

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032816\
 Data File : BM004801.D
 Acq On : 28 Mar 2016 11:36
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.445

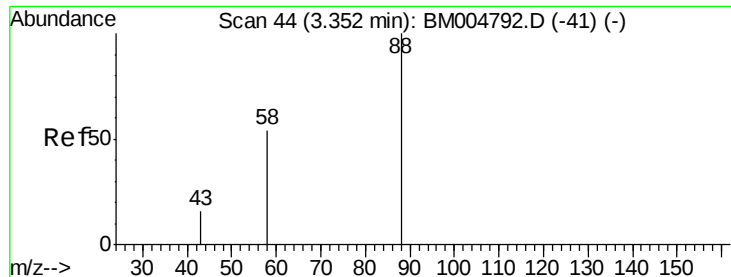
Quant Time: Mar 29 02:37:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 05:39:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1460	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6379	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3595	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	8353	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	9127	5.00	ng/ul	0.01
22) Perylene-d12	23.68	264	8341	5.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	1348	2.05	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.20	152	3318	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	8175	0.41	ng/ul	0.01

Target Compounds				Qvalue		
3) 1,4-Dioxane	3.35	88	1689	2.11	ng/ul#	28
5) Naphthalene	10.67	128	6135	0.40	ng/ul	96
7) 2-Methylnaphthalene	12.28	142	4387	0.40	ng/ul	99
9) Acenaphthylene	14.18	152	6637	0.40	ng/ul#	93
10) Acenaphthene	14.52	153	4993	0.43	ng/ul	90
11) Fluorene	15.51	166	5735	0.41	ng/ul	92
13) Pentachlorophenol	16.85	266	689	0.33	ng/ul	96
14) Phenanthrene	17.24	178	9852	0.42	ng/ul	96
15) Anthracene	17.33	178	8757	0.40	ng/ul	97
17) Fluoranthene	19.27	202	11585	0.43	ng/ul	96
19) Pyrene	19.63	202	12067	0.39	ng/ul	96
20) Benzo(a)anthracene	21.38	228	11273	0.40	ng/ul	98
21) Chrysene	21.43	228	11391	0.42	ng/ul	99
23) Benzo(b)fluoranthene	22.99	252	12089	0.43	ng/ul	97
24) Benzo(k)fluoranthene	23.03	252	10327	0.40	ng/ul#	96
25) Benzo(a)pyrene	23.58	252	10535	0.41	ng/ul#	95
26) Indeno(1,2,3-cd)pyrene	26.01	276	9975	0.42	ng/ul#	83
27) Dibenzo(a,h)anthracene	26.02	278	7852	0.42	ng/ul#	92
28) Benzo(g,h,i)perylene	26.71	276	8376	0.43	ng/ul#	92

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



#3

1,4-Dioxane

Concen: 2.11 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

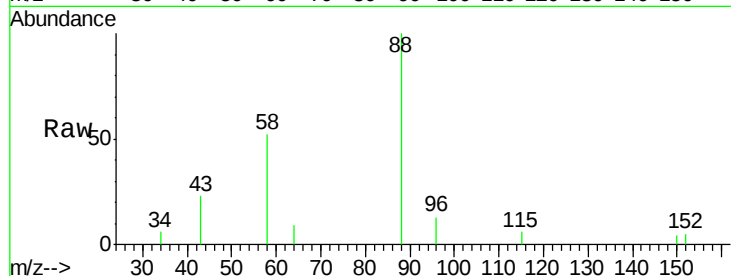
Tgt Ion: 88 Resp: 1689

Ion Ratio Lower Upper

88 100

58 54.1 8.0 12.0#

43 18.9 8.0 12.0#

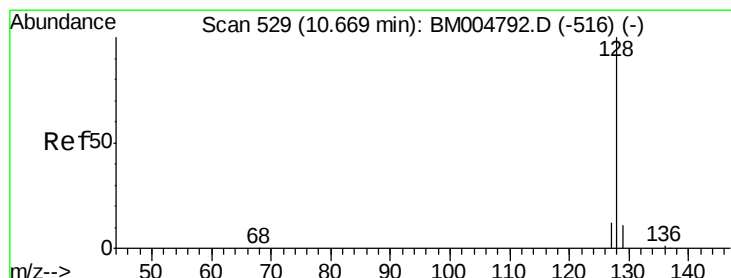
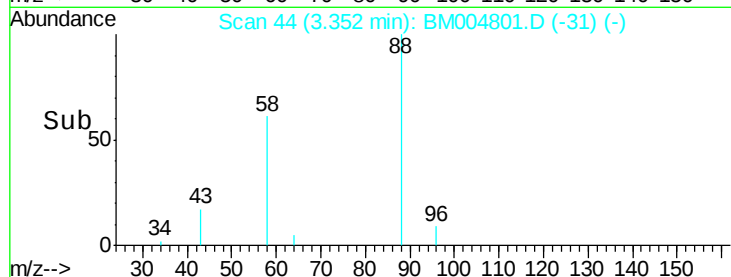
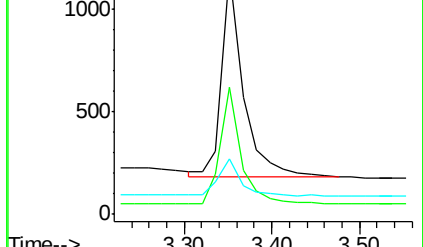


Abundance Ion 88.00 (87.70 to 88.70): BM004792.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004792.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004792.D (-41) (-)

Time-->



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

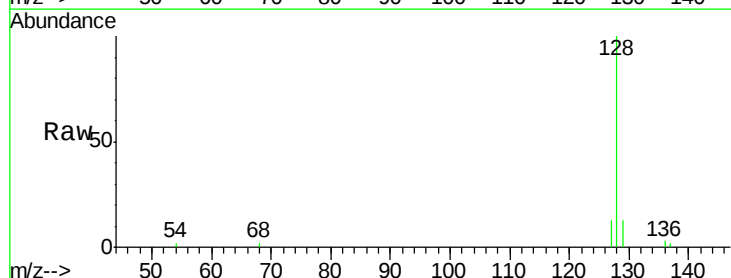
Tgt Ion: 128 Resp: 6135

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

127 13.4 9.6 14.4

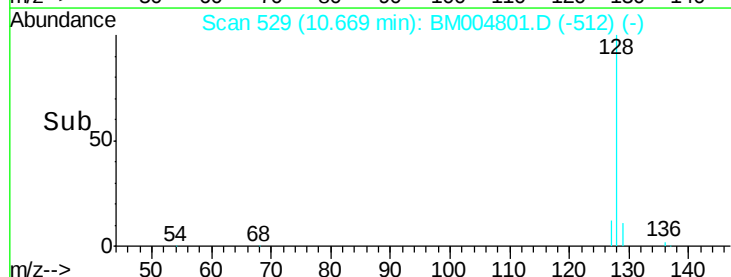
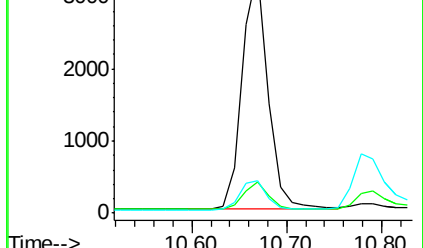


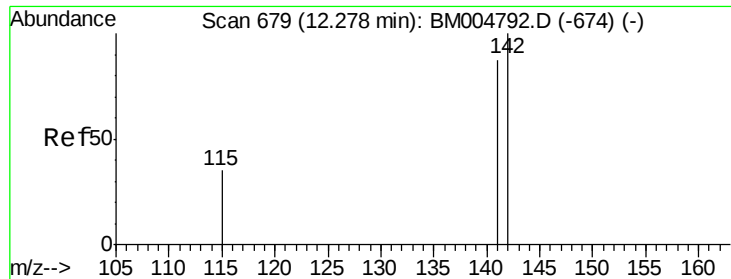
Abundance Ion 128.00 (127.70 to 128.70): BM004792.D (-516) (-)

Ion 129.00 (128.70 to 129.70): BM004792.D (-516) (-)

Ion 127.00 (126.70 to 127.70): BM004792.D (-516) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

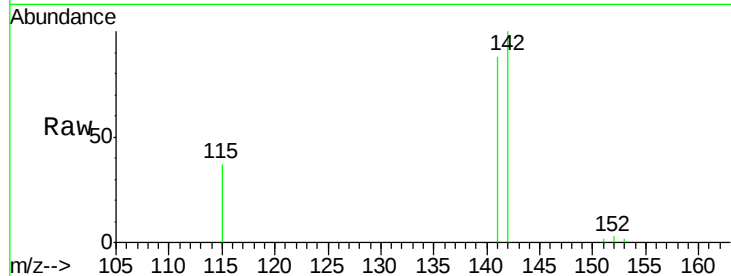
SSTD0.445

Tgt Ion:142 Resp: 4387

Ion Ratio Lower Upper

142 100

141 88.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.28

2500

2000

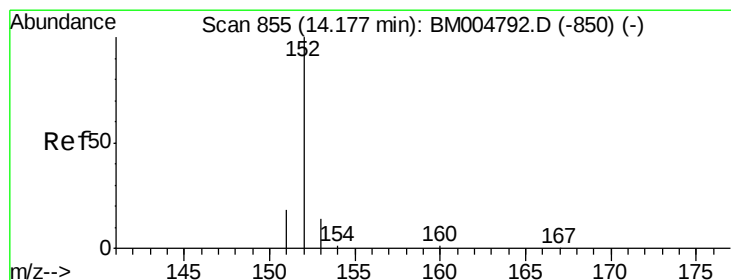
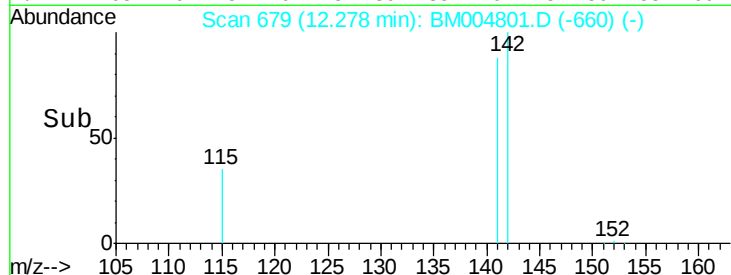
1500

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: BM004801.D

Acq: 28 Mar 2016 11:36

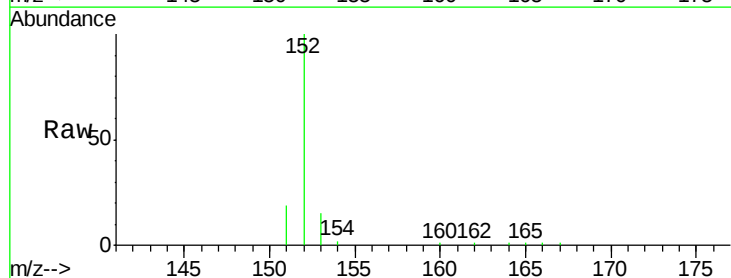
Tgt Ion:152 Resp: 6637

Ion Ratio Lower Upper

152 100

151 18.6 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

5000

4000

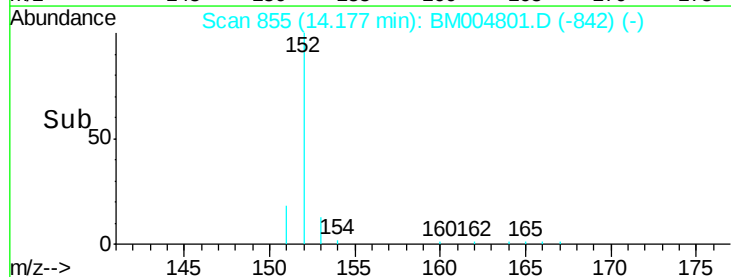
3000

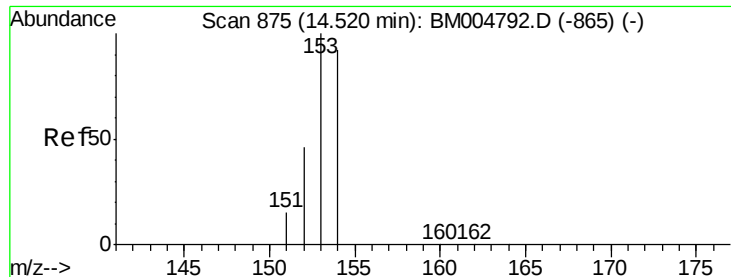
2000

1000

0

Time--> 14.10 14.20 14.30





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

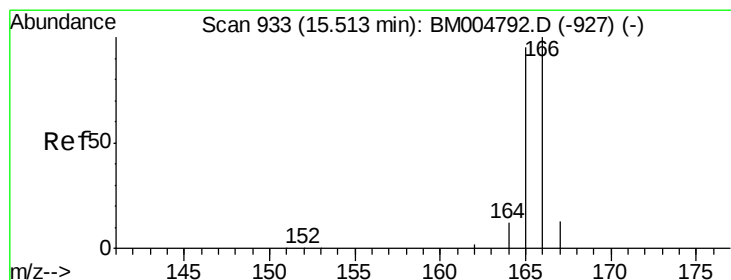
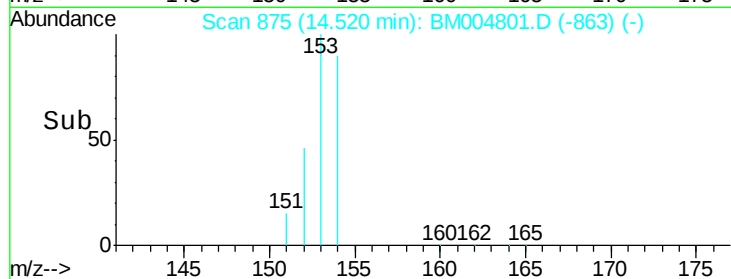
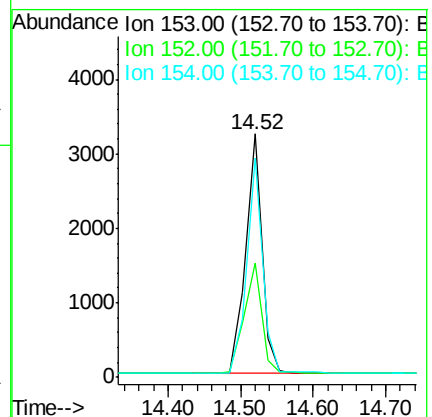
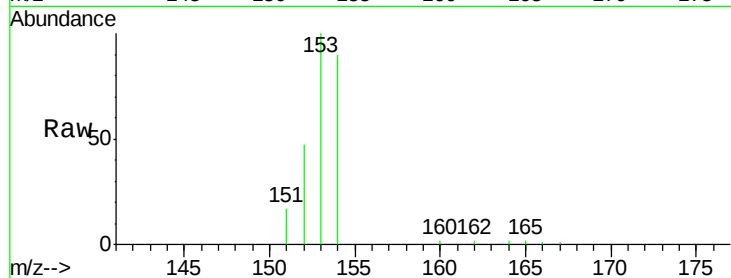
Tgt Ion:153 Resp: 4993

Ion Ratio Lower Upper

153 100

152 47.2 33.9 50.9

154 90.1 80.6 121.0



#11

Fluorene

Concen: 0.41 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

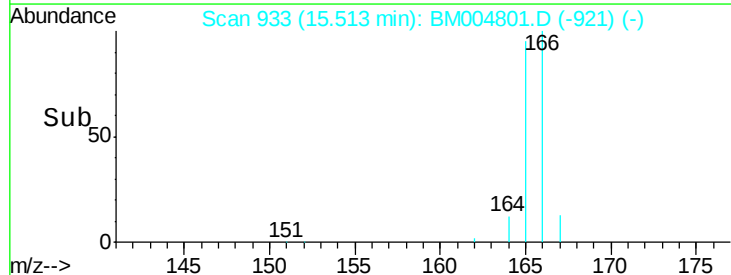
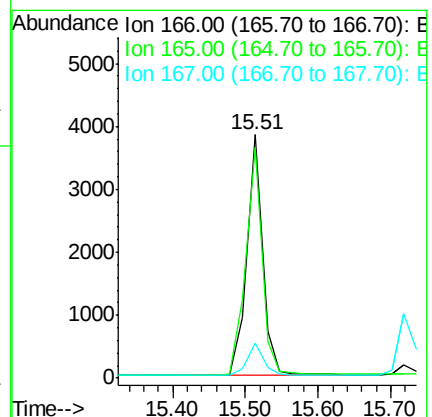
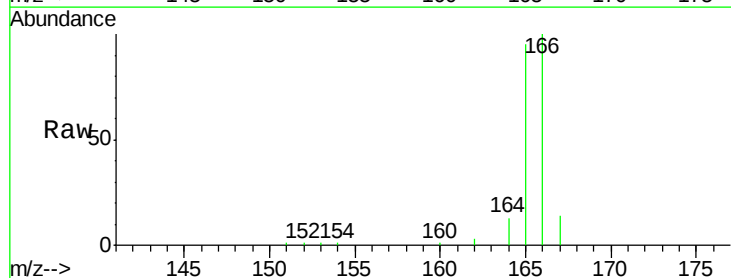
Tgt Ion:166 Resp: 5735

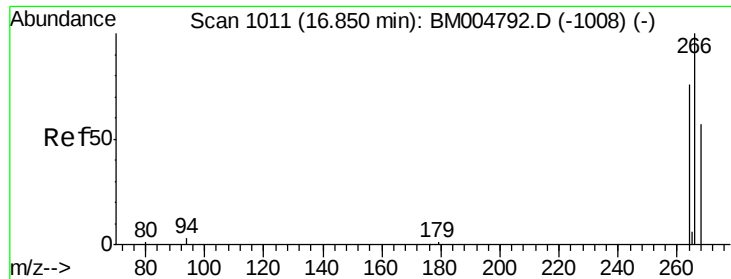
Ion Ratio Lower Upper

166 100

165 95.0 69.6 104.4

167 14.4 11.9 17.9

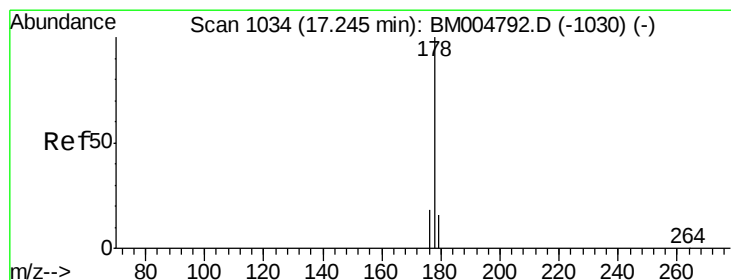
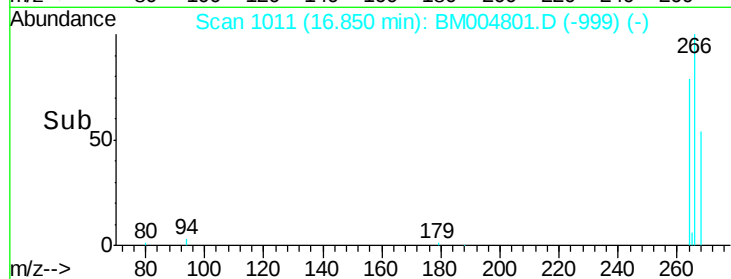
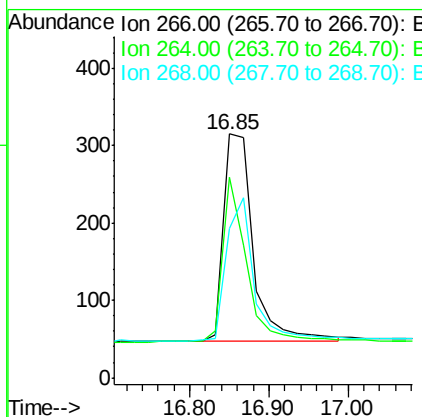
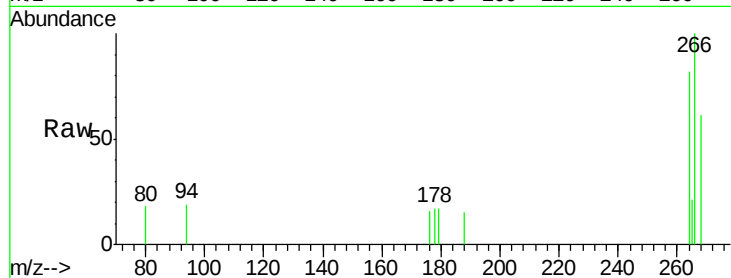




#13
 Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BM004801.D
 Acq: 28 Mar 2016 11:36

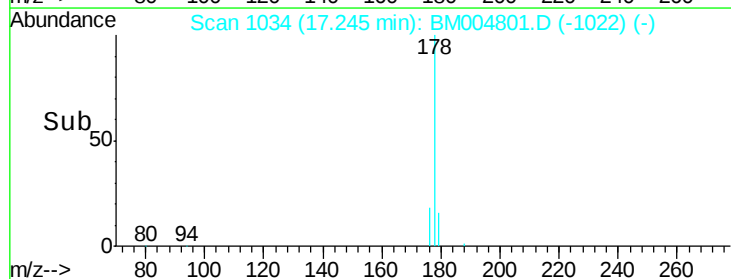
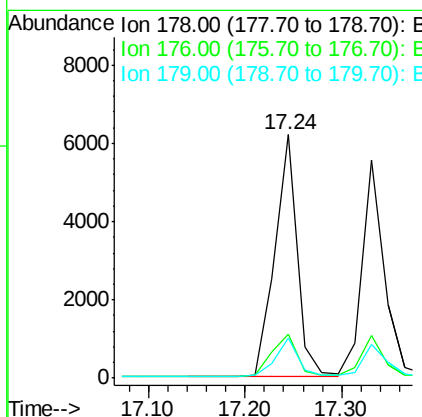
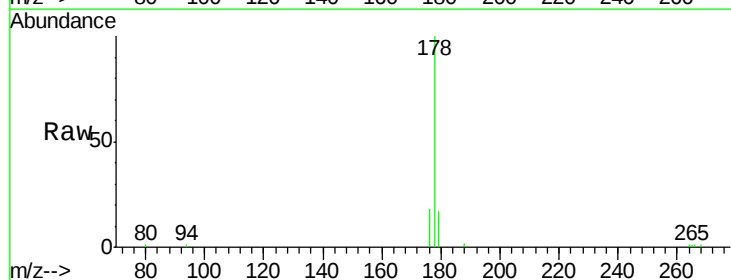
Instrument :
 BNA_M
 ClientSampleId :
 SST0.445

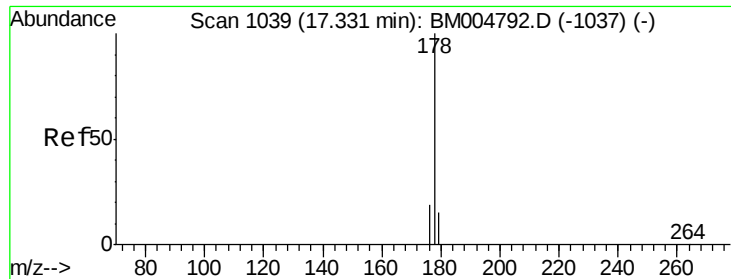
Tgt Ion: 266 Resp: 689
 Ion Ratio Lower Upper
 266 100
 264 64.7 51.8 77.8
 268 64.2 46.8 70.2



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BM004801.D
 Acq: 28 Mar 2016 11:36

Tgt Ion: 178 Resp: 9852
 Ion Ratio Lower Upper
 178 100
 176 18.3 13.0 19.4
 179 16.7 14.2 21.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

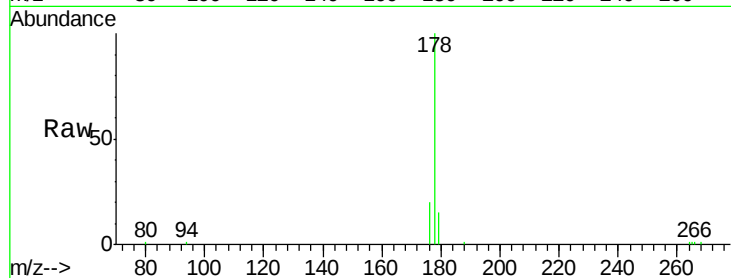
Tgt Ion:178 Resp: 8757

Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

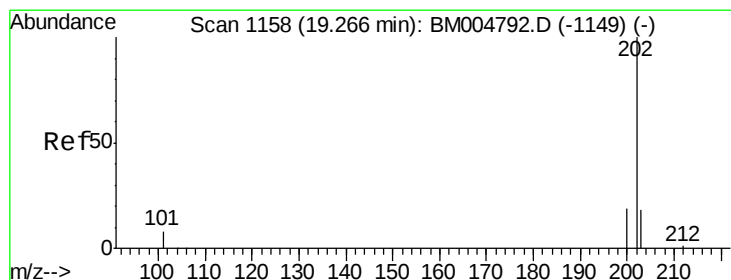
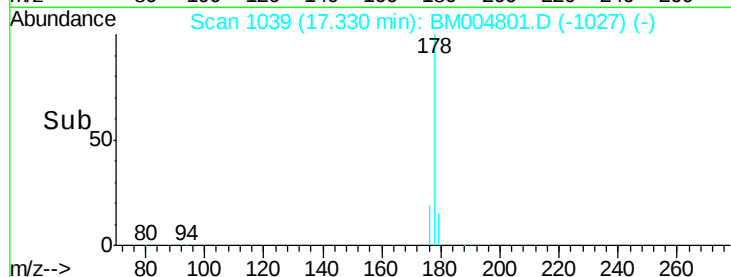
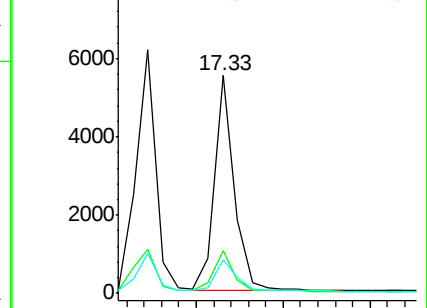
179 15.4 12.9 19.3



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: 0.43 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

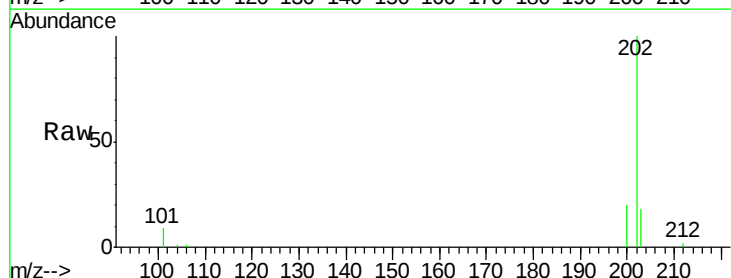
Tgt Ion:202 Resp: 11585

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.6

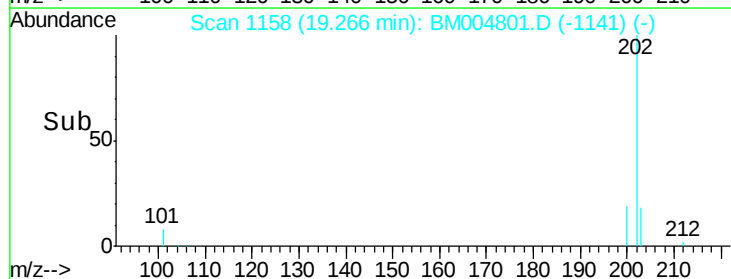
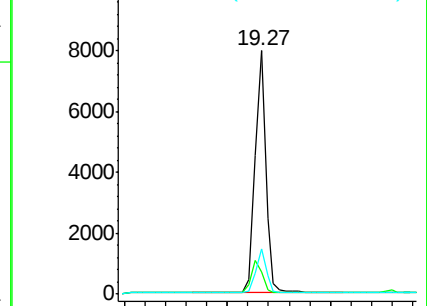
203 18.3 0.0 36.3

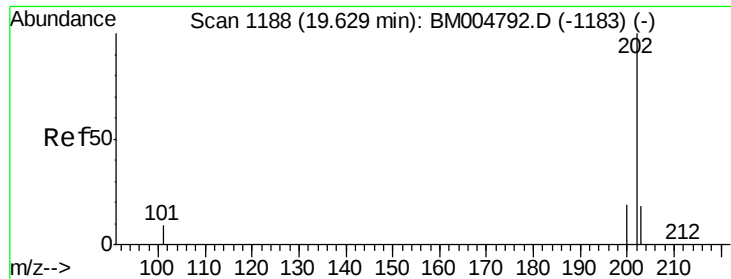


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.39 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

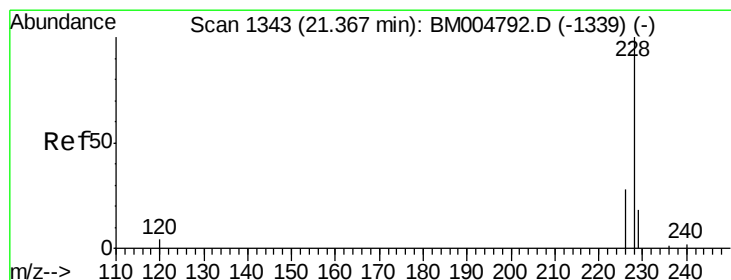
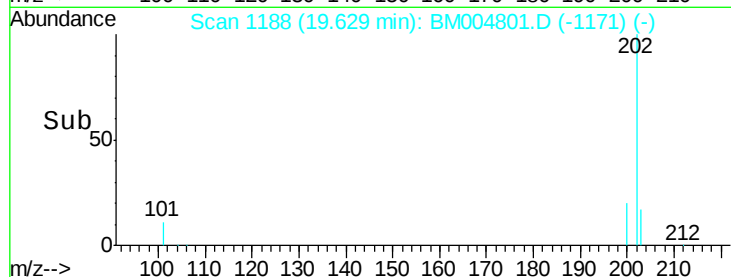
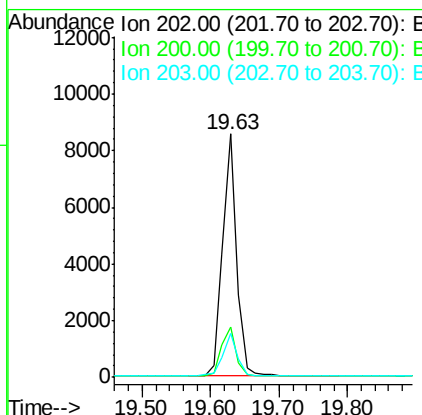
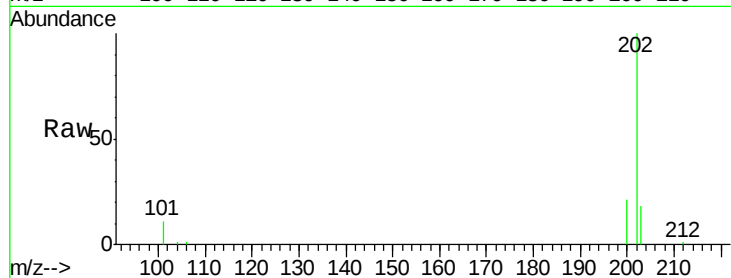
Instrument :

BNA_M

ClientSampleId :

SSTD0.445

Tgt Ion:	202	Resp:	12067
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.8
203	17.9	12.8	19.2



#20

Benzo(a)anthracene

Concen: 0.40 ng/ul

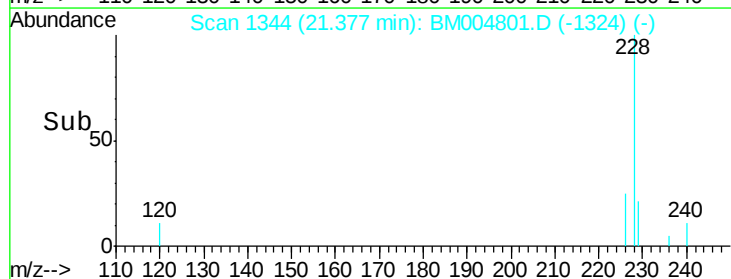
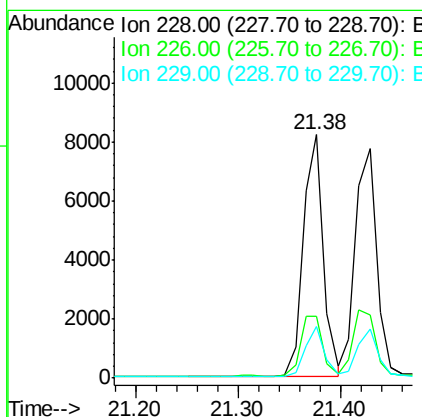
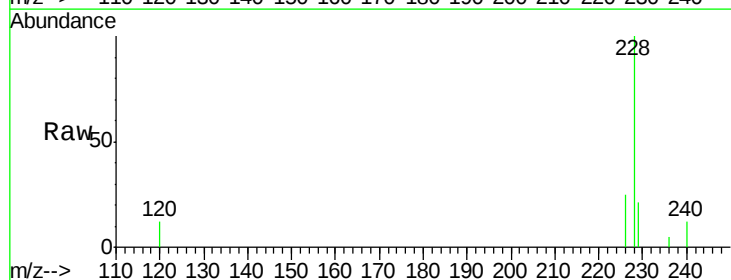
RT: 21.38 min Scan# 1344

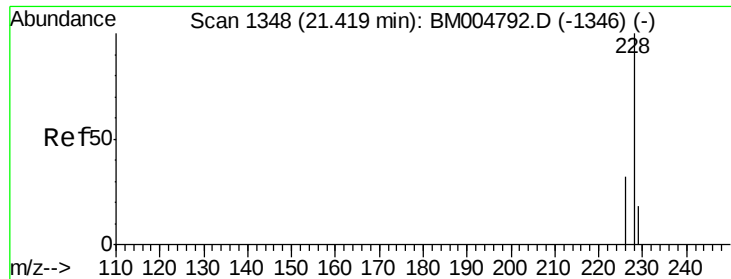
Delta R.T. 0.01 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Tgt Ion:	228	Resp:	11273
Ion	Ratio	Lower	Upper
228	100		
226	25.3	18.8	28.2
229	21.2	17.1	25.7





#21

Chrysene

Concen: 0.42 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

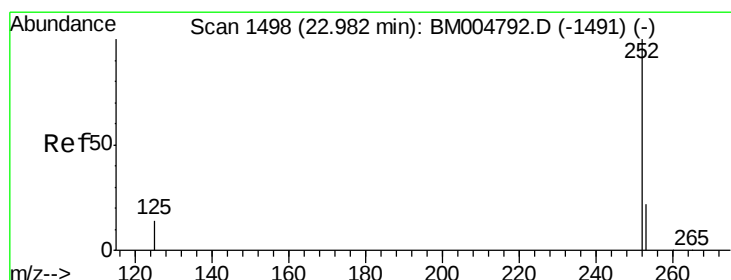
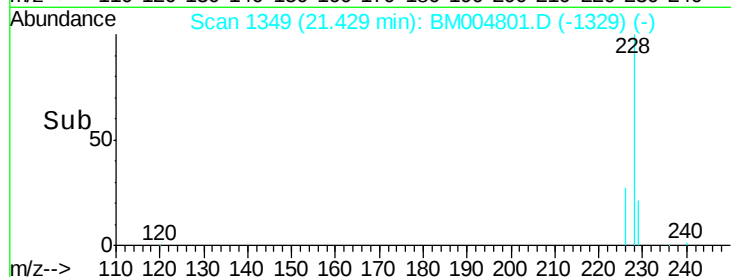
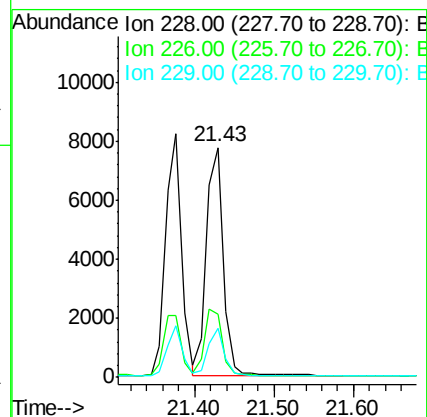
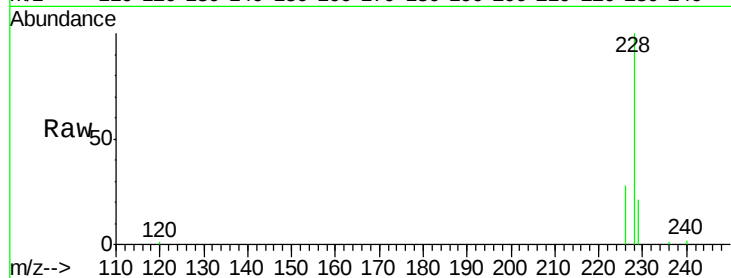
Tgt Ion:228 Resp: 11391

Ion Ratio Lower Upper

228 100

226 27.6 21.2 31.8

229 21.3 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

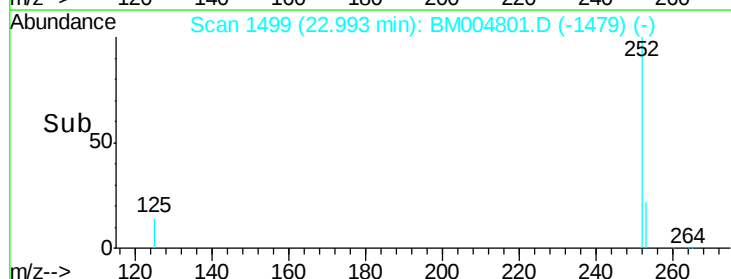
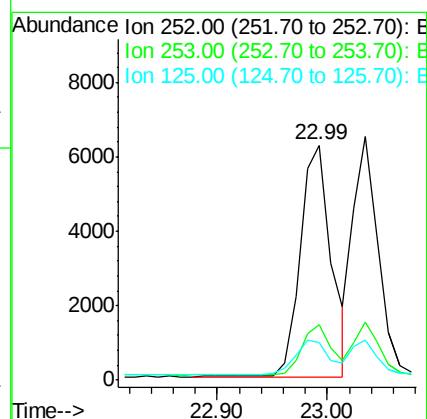
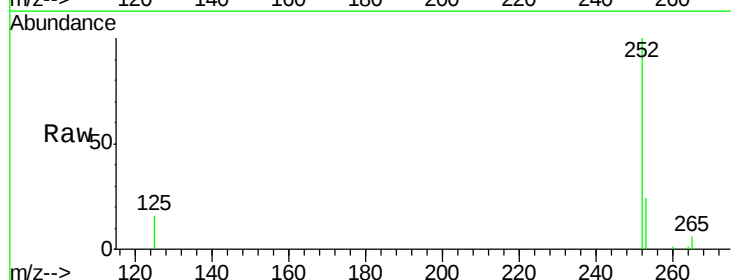
Tgt Ion:252 Resp: 12089

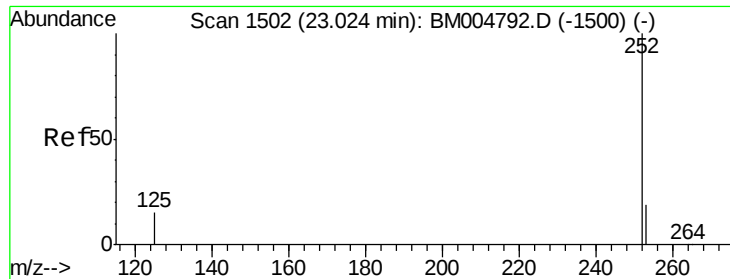
Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

125 16.0 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 23.03 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

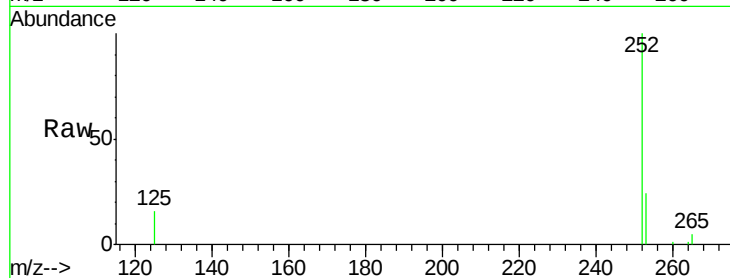
Tgt Ion:252 Resp: 10327

Ion Ratio Lower Upper

252 100

253 23.6 19.8 29.8

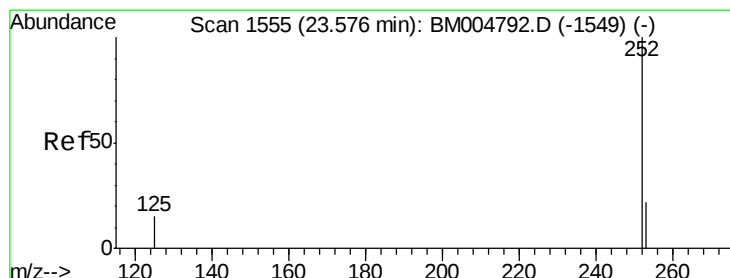
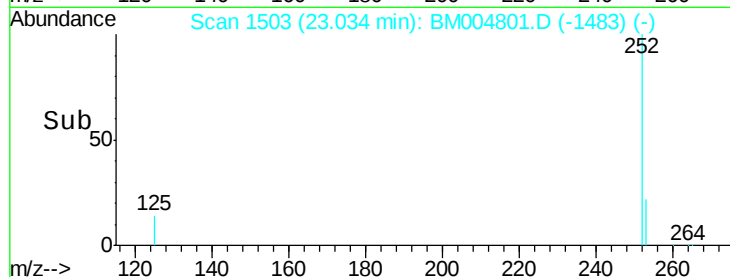
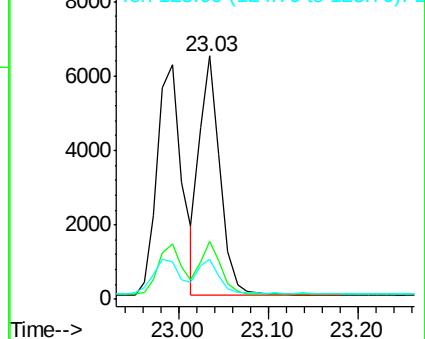
125 16.2 10.4 15.6#



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: 0.41 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

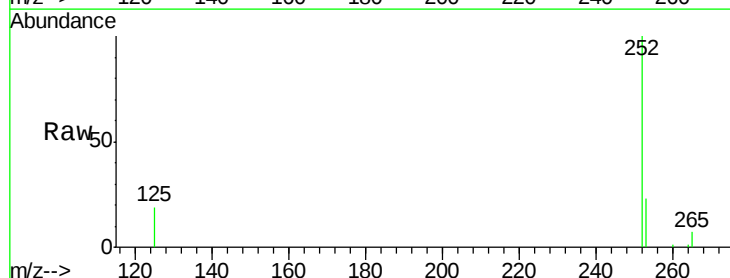
Tgt Ion:252 Resp: 10535

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

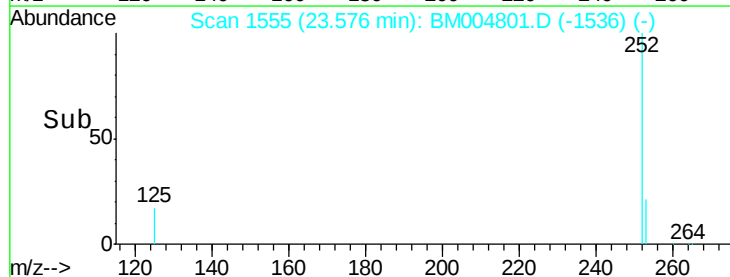
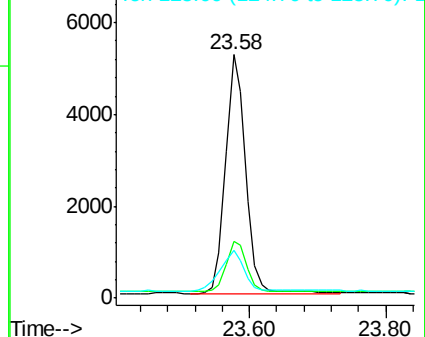
125 19.4 12.7 19.1#

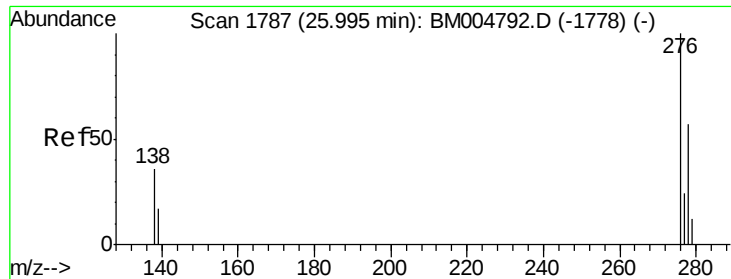


Abundance Ion 252.00 (251.70 to 252.70): E

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: 26.01 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

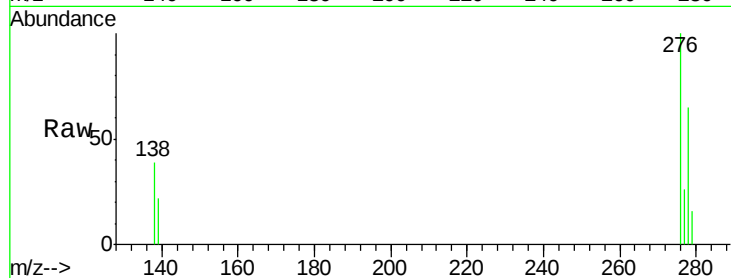
Tgt Ion:276 Resp: 9975

Ion Ratio Lower Upper

276 100

138 37.8 16.3 24.5#

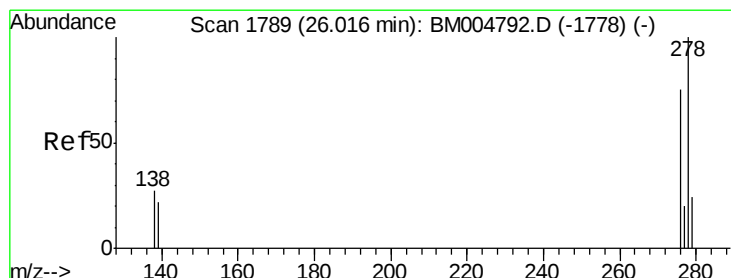
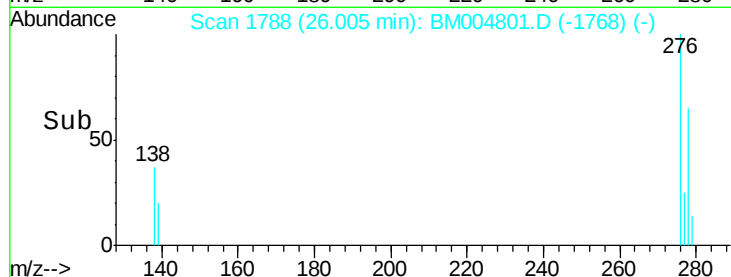
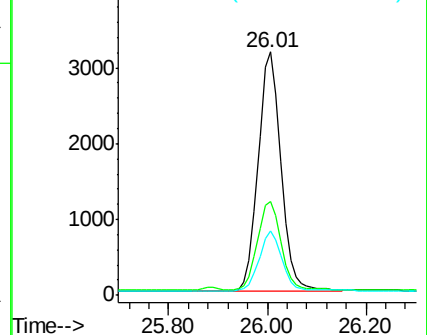
277 25.0 19.8 29.8



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: 26.02 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

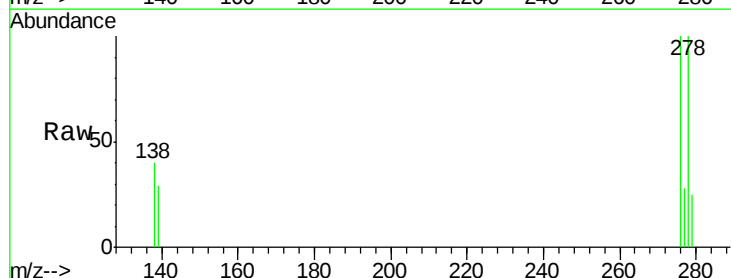
Tgt Ion:278 Resp: 7852

Ion Ratio Lower Upper

278 100

139 28.6 16.4 24.6#

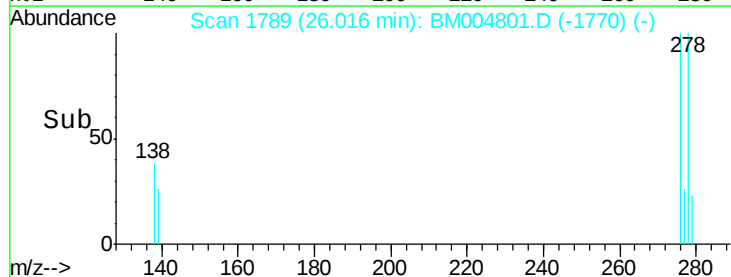
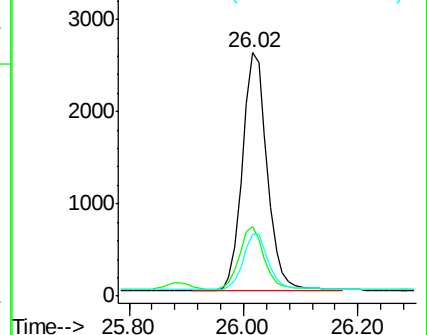
279 25.4 20.2 30.2

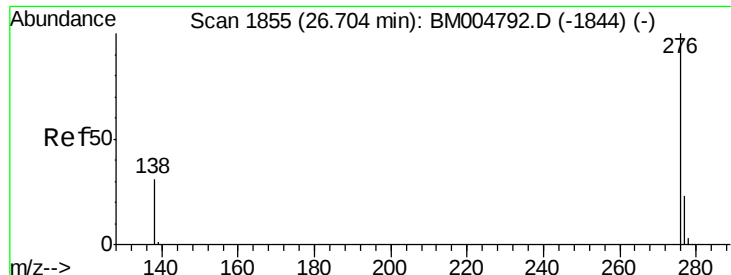


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.43 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM004801.D

Acq: 28 Mar 2016 11:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

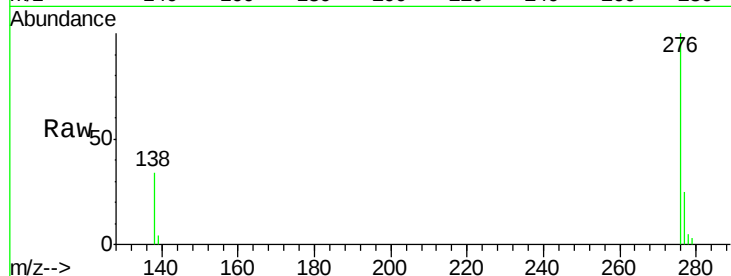
Tgt Ion: 276 Resp: 8376

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 34.4 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

