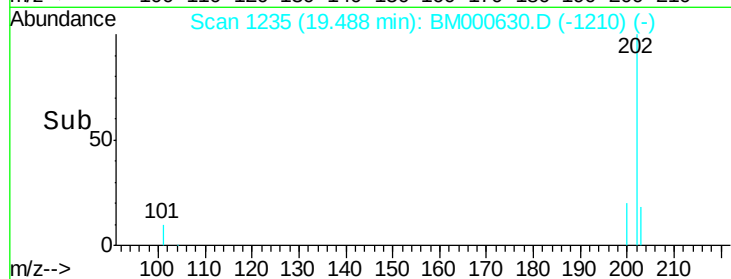
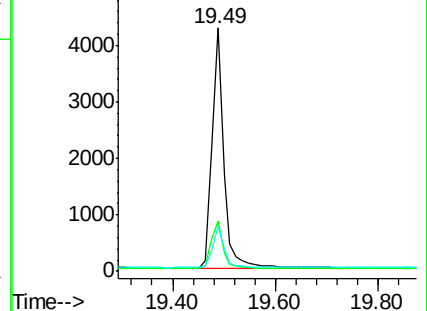
203 18.8 14.2 21.2



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: 0.10 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

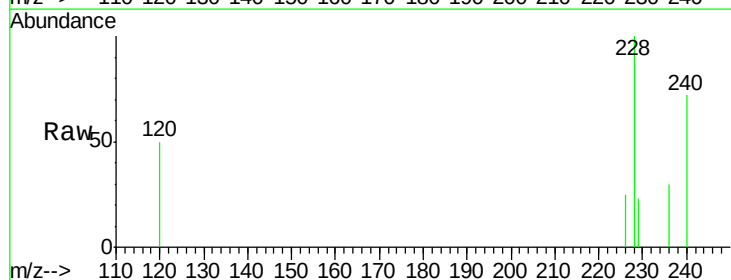
Tgt Ion:228 Resp: 4091

Ion Ratio Lower Upper

228 100

226 25.3 20.0 30.0

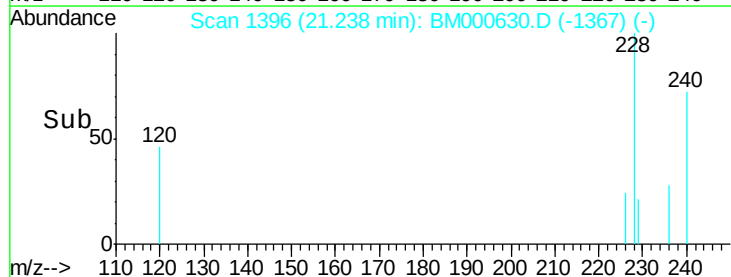
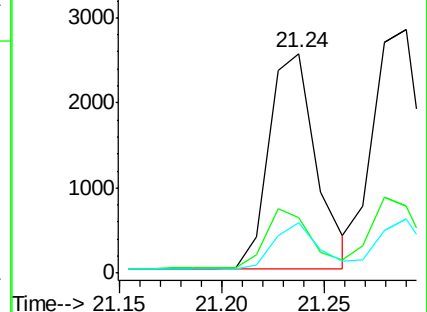
229 22.7 16.7 25.1

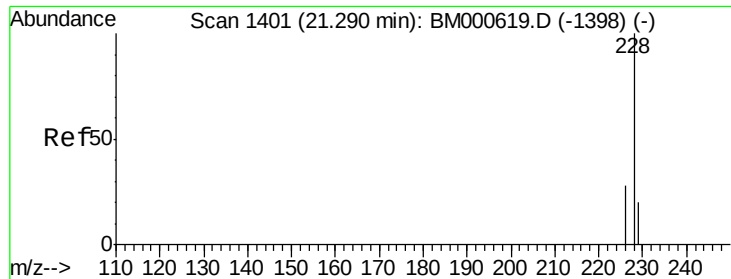


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.11 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

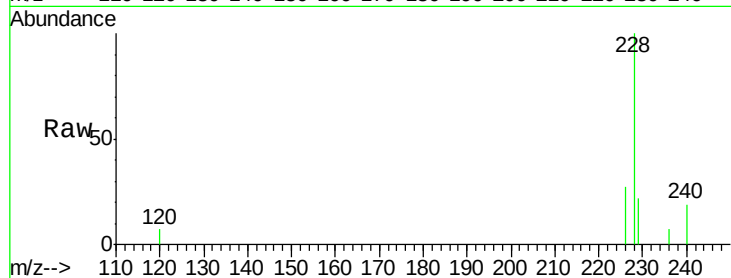
Tgt Ion:228 Resp: 5382

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

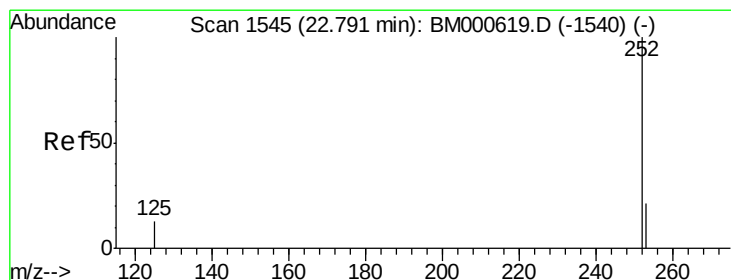
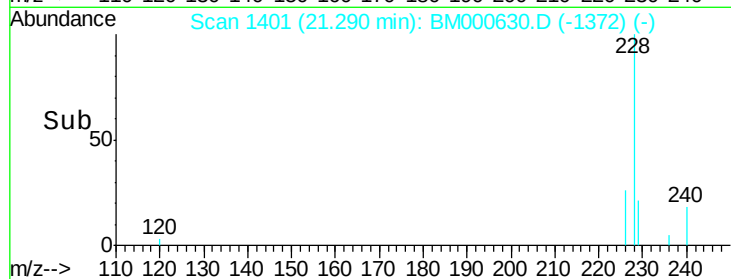
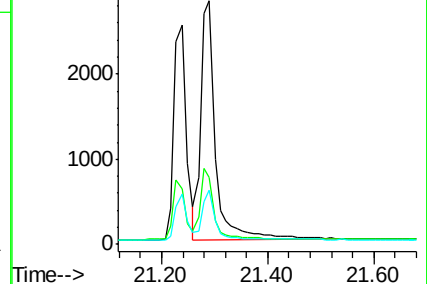
229 22.4 16.4 24.6



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



#23

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

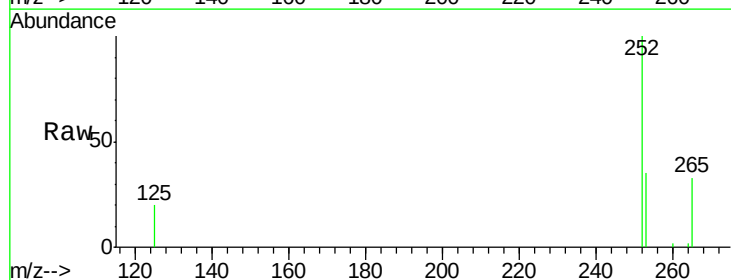
Tgt Ion:252 Resp: 4162

Ion Ratio Lower Upper

252 100

253 34.6 0.0 51.2

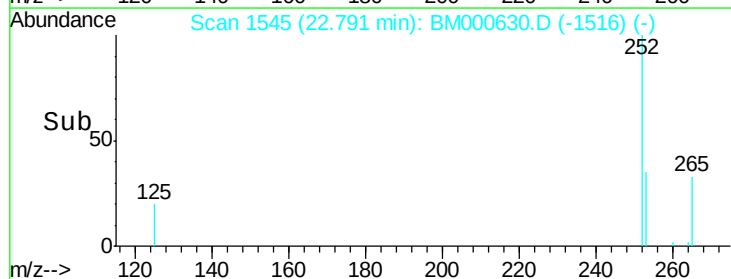
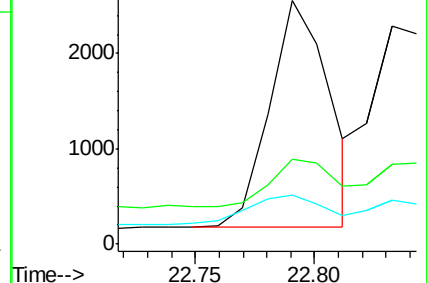
125 20.1 0.0 30.0

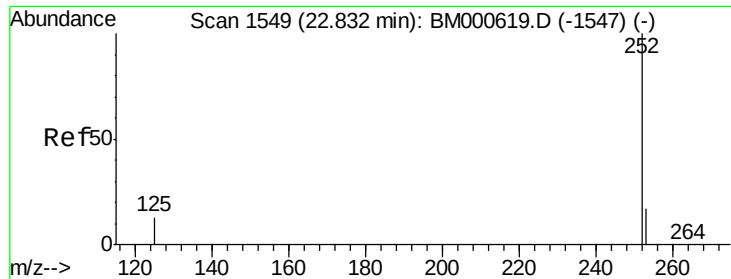


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.11 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

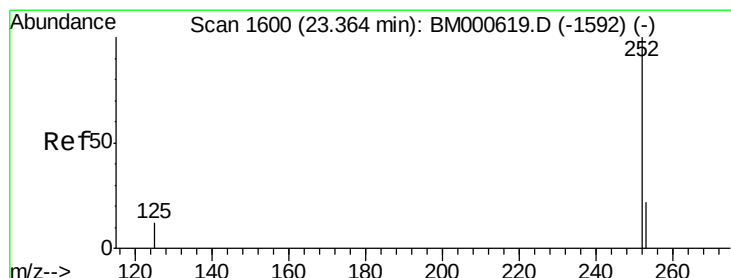
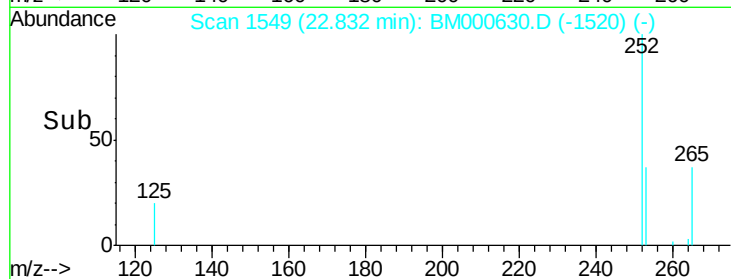
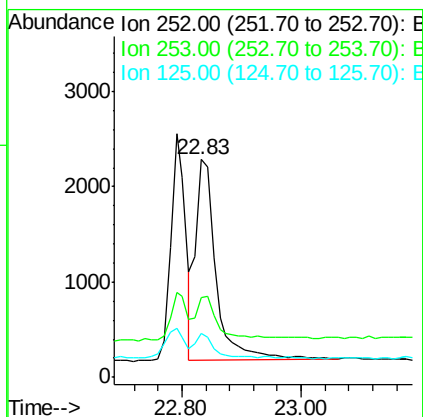
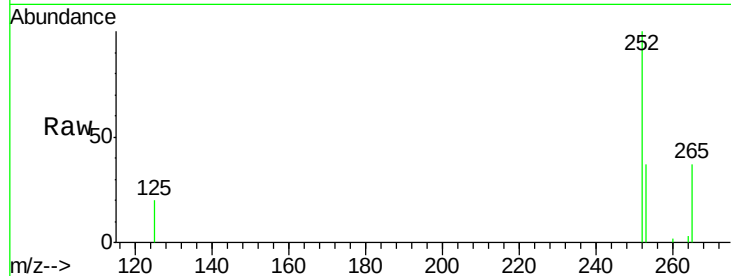
Tgt Ion:252 Resp: 4979

Ion Ratio Lower Upper

252 100

253 36.6 20.5 30.7#

125 20.4 11.8 17.6#



#25

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

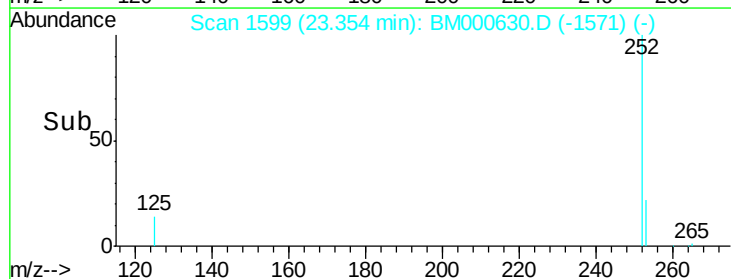
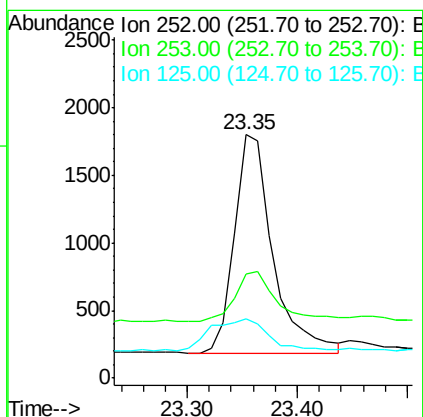
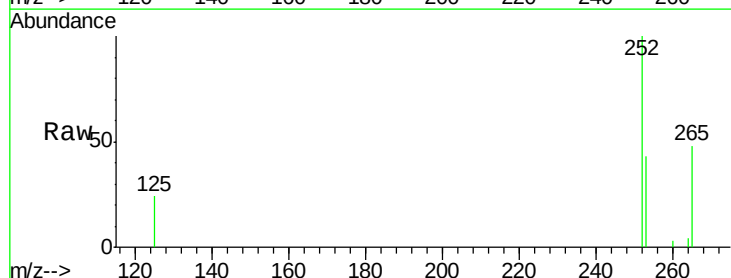
Tgt Ion:252 Resp: 3936

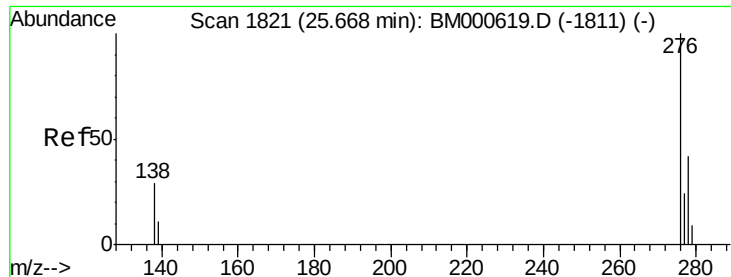
Ion Ratio Lower Upper

252 100

253 42.7 23.4 35.0#

125 24.3 12.2 18.4#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng/ul

RT: 25.68 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

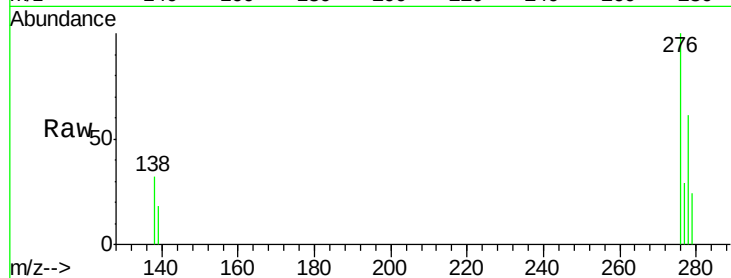
Tgt Ion:276 Resp: 4764

Ion Ratio Lower Upper

276 100

138 30.1 23.8 35.8

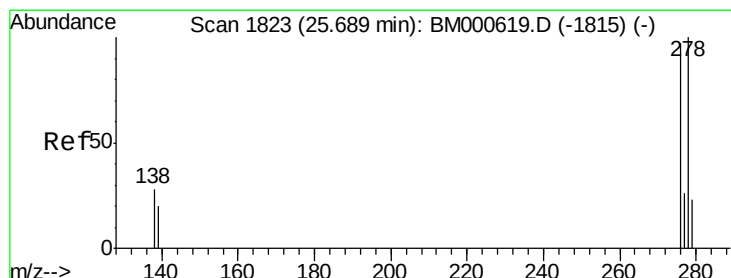
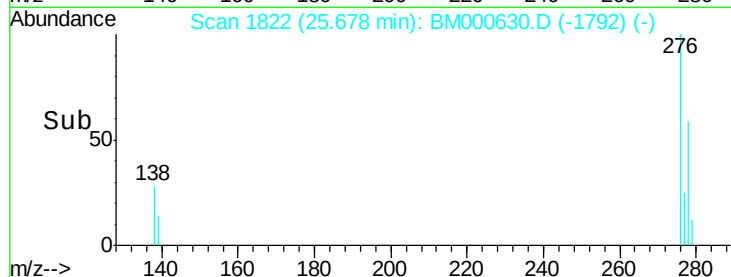
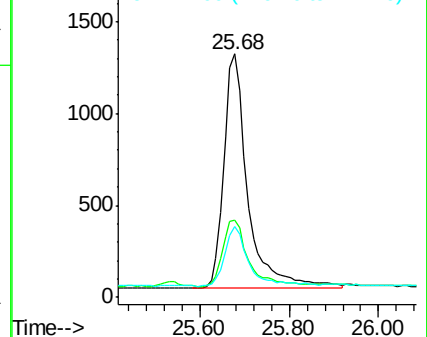
277 25.2 19.7 29.5



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: 0.11 ng/ul

RT: 25.69 min Scan# 1823

Delta R.T. -0.00 min

Lab File: BM000630.D

Acq: 03 Mar 2015 23:55

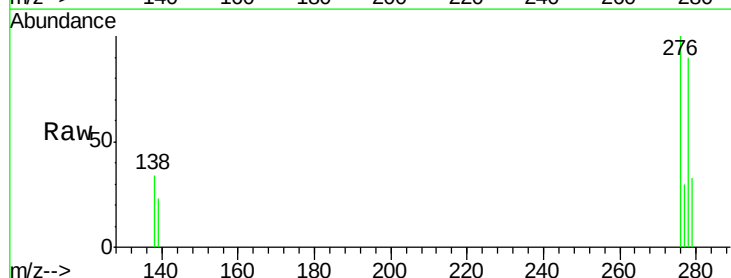
Tgt Ion:278 Resp: 3766

Ion Ratio Lower Upper

278 100

139 25.7 17.0 25.6#

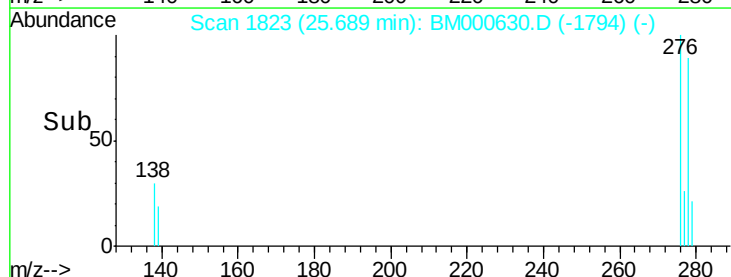
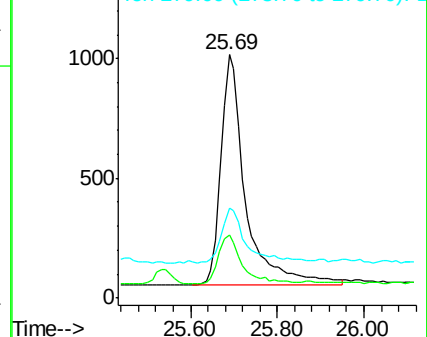
279 36.8 22.3 33.5#

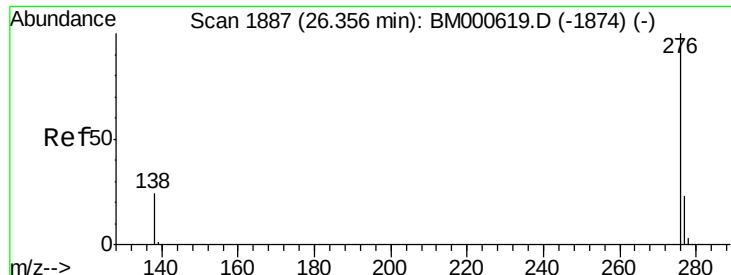


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.12 ng/ul

RT: 26.36 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BM000630.D

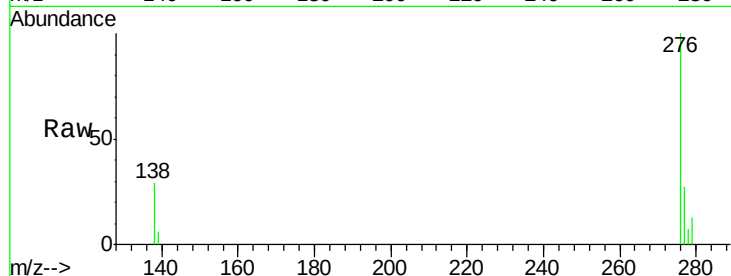
Acq: 03 Mar 2015 23:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.442



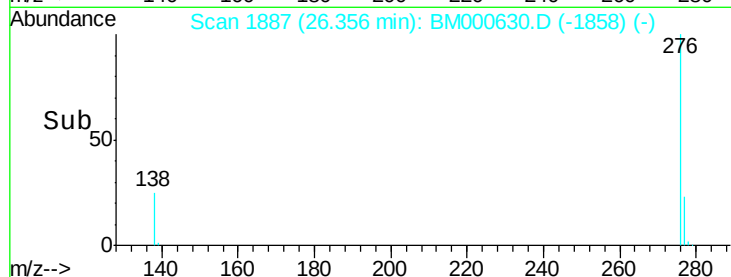
Tgt Ion: 276 Resp: 4331

Ion Ratio Lower Upper

276 100

277 27.2 19.9 29.9

138 28.8 20.6 30.8



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

