

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004740.D
 Acq On : 22 Mar 2016 23:32
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.464

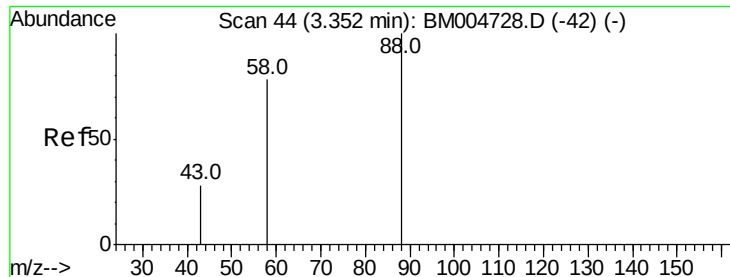
Quant Time: Mar 23 04:14:08 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 23 05:10:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1332	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5189	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2413	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5122	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	4520	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	3443	5.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	1314	2.04	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2318	0.39	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4181	0.40	ng/ul	0.00

Target Compounds				Ovalue		
3) 1,4-Dioxane	3.35	88	1537	1.95	ng/ul#	20
5) Naphthalene	10.67	128	4775	0.39	ng/ul#	95
7) 2-Methylnaphthalene	12.29	142	3036	0.39	ng/ul	99
9) Acenaphthylene	14.18	152	3532	0.40	ng/ul#	97
10) Acenaphthene	14.52	153	3115	0.39	ng/ul#	85
11) Fluorene	15.51	166	3341	0.40	ng/ul	85
13) Pentachlorophenol	16.87	266	282	0.41	ng/ul	95
14) Phenanthrene	17.35	178	3573	0.25	ng/ul	95
15) Anthracene	17.35	178	4385	0.38	ng/ul	95
17) Fluoranthene	19.27	202	5843	0.40	ng/ul	94
19) Pyrene	19.63	202	6004	0.38	ng/ul	98
20) Benzo(a)anthracene	21.38	228	4172	0.39	ng/ul	95
21) Chrysene	21.43	228	5834	0.40	ng/ul	95
23) Benzo(b)fluoranthene	22.99	252	4789	0.39	ng/ul	94
24) Benzo(k)fluoranthene	23.03	252	4745	0.38	ng/ul#	94
25) Benzo(a)pyrene	23.59	252	3990	0.39	ng/ul#	92
26) Indeno(1,2,3-cd)pyrene	26.02	276	4345	0.38	ng/ul#	82
27) Dibenzo(a,h)anthracene	26.04	278	3374	0.38	ng/ul#	88
28) Benzo(g,h,i)perylene	26.72	276	4135	0.38	ng/ul#	90

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



#3

1,4-Dioxane

Concen: 1.95 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

Instrument :

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SSTD0.464

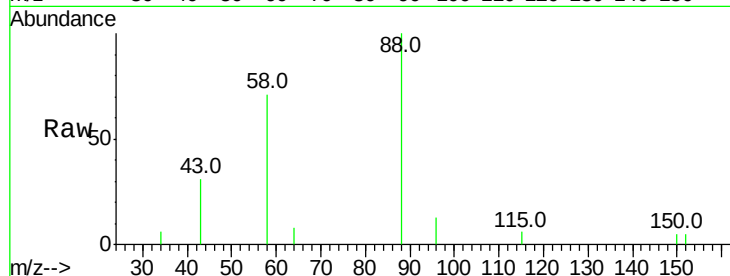
Tot Ion: 88 Resp: 1537

Ion Ratio Lower Upper

88 100

58 58.8 8.0 12.0#

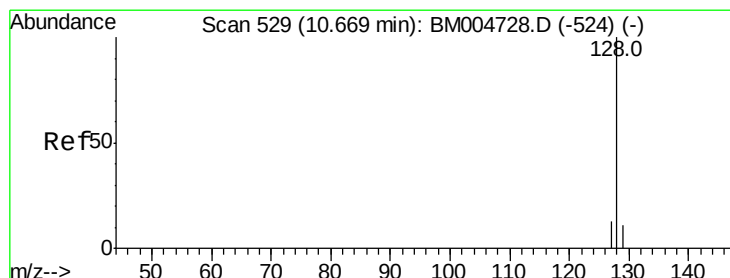
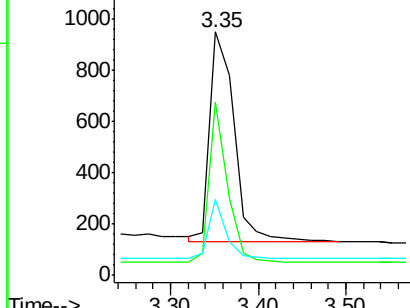
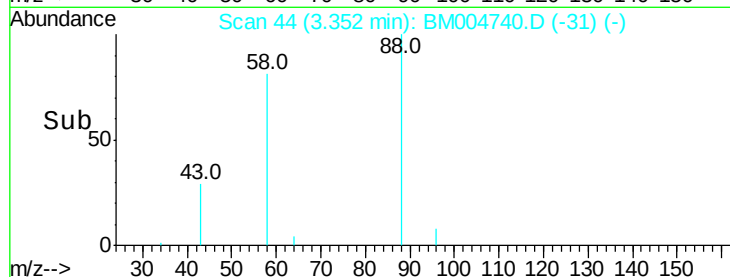
43 20.6 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004740.D (-31) (-)

Ion 58.00 (57.70 to 58.70): BM004740.D (-31) (-)

Ion 43.00 (42.70 to 43.70): BM004740.D (-31) (-)



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

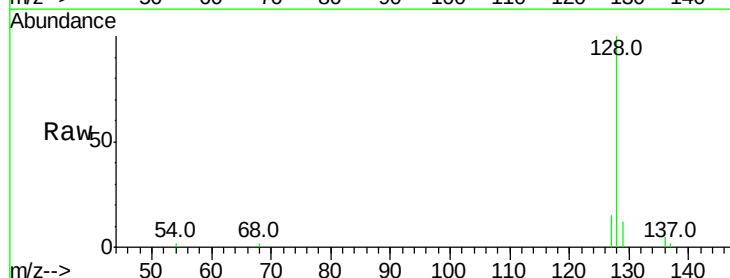
Tgt Ion: 128 Resp: 4775

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

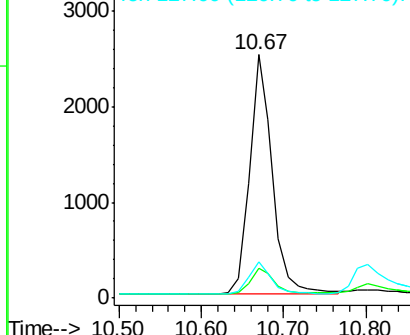
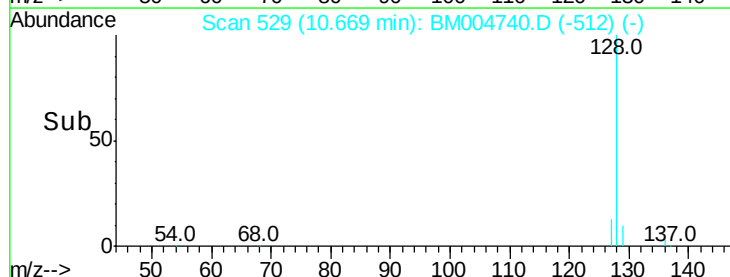
127 14.7 9.6 14.4#

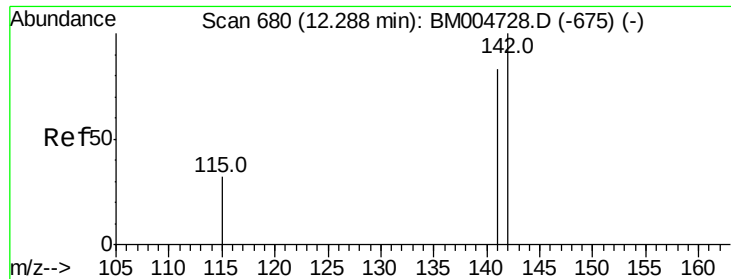


Abundance Ion 128.00 (127.70 to 128.70): BM004740.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM004740.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM004740.D (-512) (-)





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

Instrument :

BNA_M

ClientSampleId :

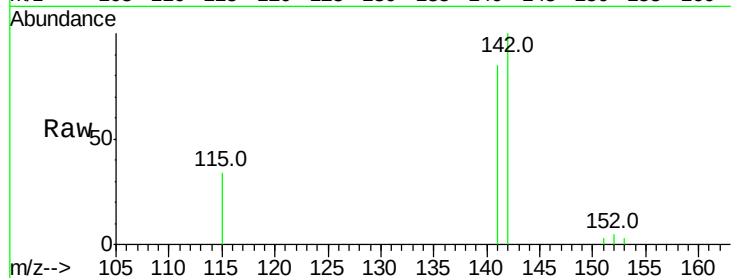
SSTD0.464

Tot Ion:142 Resp: 3036

Ion Ratio Lower Upper

142 100

141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.29

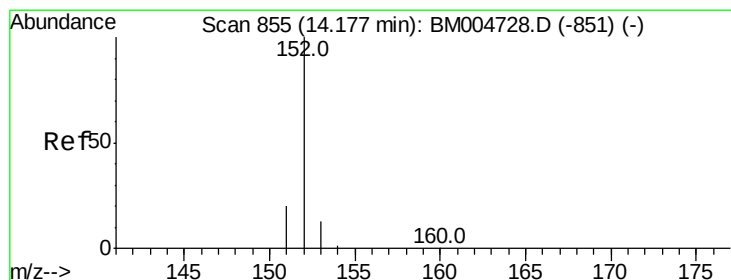
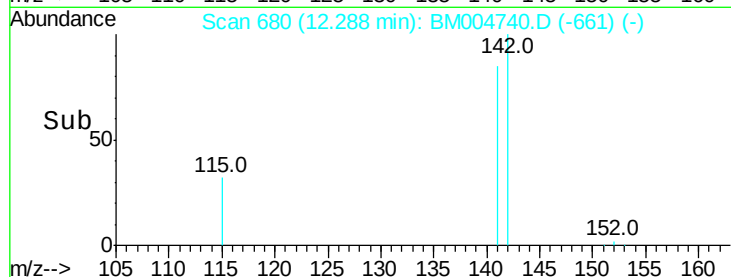
1500

1000

500

0

Time--> 12.20 12.30 12.40 12.50



#9

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

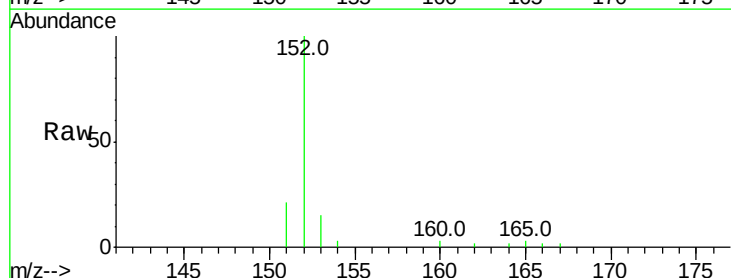
Tgt Ion:152 Resp: 3532

Ion Ratio Lower Upper

152 100

151 21.4 17.6 26.4

153 14.6 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

14.18

2500

2000

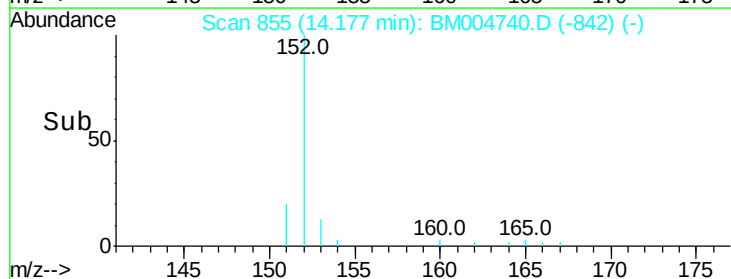
1500

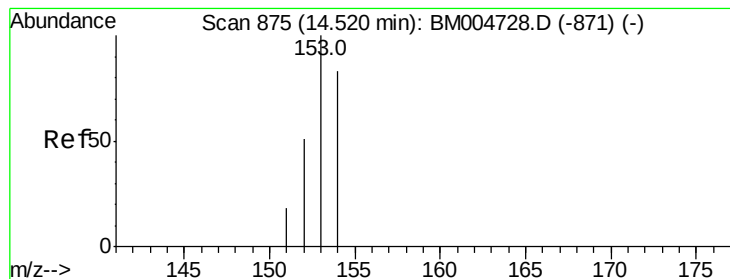
1000

500

0

Time--> 14.10 14.20 14.30





#10

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

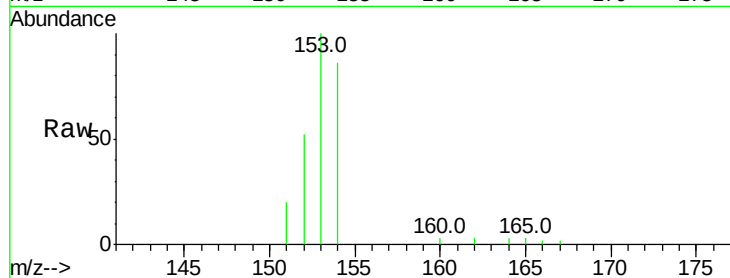
Tot Ion:153 Resp: 3115

Ion Ratio Lower Upper

153 100

152 51.6 33.9 50.9#

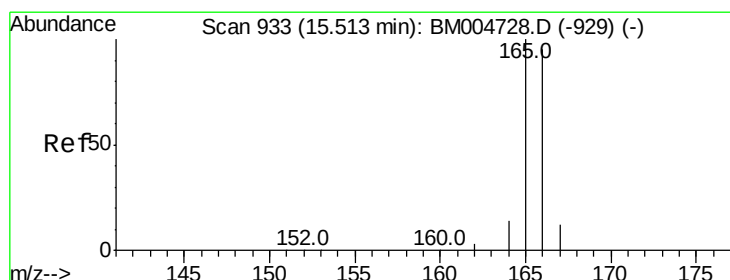
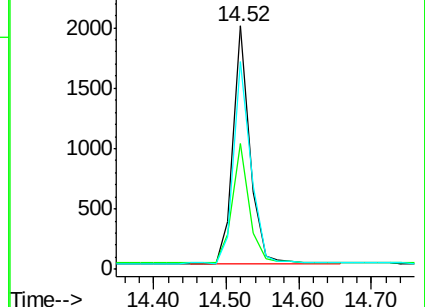
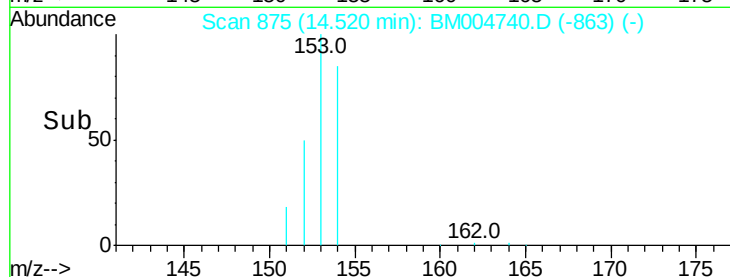
154 85.6 80.6 121.0



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: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

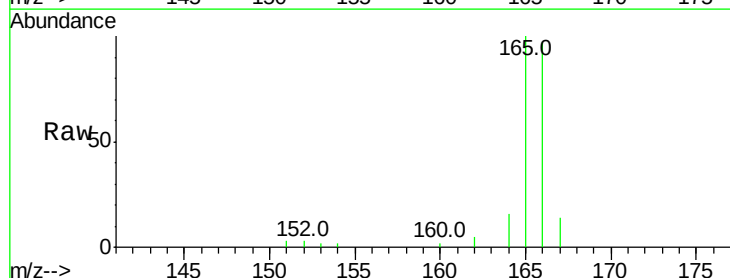
Tgt Ion:166 Resp: 3341

Ion Ratio Lower Upper

166 100

165 103.4 69.6 104.4

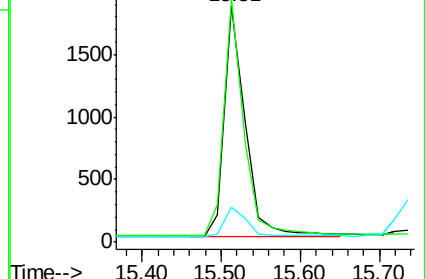
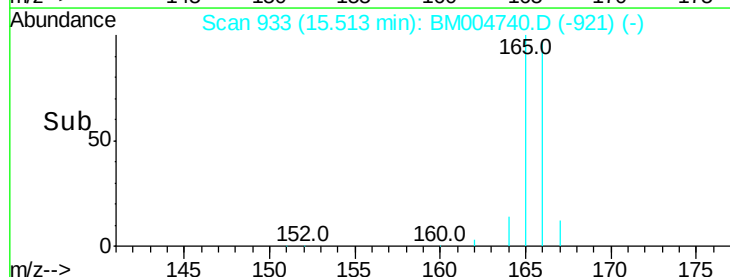
167 14.9 11.9 17.9

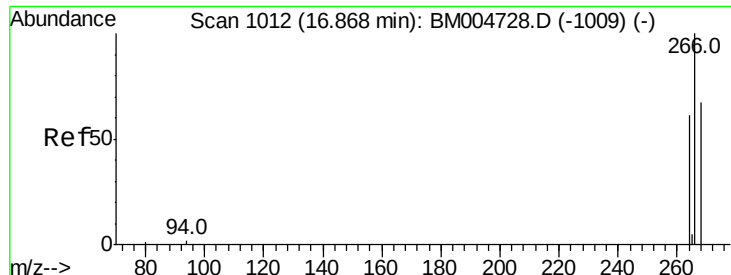


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

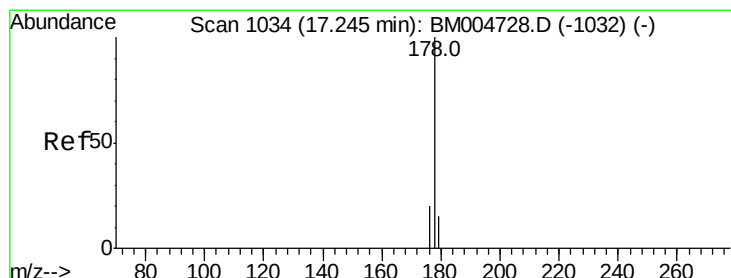
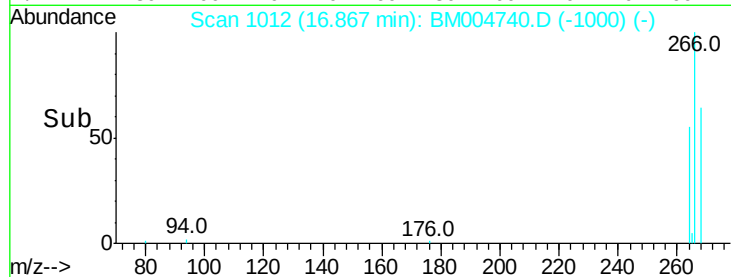
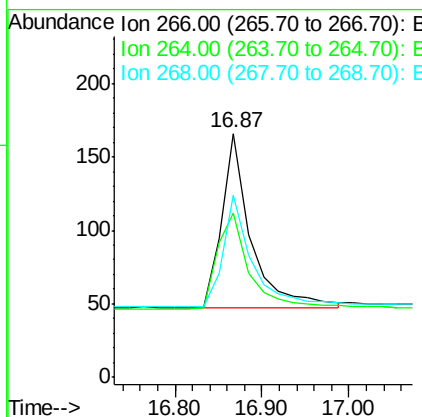
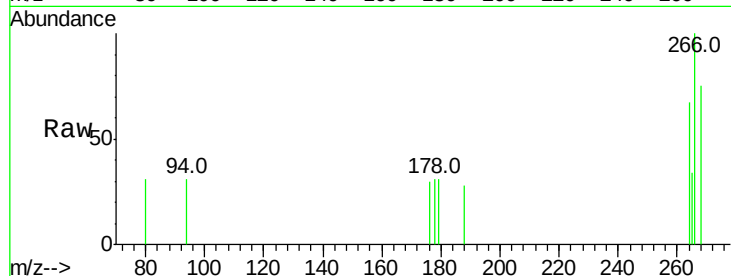




#13
 Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BM004740.D
 Acq: 22 Mar 2016 23:32

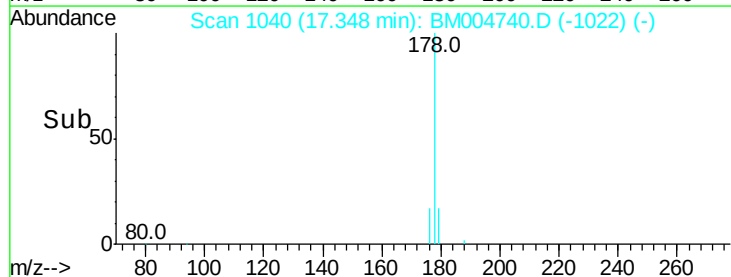
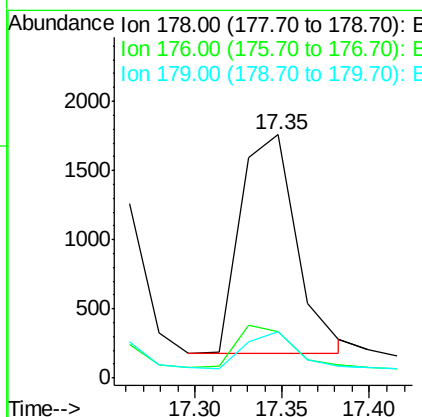
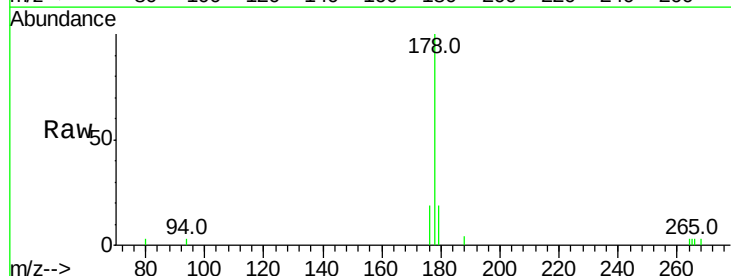
Instrument :
 BNA_M
 ClientSampleId :
 SST0.464

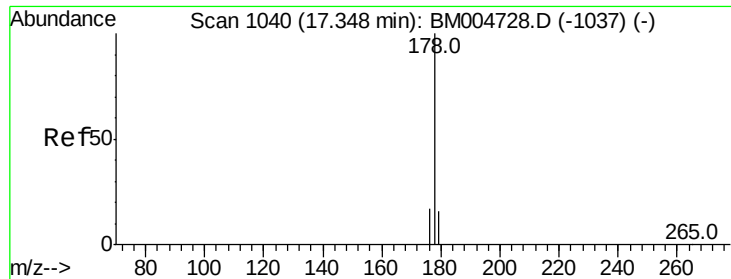
Tot Ion:266 Resp: 282
 Ion Ratio Lower Upper
 266 100
 264 63.5 51.8 77.8
 268 64.5 46.8 70.2



#14
 Phenanthrene
 Concen: 0.25 ng/ul
 RT: 17.35 min Scan# 1040
 Delta R.T. 0.10 min
 Lab File: BM004740.D
 Acq: 22 Mar 2016 23:32

Tgt Ion:178 Resp: 3573
 Ion Ratio Lower Upper
 178 100
 176 19.0 13.0 19.4
 179 19.2 14.2 21.2

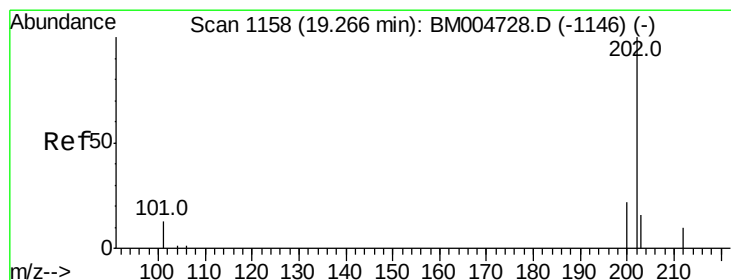
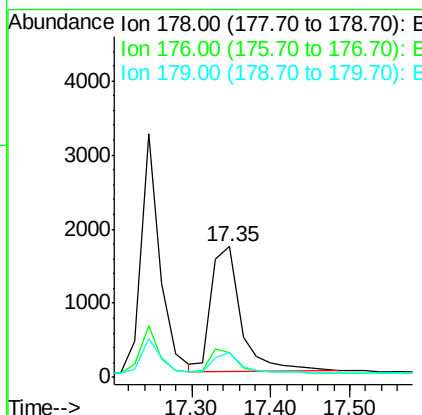
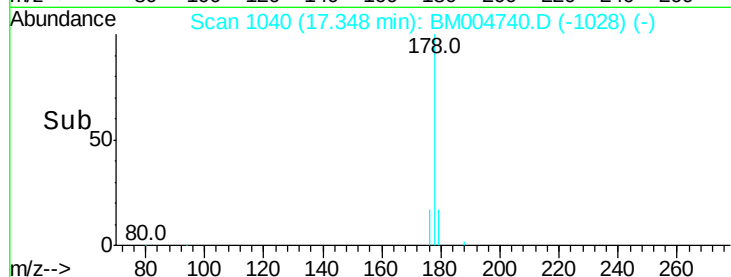
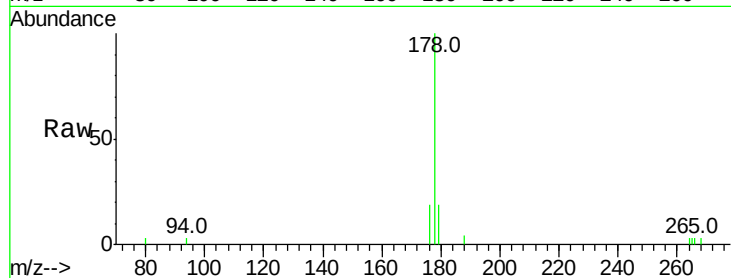




#15
 Anthracene
 Concen: 0.38 ng/ul
 RT: 17.35 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BM004740.D
 Acq: 22 Mar 2016 23:32

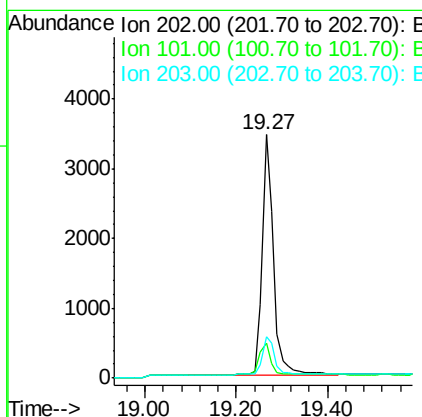
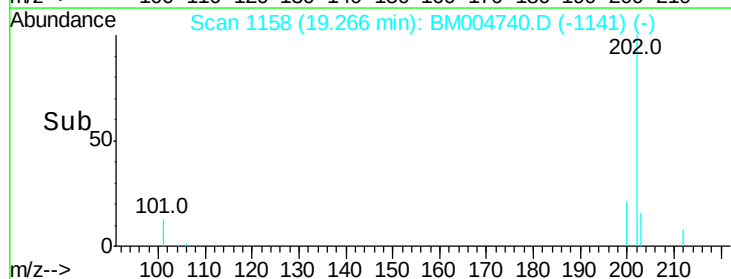
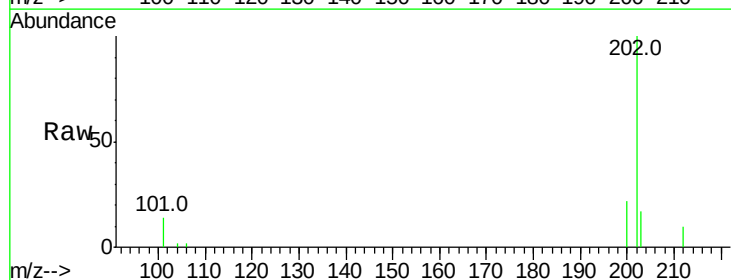
Instrument :
 BNA_M
 ClientSampleId :
 SST0.464

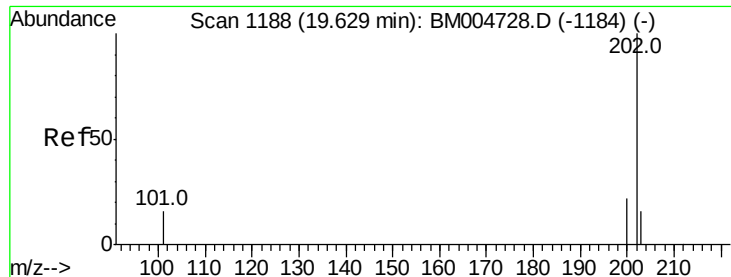
Tot Ion:178 Resp: 4385
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.0 21.0
 179 19.2 12.9 19.3



#17
 Fluoranthene
 Concen: 0.40 ng/ul
 RT: 19.27 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: BM004740.D
 Acq: 22 Mar 2016 23:32

Tgt Ion:202 Resp: 5843
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 29.6
 203 17.2 0.0 36.3





#19

Pvrene

Concen: 0.38 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

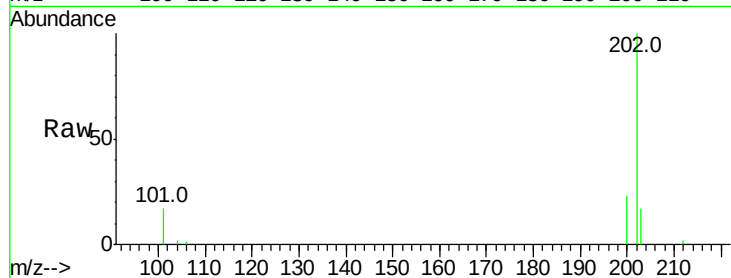
Tot Ion:202 Resp: 6004

Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.8

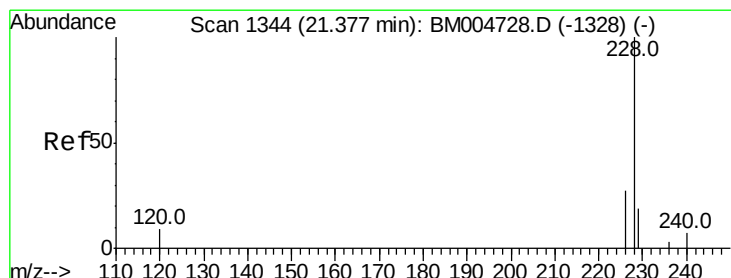
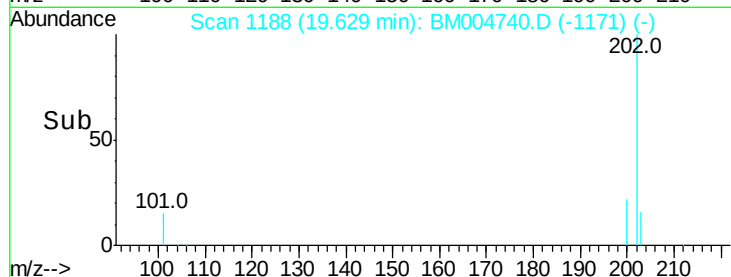
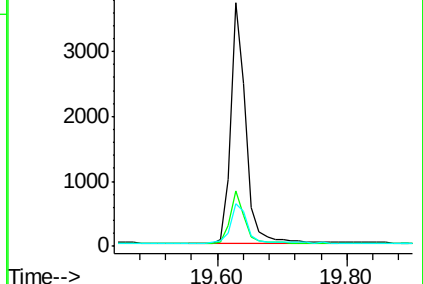
203 17.3 12.8 19.2



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: 0.39 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

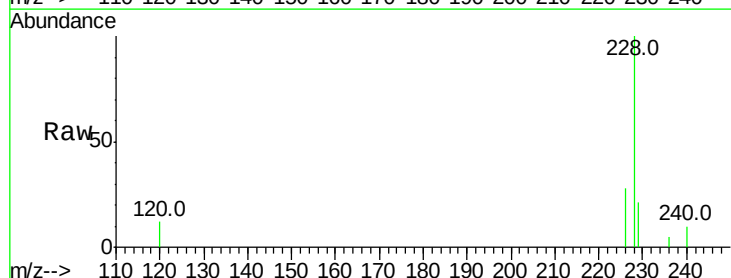
Tgt Ion:228 Resp: 4172

Ion Ratio Lower Upper

228 100

226 27.6 18.8 28.2

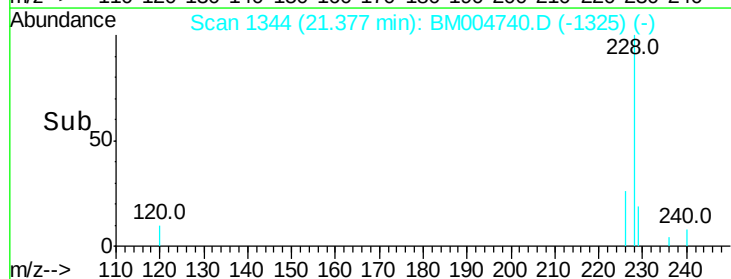
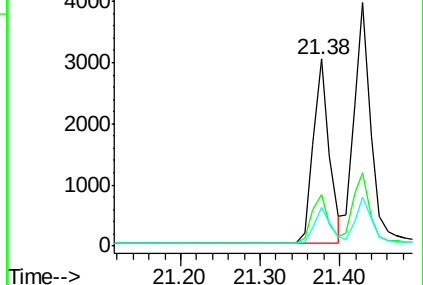
229 20.5 17.1 25.7

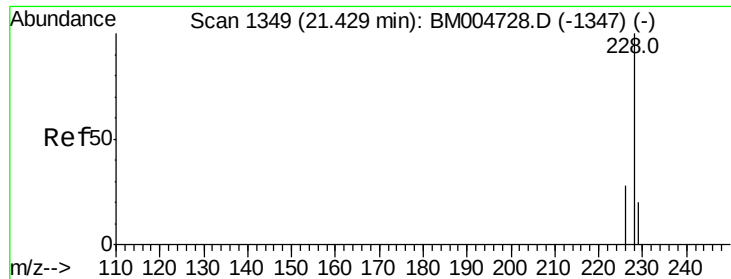


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

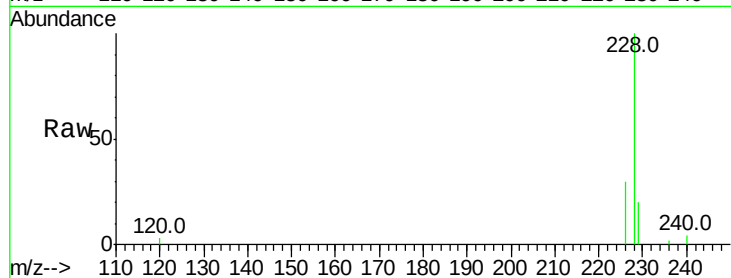
Tot Ion:228 Resp: 5834

Ion Ratio Lower Upper

228 100

226 29.9 21.2 31.8

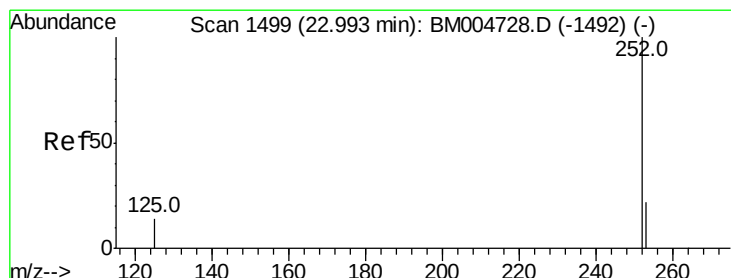
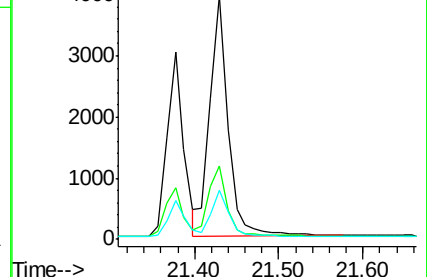
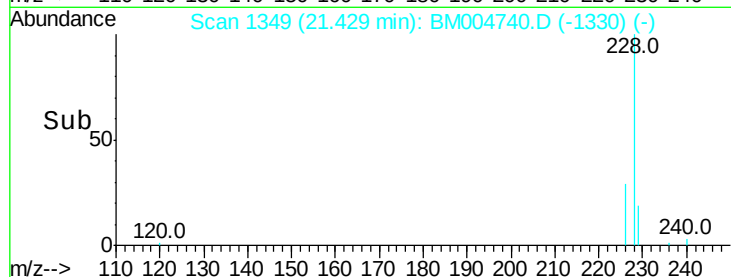
229 20.3 17.0 25.6



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: 0.39 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

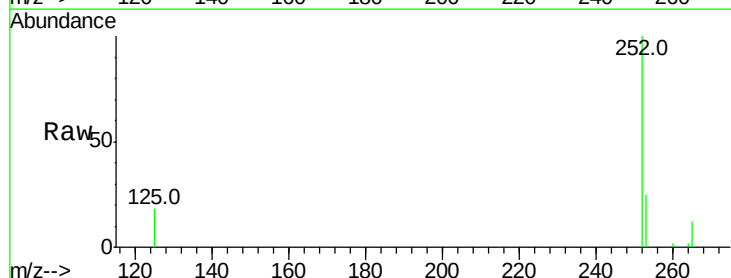
Tgt Ion:252 Resp: 4789

Ion Ratio Lower Upper

252 100

253 24.8 0.0 45.4

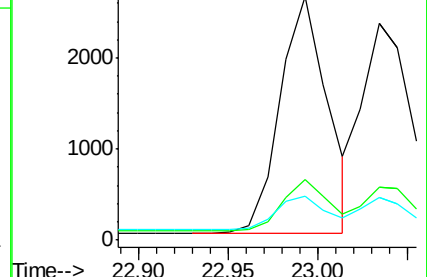
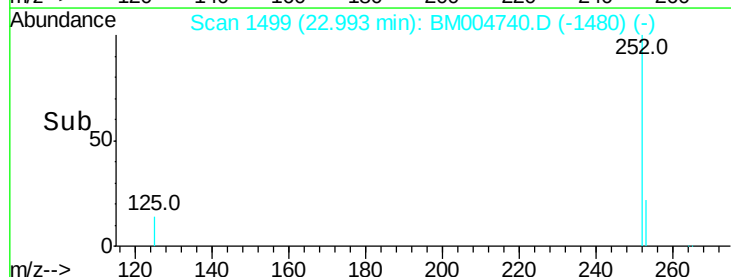
125 18.3 0.0 28.8

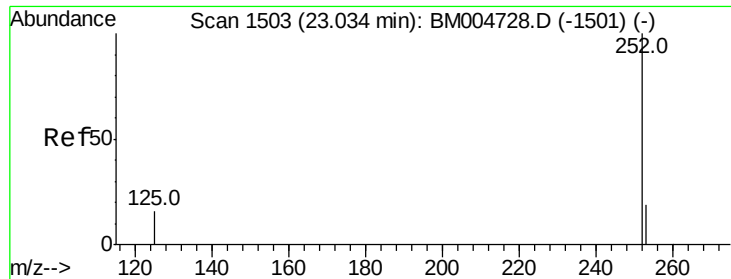


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 23.03 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

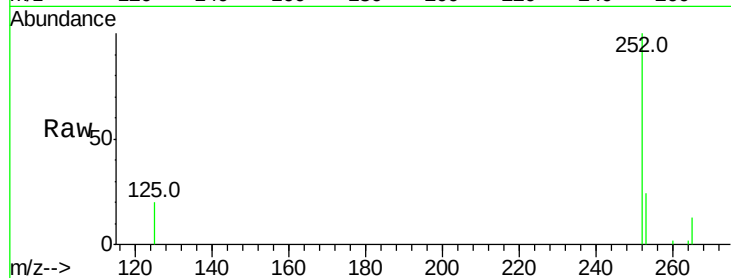
Tot Ion:252 Resp: 4745

Ion Ratio Lower Upper

252 100

253 24.3 19.8 29.8

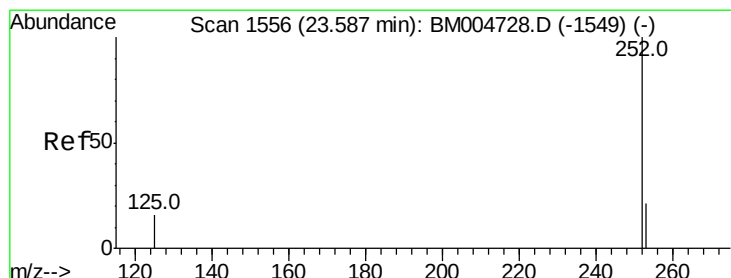
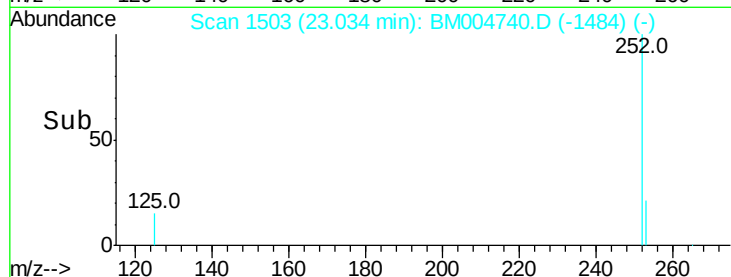
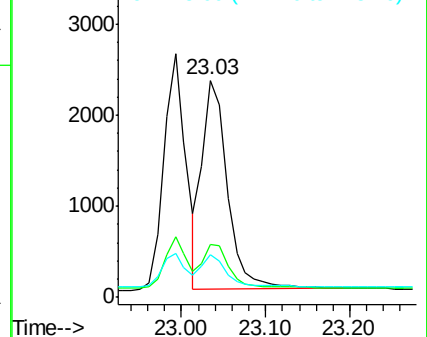
125 19.7 10.4 15.6#



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: 0.39 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

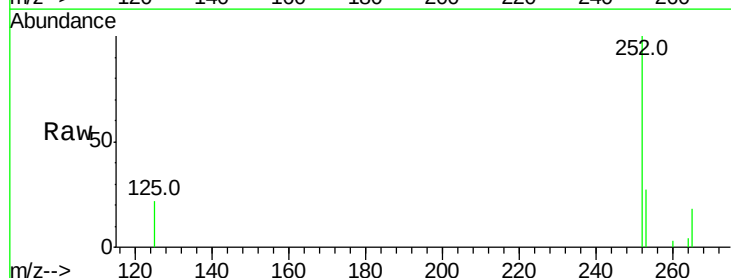
Tgt Ion:252 Resp: 3990

Ion Ratio Lower Upper

252 100

253 26.7 19.4 29.2

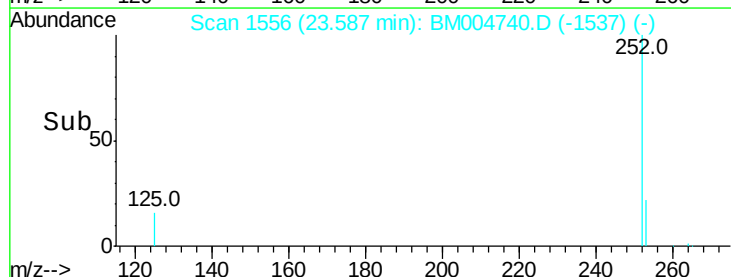
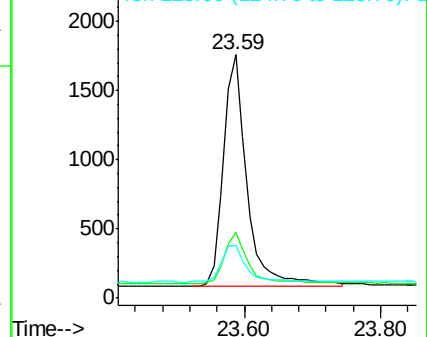
125 21.8 12.7 19.1#

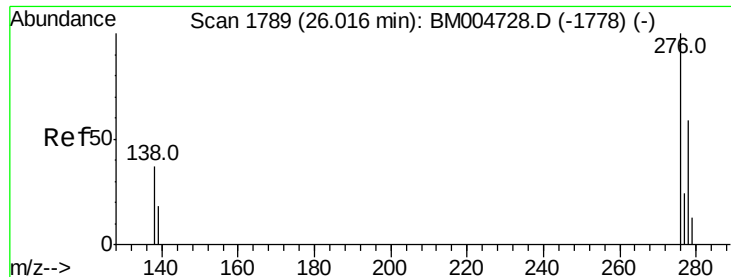


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.38 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

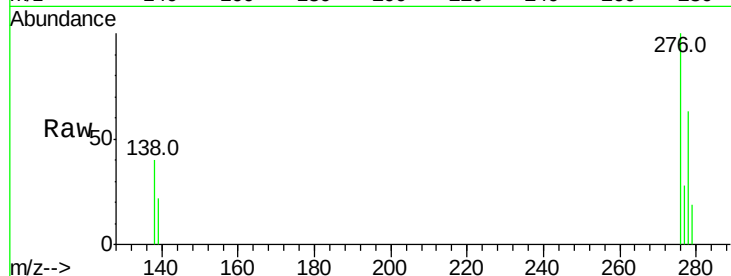
Tot Ion:276 Resp: 4345

Ion Ratio Lower Upper

276 100

138 38.9 16.3 24.5#

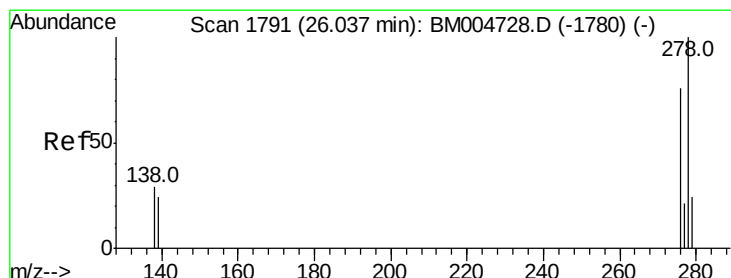
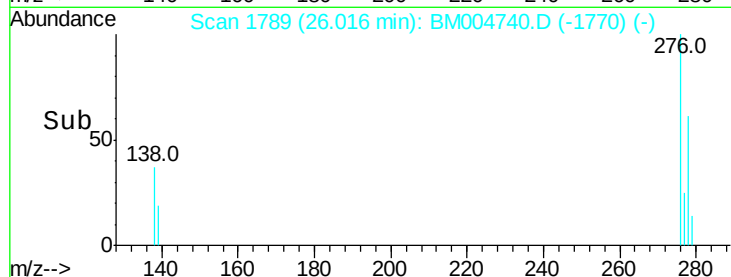
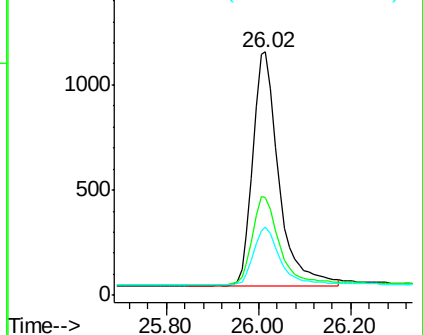
277 24.9 19.8 29.8



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: 0.38 ng/ul

RT: 26.04 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BM004740.D

Acq: 22 Mar 2016 23:32

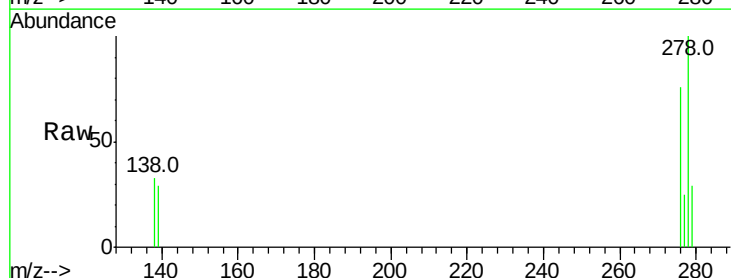
Tgt Ion:278 Resp: 3374

Ion Ratio Lower Upper

278 100

139 29.0 16.4 24.6#

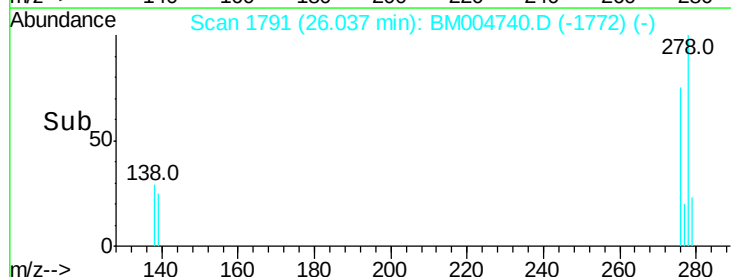
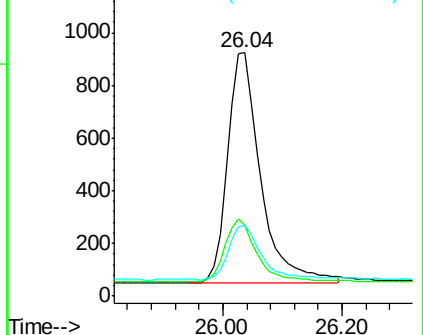
279 28.9 20.2 30.2

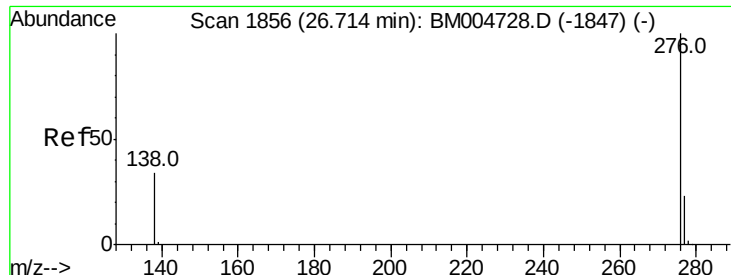


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.38 ng/ul

RT: 26.72 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BM004740.D

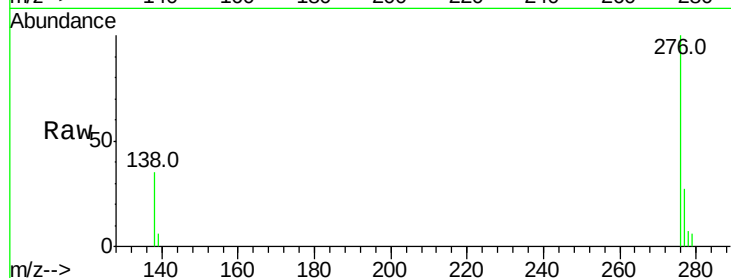
Acq: 22 Mar 2016 23:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.464



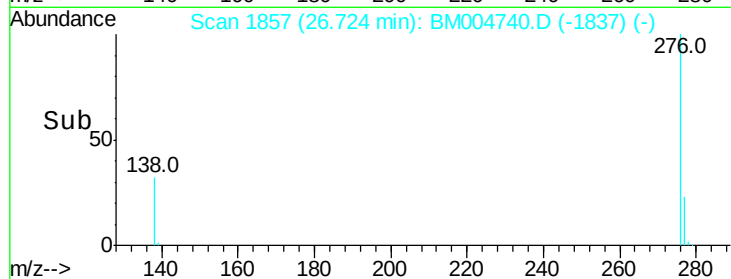
Tot Ion:276 Resp: 4135

Ion Ratio Lower Upper

276 100

277 26.7 18.9 28.3

138 34.8 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

