

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006344.D
 Acq On : 08 Jul 2016 06:44
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.446

Quant Time: Jul 08 08:23:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 08:04:54 2016
 Response via : Initial Calibration

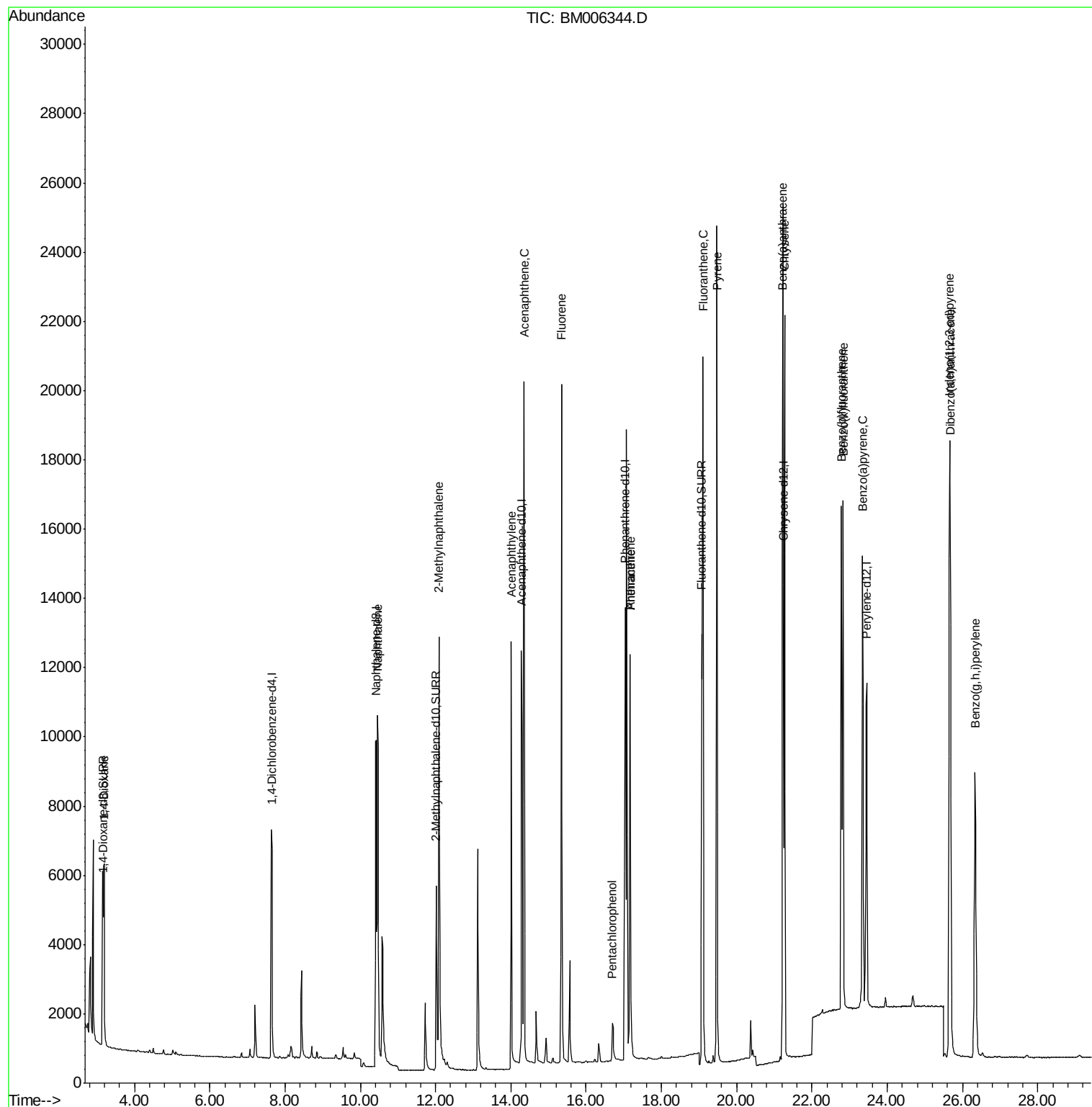
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4292	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	16210	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	8814	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	17782	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	13718	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	13142	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	3841	2.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	8573	0.45	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	17344	0.46	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	4849	2.07	ng/ul#	1
5) Naphthalene	10.46	128	16145	0.43	ng/ul	97
7) 2-Methylnaphthalene	12.09	142	11389	0.45	ng/ul	98
9) Acenaphthylene	14.01	152	12150	0.41	ng/ul	92
10) Acenaphthene	14.35	153	12664	0.43	ng/ul	92
11) Fluorene	15.34	166	14168	0.43	ng/ul	86
13) Pentachlorophenol	16.70	266	1300	0.47	ng/ul	96
14) Phenanthrene	17.18	178	18876	0.38	ng/ul	99
15) Anthracene	17.18	178	20099	0.44	ng/ul	97
17) Fluoranthene	19.11	202	24880	0.46	ng/ul	94
19) Pyrene	19.47	202	23946	0.42	ng/ul	95
20) Benzo(a)anthracene	21.22	228	20054	0.45	ng/ul	96
21) Chrysene	21.27	228	19779	0.45	ng/ul	97
23) Benzo(b)fluoranthene	22.78	252	21159	0.45	ng/ul	96
24) Benzo(k)fluoranthene	22.83	252	18194	0.42	ng/ul	99
25) Benzo(a)pyrene	23.35	252	19086	0.44	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.66	276	22335	0.46	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.67	278	17318	0.46	ng/ul	99
28) Benzo(g,h,i)perylene	26.34	276	18669	0.45	ng/ul	94

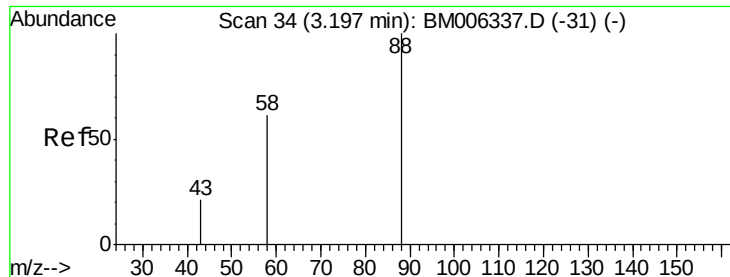
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.07 ng/ul

RT: 3.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

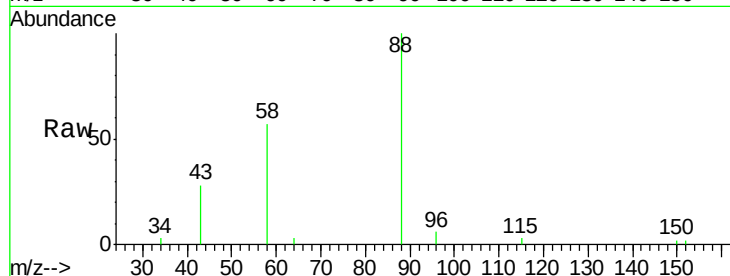
Tgt Ion: 88 Resp: 4849

Ion Ratio Lower Upper

88 100

58 79.5 8.0 12.0#

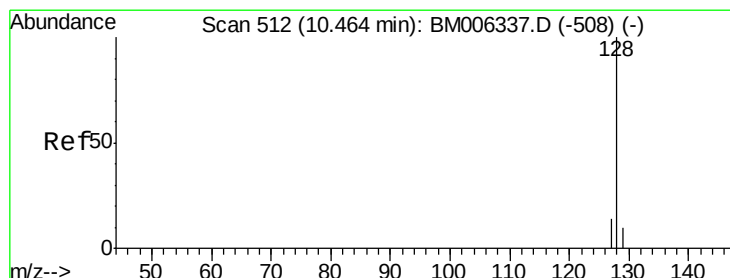
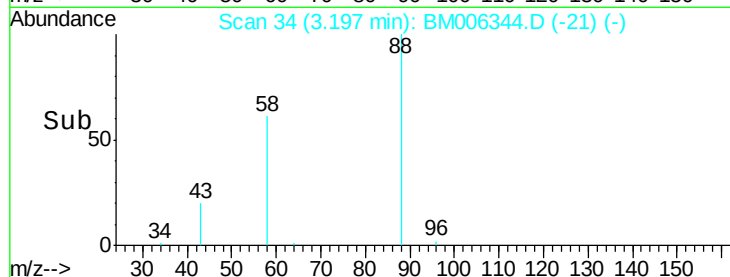
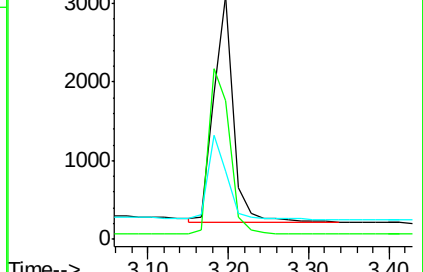
43 37.5 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM006344.D (-21) (-)

Ion 58.00 (57.70 to 58.70): BM006344.D (-21) (-)

Ion 43.00 (42.70 to 43.70): BM006344.D (-21) (-)



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

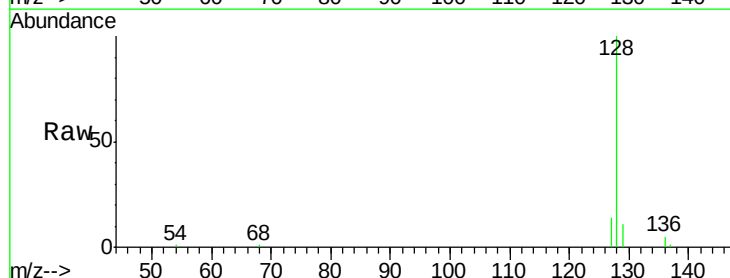
Tgt Ion: 128 Resp: 16145

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

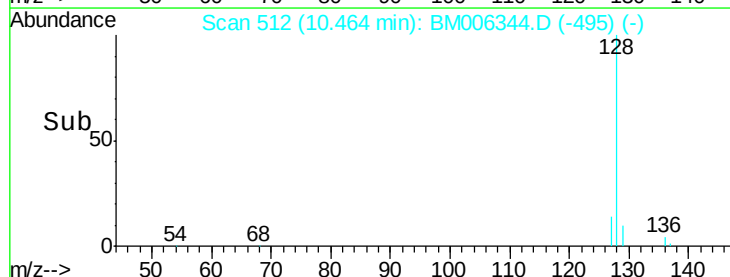
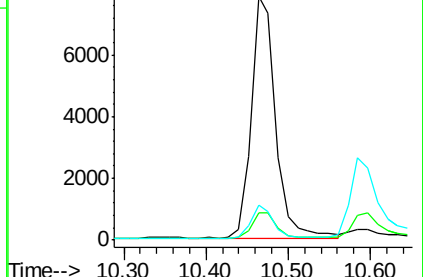
127 14.3 9.6 14.4

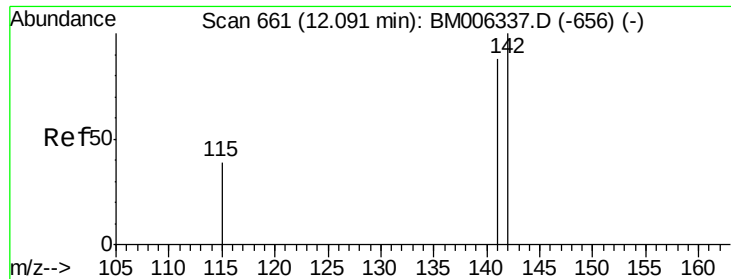


Abundance Ion 128.00 (127.70 to 128.70): BM006344.D (-495) (-)

Ion 129.00 (128.70 to 129.70): BM006344.D (-495) (-)

Ion 127.00 (126.70 to 127.70): BM006344.D (-495) (-)





#7

2-Methylnaphthalene

Concen: 0.45 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

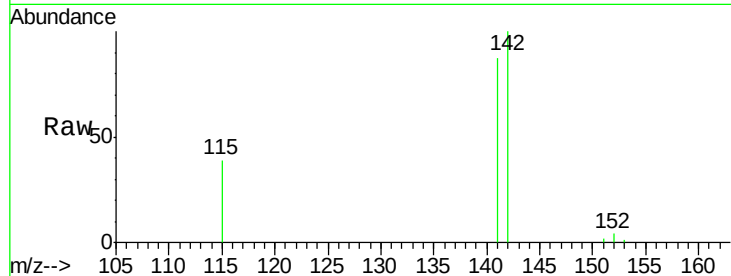
SSTD0.446

Tgt Ion:142 Resp: 11389

Ion Ratio Lower Upper

142 100

141 89.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

6000

5000

4000

3000

2000

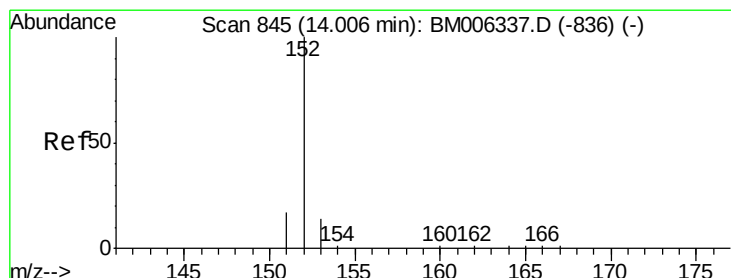
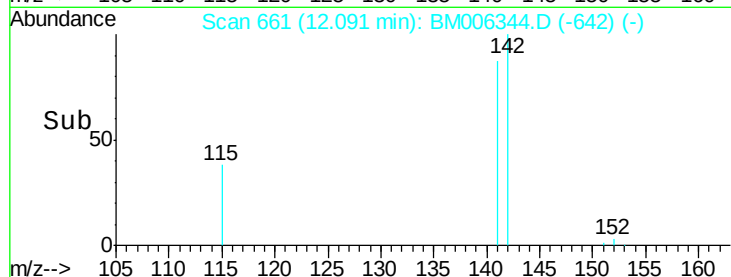
1000

0

12.09

12.00 12.10 12.20 12.30

Time-->



#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

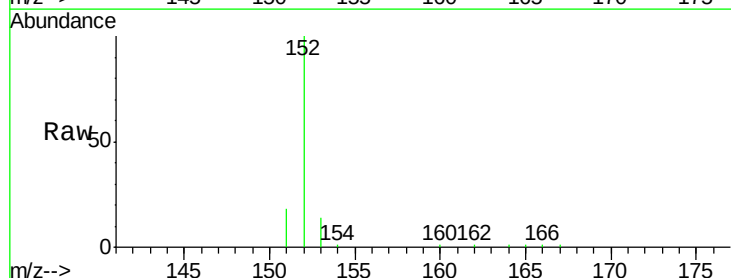
Tgt Ion:152 Resp: 12150

Ion Ratio Lower Upper

152 100

151 17.8 17.6 26.4

153 14.5 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

12000

10000

8000

6000

4000

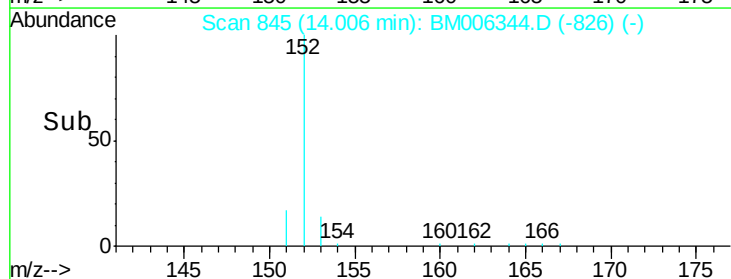
2000

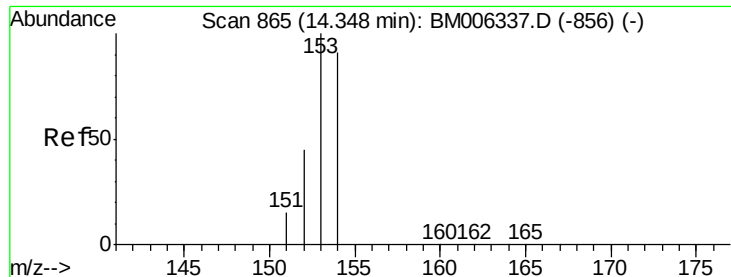
0

14.01

13.90 14.00 14.10

Time-->





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

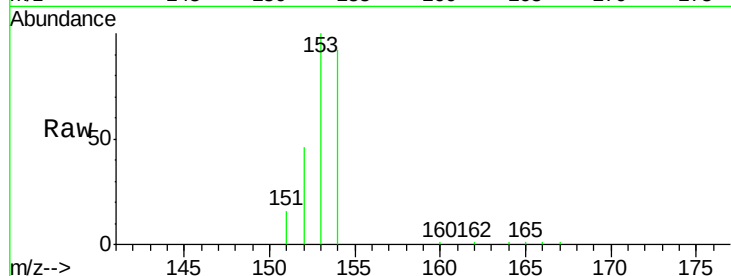
Tgt Ion:153 Resp: 12664

Ion Ratio Lower Upper

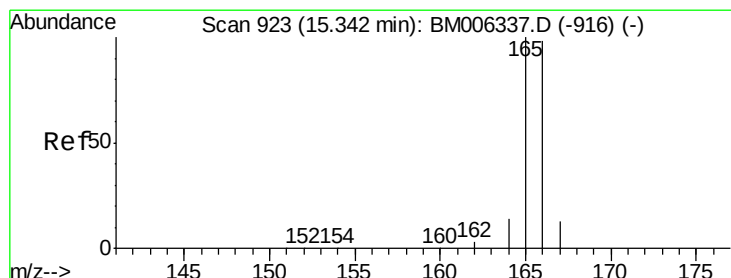
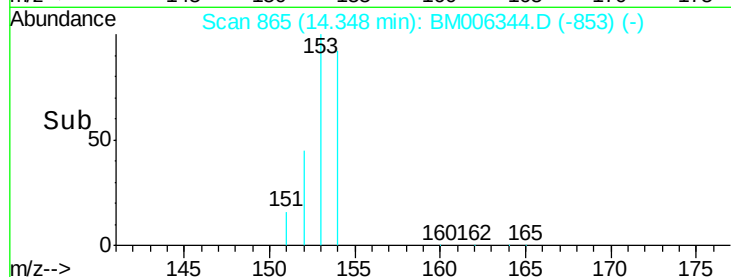
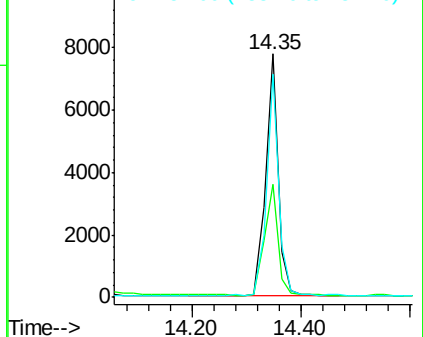
153 100

152 46.2 33.9 50.9

154 91.7 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: 0.43 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

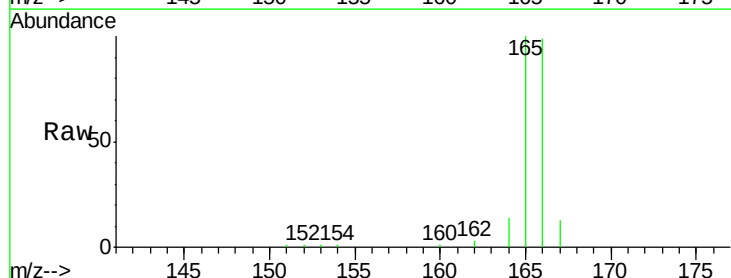
Tgt Ion:166 Resp: 14168

Ion Ratio Lower Upper

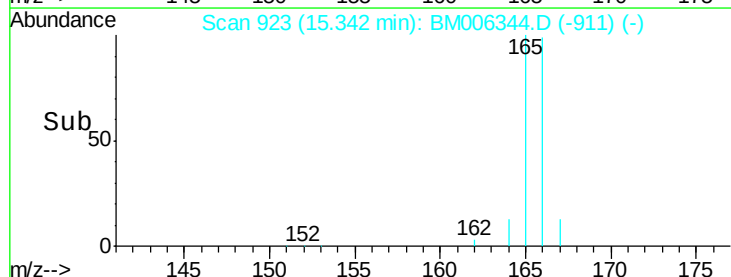
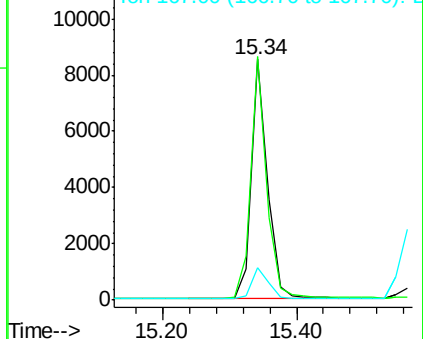
166 100

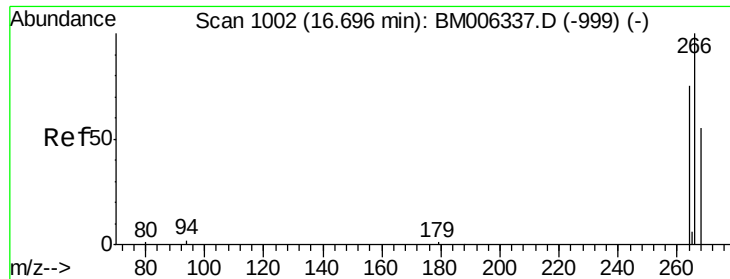
165 101.1 69.6 104.4

167 13.3 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

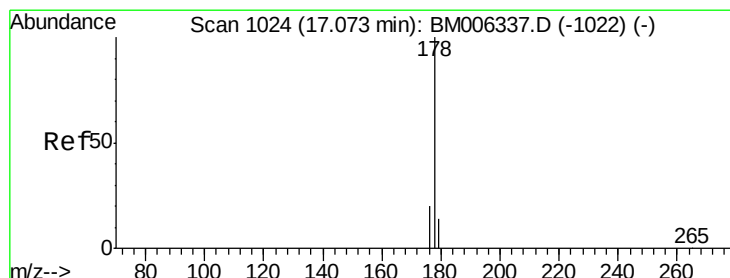
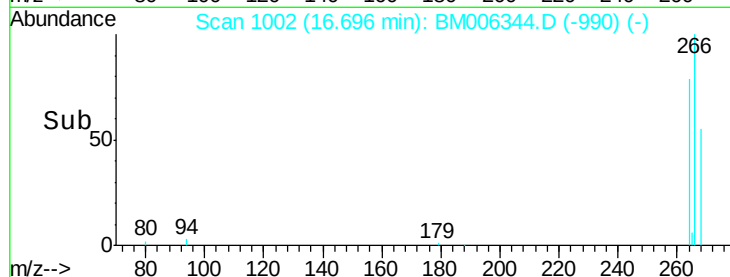
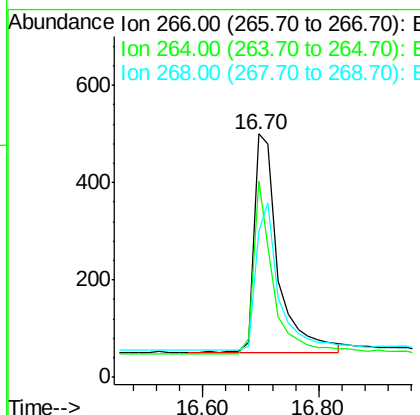
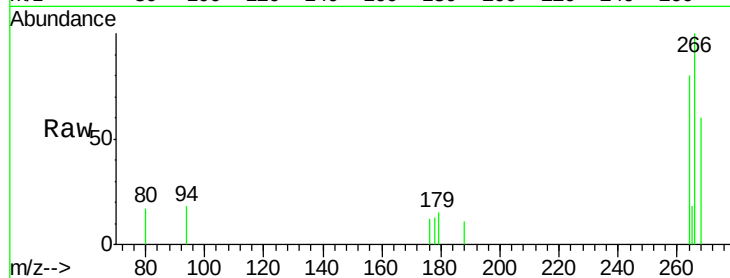




#13
 Pentachlorophenol
 Concen: 0.47 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: BM006344.D
 Acq: 08 Jul 2016 06:44

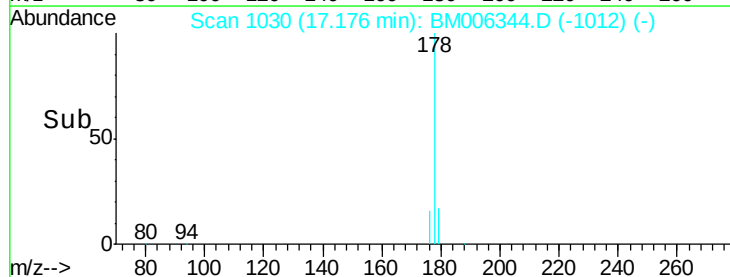
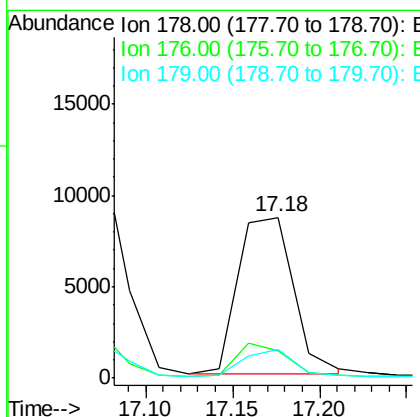
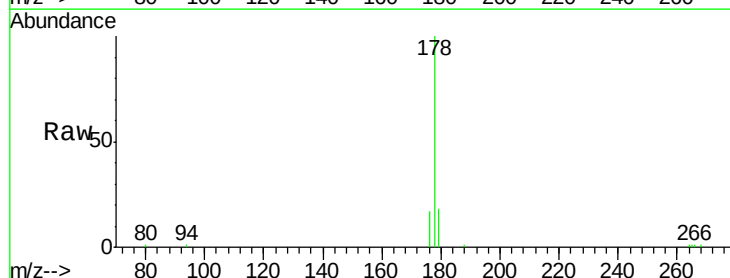
Instrument :
 BNA_M
 ClientSampleId :
 SST0.446

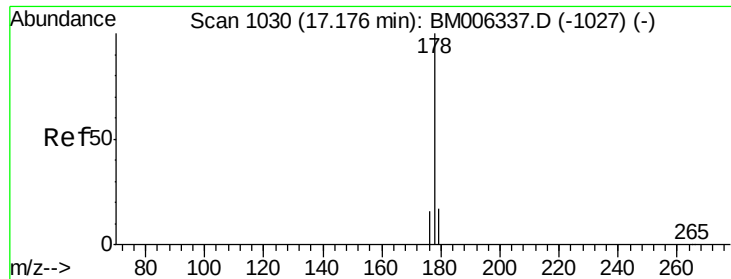
Tgt Ion: 266 Resp: 1300
 Ion Ratio Lower Upper
 266 100
 264 64.6 51.8 77.8
 268 64.6 46.8 70.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 17.18 min Scan# 1030
 Delta R.T. 0.10 min
 Lab File: BM006344.D
 Acq: 08 Jul 2016 06:44

Tgt Ion: 178 Resp: 18876
 Ion Ratio Lower Upper
 178 100
 176 16.9 13.0 19.4
 179 17.9 14.2 21.2





#15

Anthracene

Concen: 0.44 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

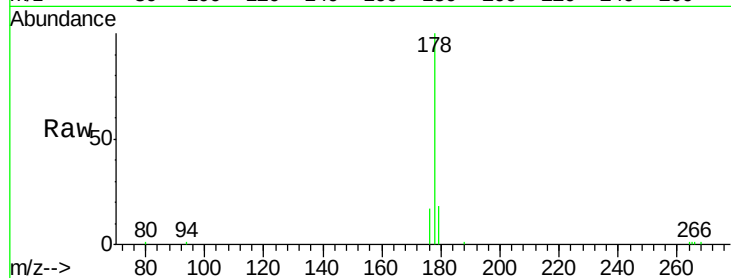
Tgt Ion:178 Resp: 20099

Ion Ratio Lower Upper

178 100

176 16.9 14.0 21.0

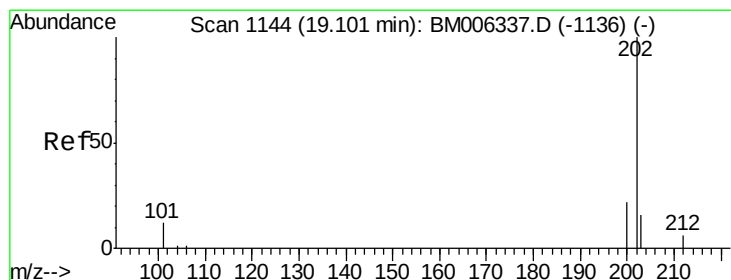
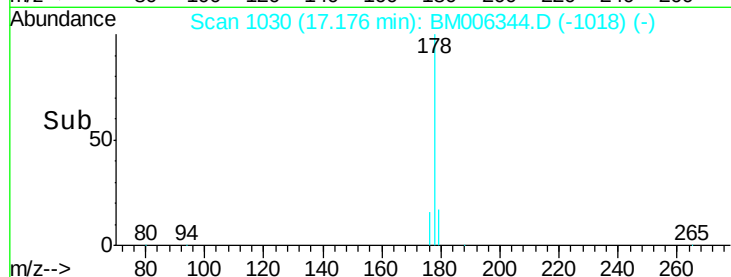
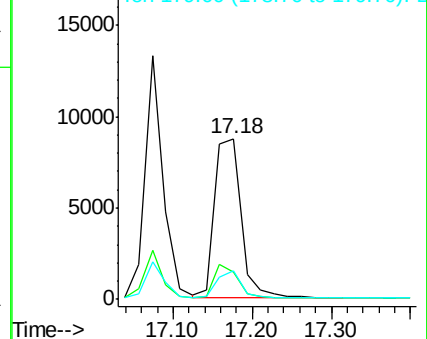
179 17.9 12.9 19.3



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: 0.46 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

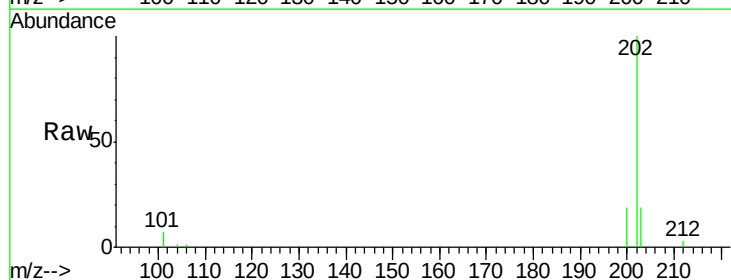
Tgt Ion:202 Resp: 24880

Ion Ratio Lower Upper

202 100

101 7.2 0.0 29.6

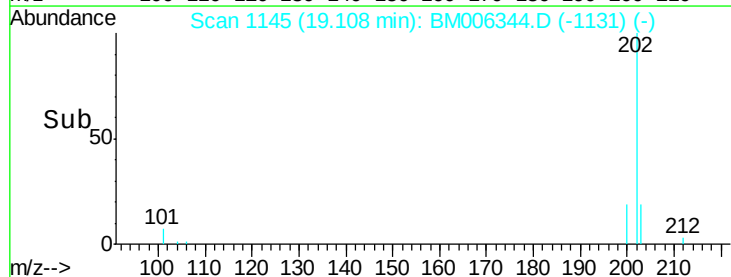
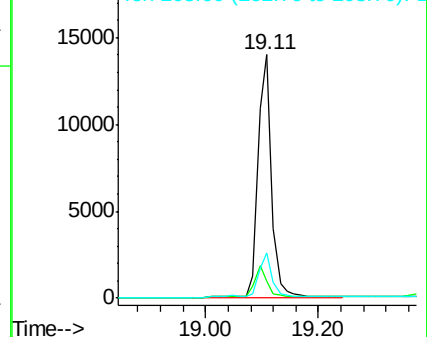
203 18.7 0.0 36.3

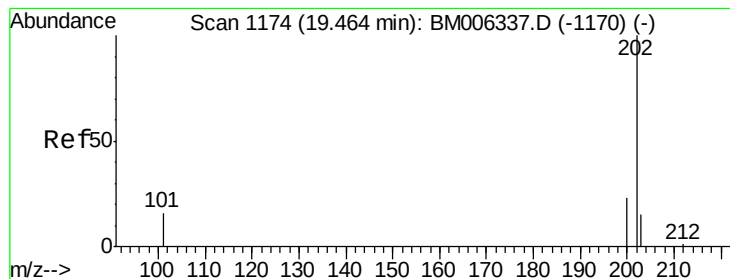


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

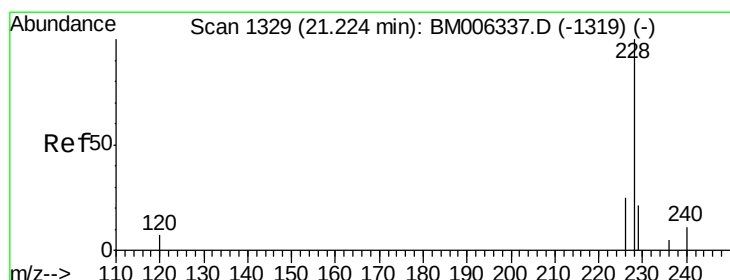
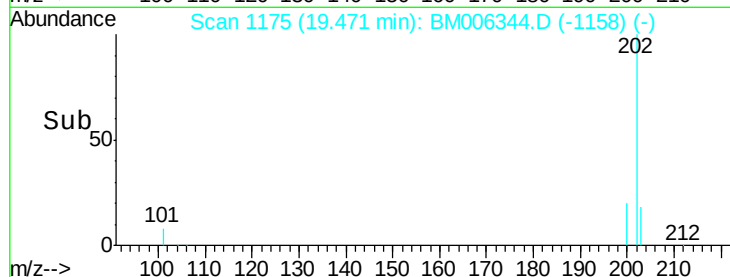
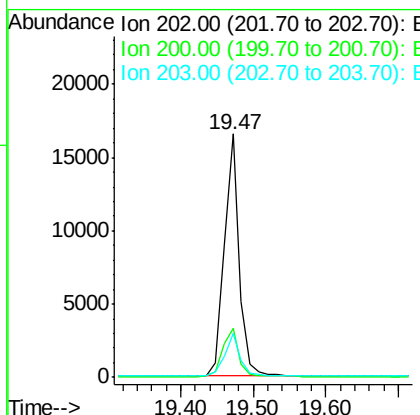
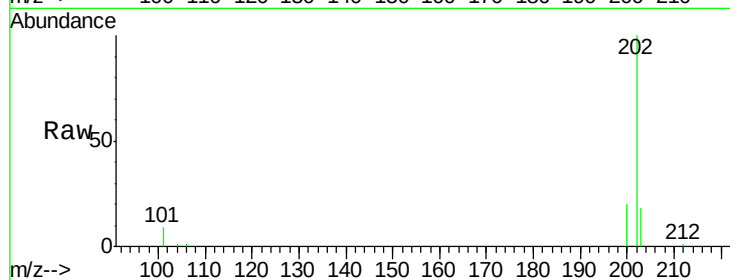




#19
Pyrene
Concen: 0.42 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BM006344.D
Acq: 08 Jul 2016 06:44

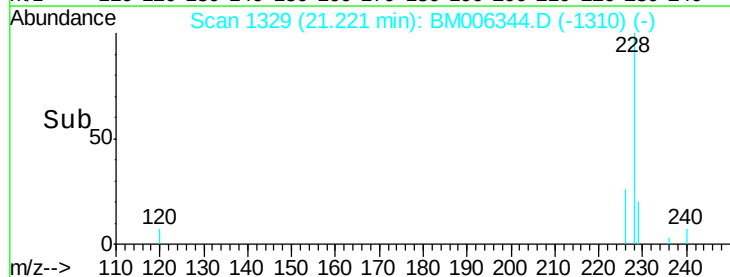
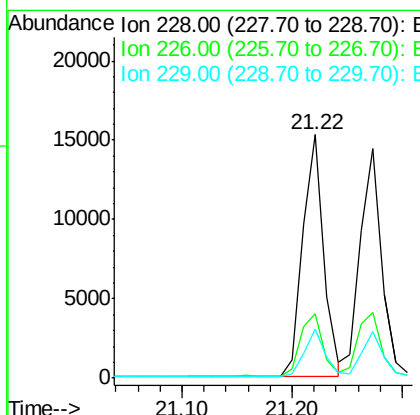
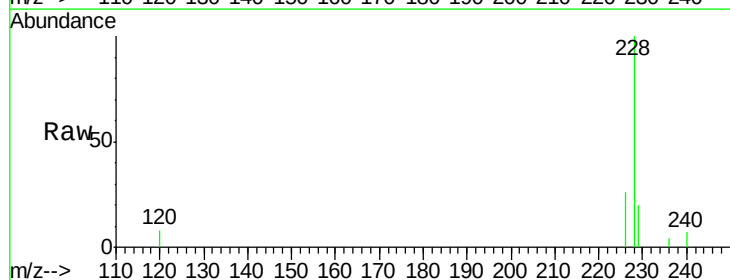
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BNA_M
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SSTD0.446

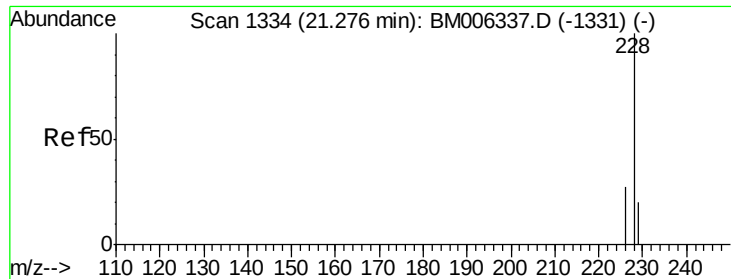
Tgt Ion: 202 Resp: 23946
Ion Ratio Lower Upper
202 100
200 20.1 17.8 26.8
203 18.3 12.8 19.2



#20
Benzo(a)anthracene
Concen: 0.45 ng/ul
RT: 21.22 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM006344.D
Acq: 08 Jul 2016 06:44

Tgt Ion: 228 Resp: 20054
Ion Ratio Lower Upper
228 100
226 26.4 18.8 28.2
229 20.4 17.1 25.7





#21

Chrysene

Concen: 0.45 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

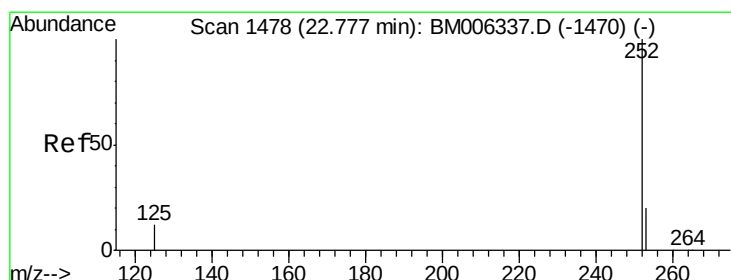
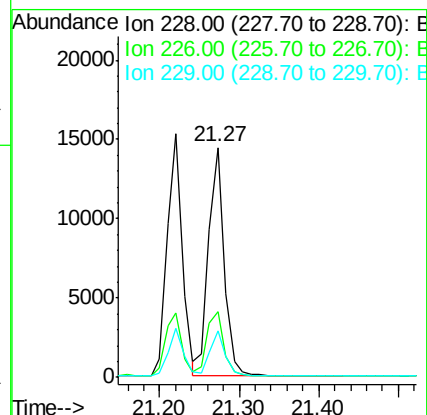
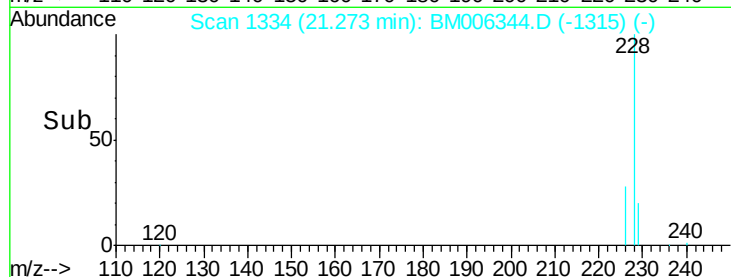
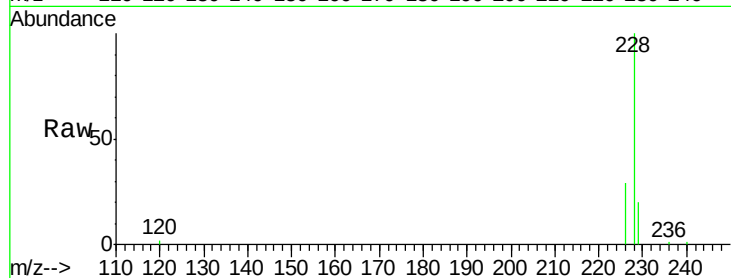
Tgt Ion:228 Resp: 19779

Ion Ratio Lower Upper

228 100

226 28.7 21.2 31.8

229 20.4 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

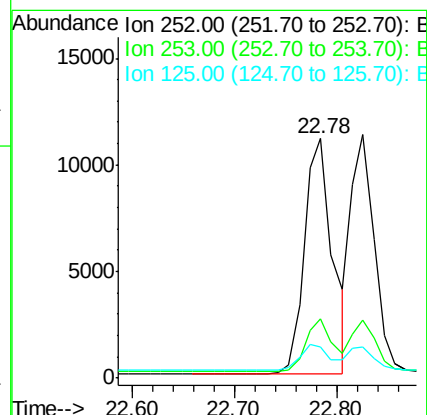
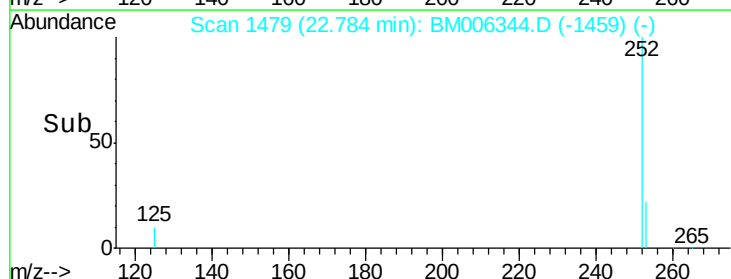
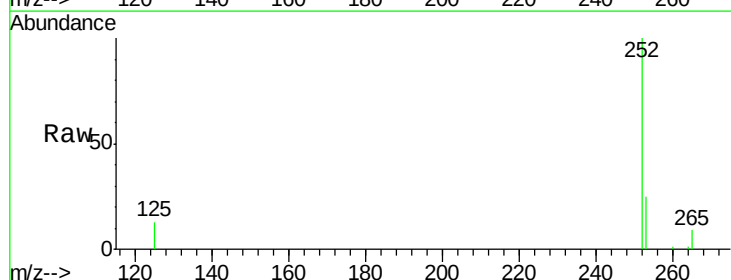
Tgt Ion:252 Resp: 21159

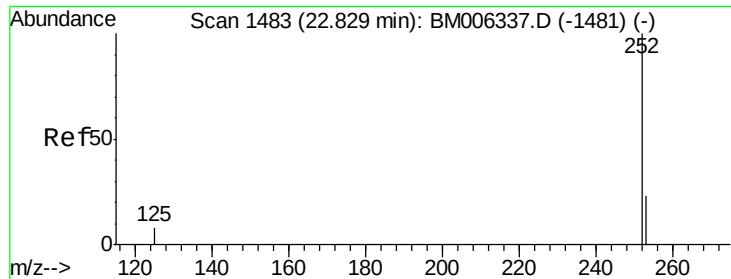
Ion Ratio Lower Upper

252 100

253 24.8 0.0 45.4

125 13.2 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

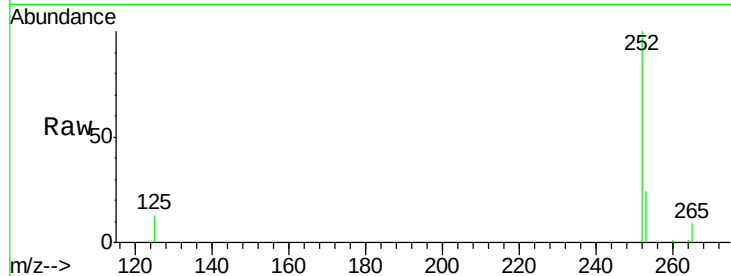
Tgt Ion:252 Resp: 18194

Ion Ratio Lower Upper

252 100

253 24.1 19.8 29.8

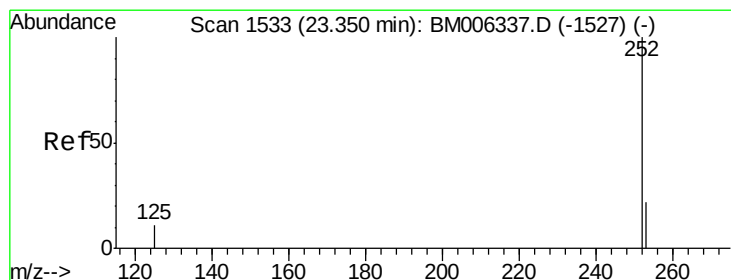
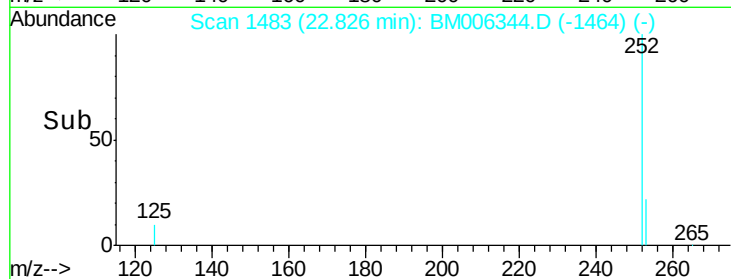
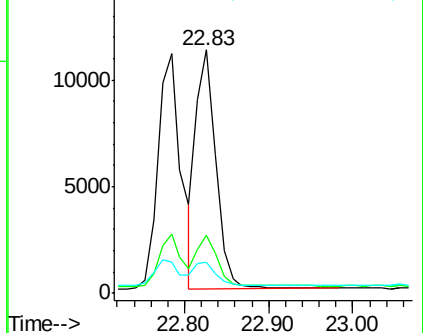
125 13.0 10.4 15.6



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: 23.35 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

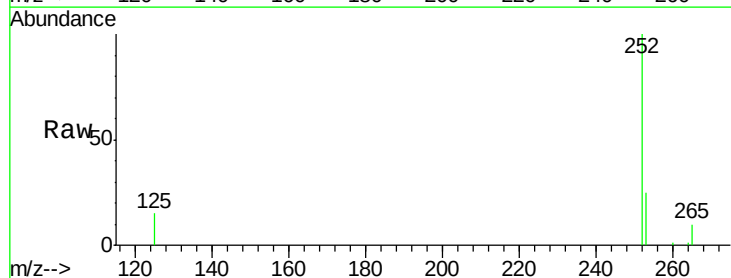
Tgt Ion:252 Resp: 19086

Ion Ratio Lower Upper

252 100

253 24.6 19.4 29.2

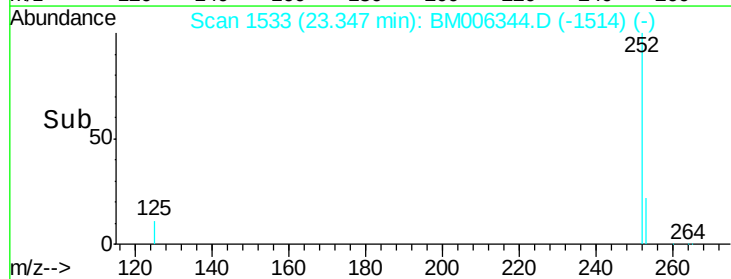
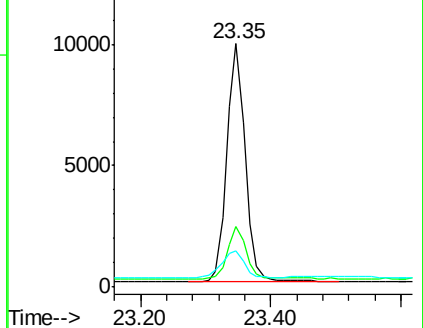
125 14.9 12.7 19.1

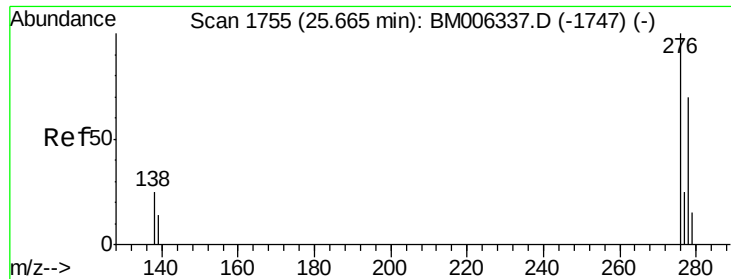


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.46 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

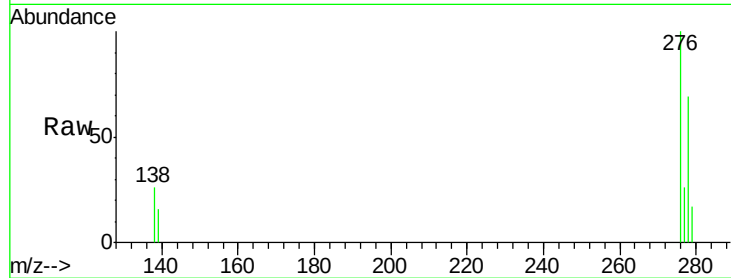
Tgt Ion:276 Resp: 22335

Ion Ratio Lower Upper

276 100

138 27.9 16.3 24.5#

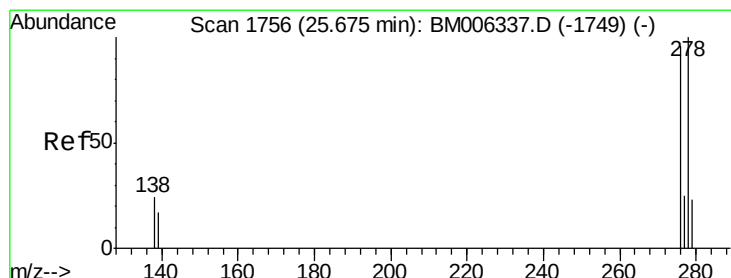
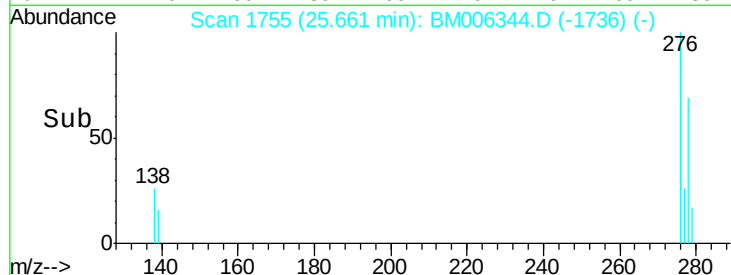
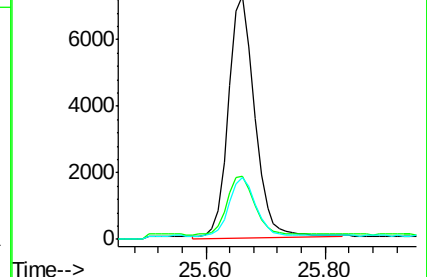
277 26.2 19.8 29.8



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: 0.46 ng/ul

RT: 25.67 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BM006344.D

Acq: 08 Jul 2016 06:44

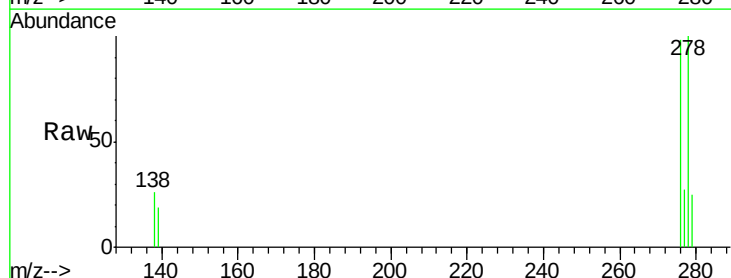
Tgt Ion:278 Resp: 17318

Ion Ratio Lower Upper

278 100

139 19.4 16.4 24.6

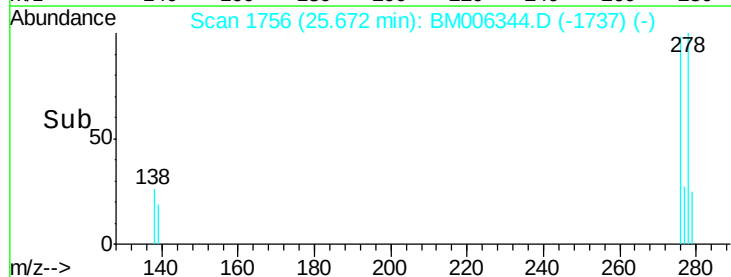
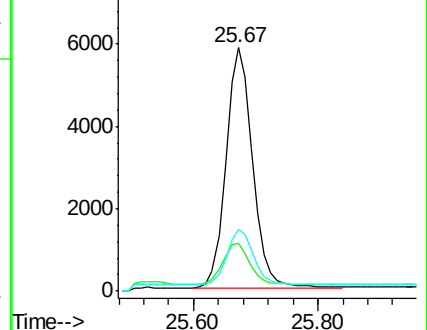
279 25.2 20.2 30.2

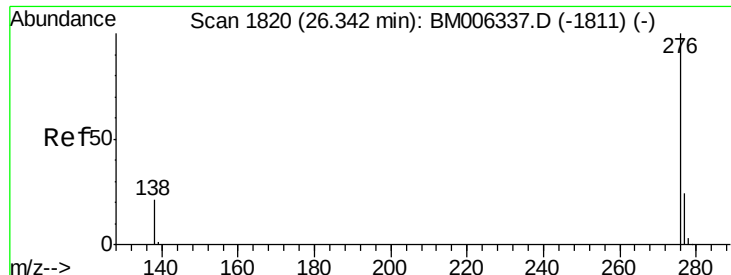


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.45 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BM006344.D

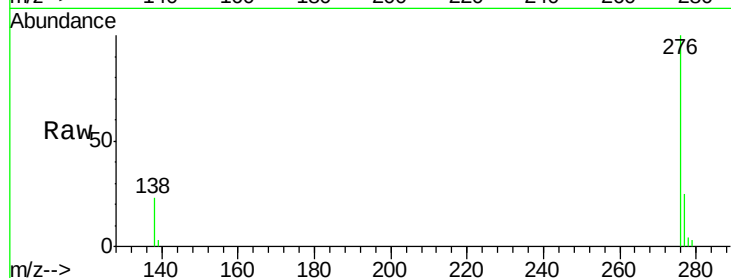
Acq: 08 Jul 2016 06:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.446



Tgt Ion: 276 Resp: 18669

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 23.2 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

