

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006310.D
 Acq On : 07 Jul 2016 08:59
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.443

Quant Time: Jul 08 01:27:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

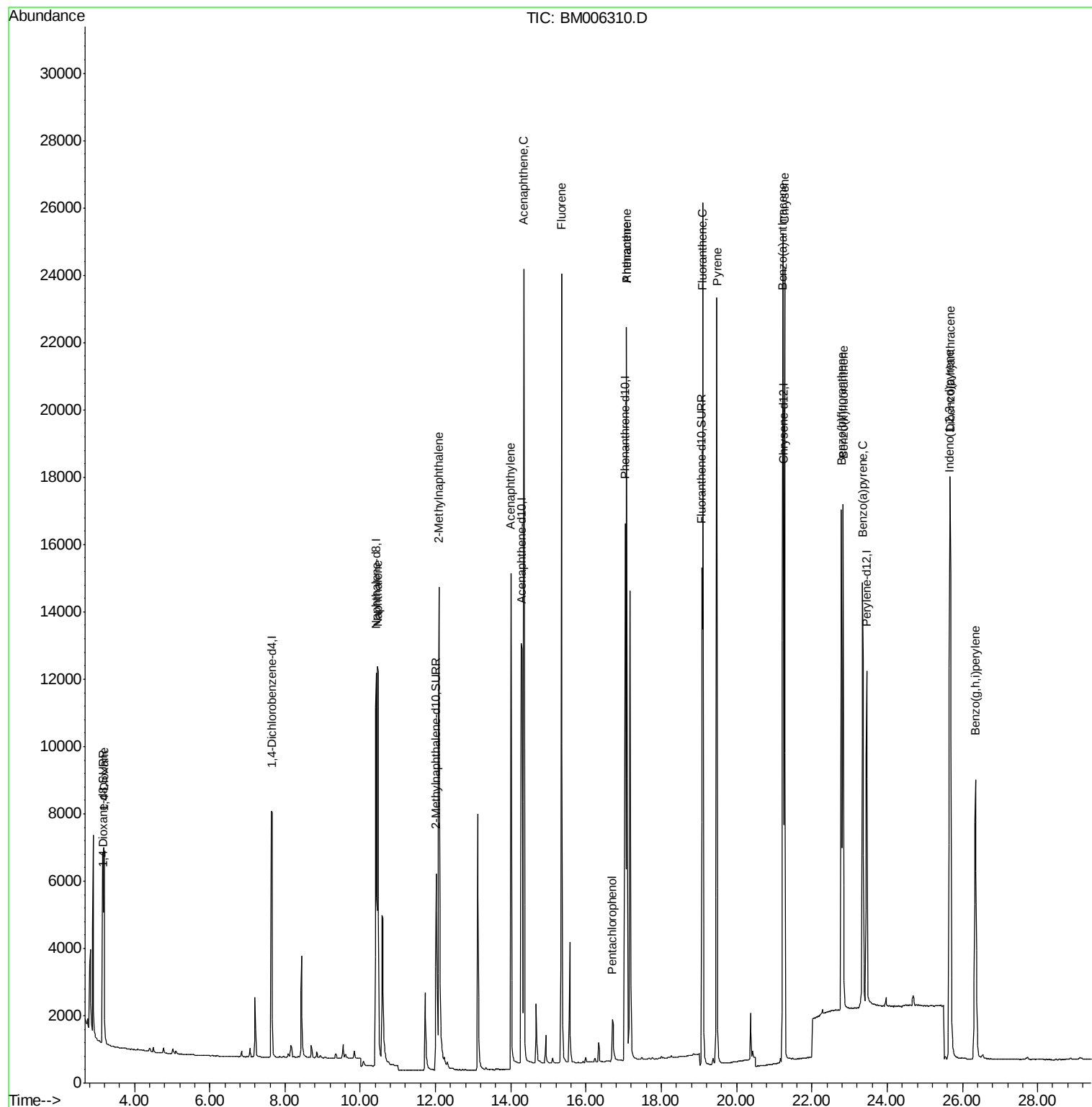
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4902	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19188	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10309	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	21135	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	14469	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	13151	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	4180	2.02	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	10003	0.45	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	19787	0.44	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	5397	2.01	ng/ul#	1
5) Naphthalene	10.48	128	19480	0.44	ng/ul	99
7) 2-Methylnaphthalene	12.09	142	13481	0.45	ng/ul	98
9) Acenaphthylene	14.01	152	15003	0.43	ng/ul	93
10) Acenaphthene	14.35	153	14819	0.43	ng/ul	91
11) Fluorene	15.34	166	16897	0.44	ng/ul	84
13) Pentachlorophenol	16.70	266	1519	0.47	ng/ul	95
14) Phenanthrene	17.07	178	25602	0.44	ng/ul#	92
15) Anthracene	17.07	178	25586	0.47	ng/ul	95
17) Fluoranthene	19.10	202	28688	0.45	ng/ul	96
19) Pyrene	19.48	202	26853	0.44	ng/ul	93
20) Benzo(a)anthracene	21.22	228	21241	0.45	ng/ul	95
21) Chrysene	21.28	228	19860	0.43	ng/ul	96
23) Benzo(b)fluoranthene	22.79	252	20328	0.43	ng/ul	98
24) Benzo(k)fluoranthene	22.83	252	18901	0.43	ng/ul	97
25) Benzo(a)pyrene	23.35	252	18965	0.43	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.66	276	21855	0.45	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.68	278	17399	0.46	ng/ul	99
28) Benzo(g,h,i)perylene	26.34	276	18406	0.45	ng/ul	96

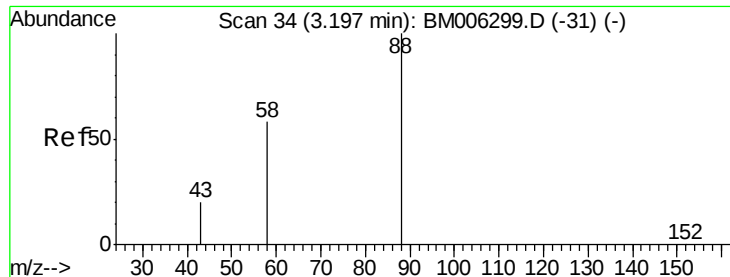
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.01 ng/ul

RT: 3.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

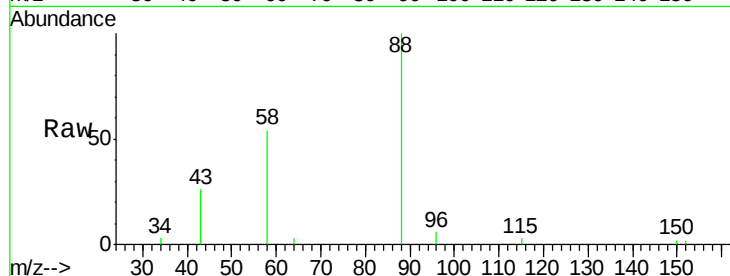
Tgt Ion: 88 Resp: 5397

Ion Ratio Lower Upper

88 100

58 77.7 8.0 12.0#

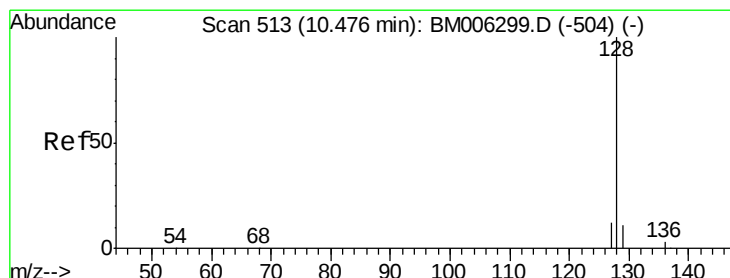
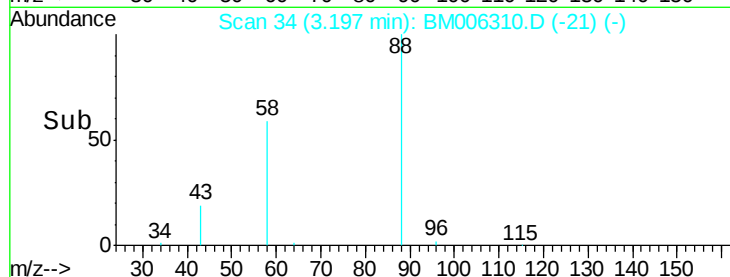
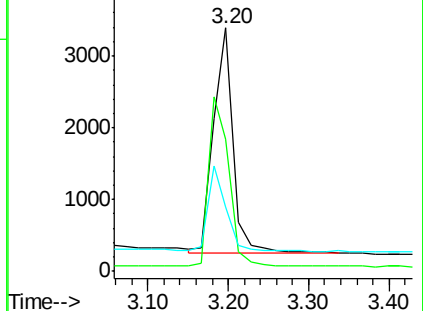
43 35.3 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM006310.D (-21) (-)

Ion 58.00 (57.70 to 58.70): BM006310.D (-21) (-)

Ion 43.00 (42.70 to 43.70): BM006310.D (-21) (-)



#5

Naphthalene

Concen: 0.44 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

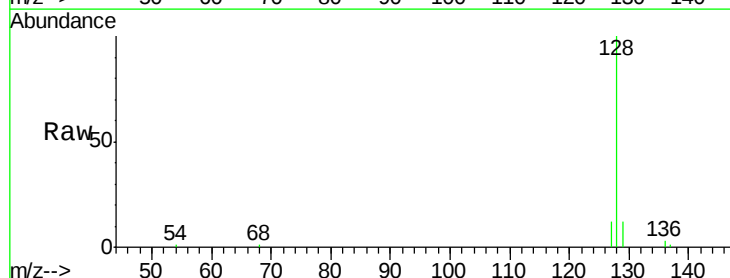
Tgt Ion: 128 Resp: 19480

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

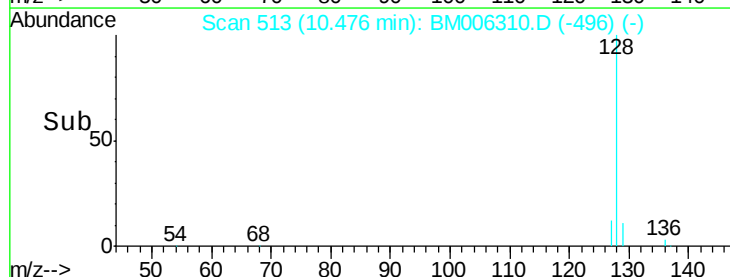
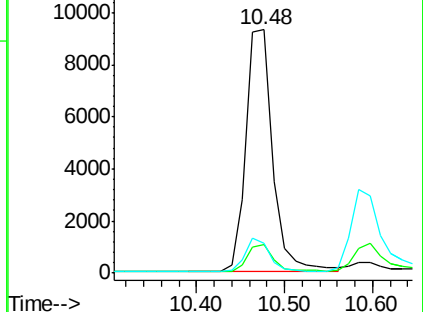
127 12.3 9.6 14.4

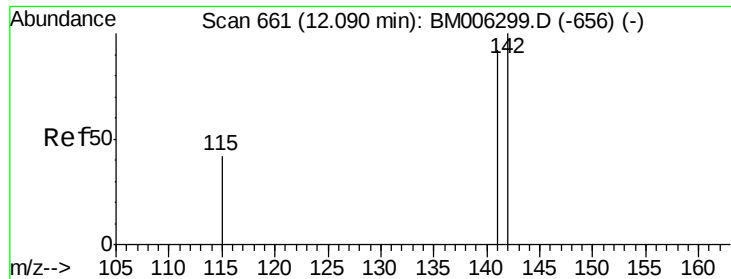


Abundance Ion 128.00 (127.70 to 128.70): BM006310.D (-496) (-)

Ion 129.00 (128.70 to 129.70): BM006310.D (-496) (-)

Ion 127.00 (126.70 to 127.70): BM006310.D (-496) (-)





#7

2-Methylnaphthalene

Concen: 0.45 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

ClientSampleId :

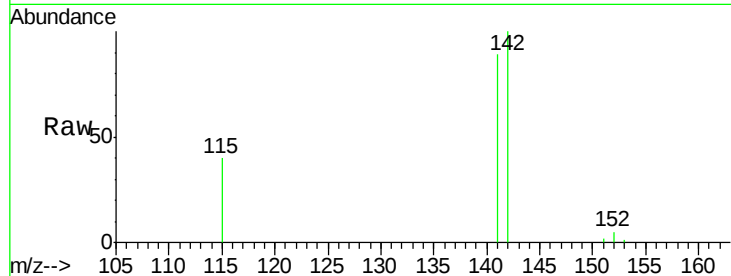
SSTD0.443

Tgt Ion:142 Resp: 13481

Ion Ratio Lower Upper

142 100

141 89.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.09

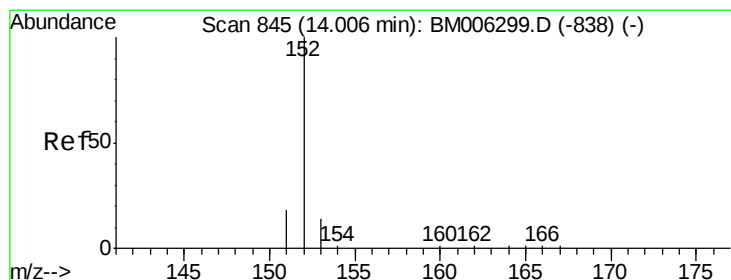
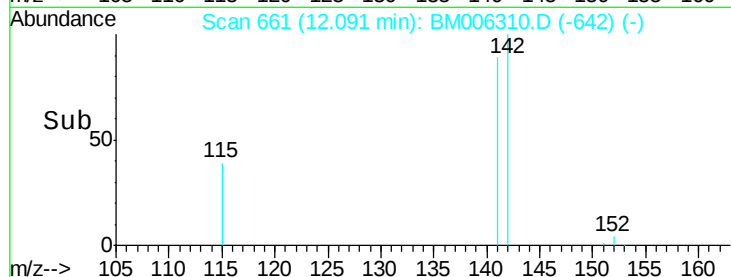
6000

4000

2000

0

Time--> 12.00 12.10 12.20 12.30



#9

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

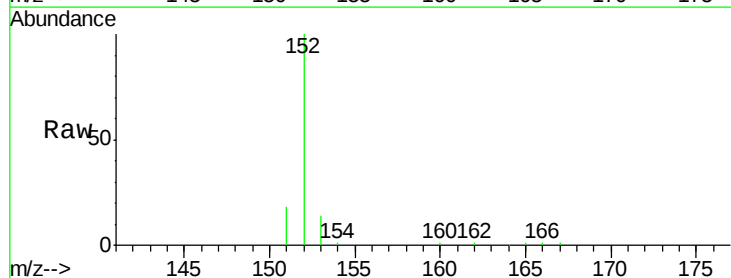
Tgt Ion:152 Resp: 15003

Ion Ratio Lower Upper

152 100

151 18.2 17.6 26.4

153 14.1 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

14.01

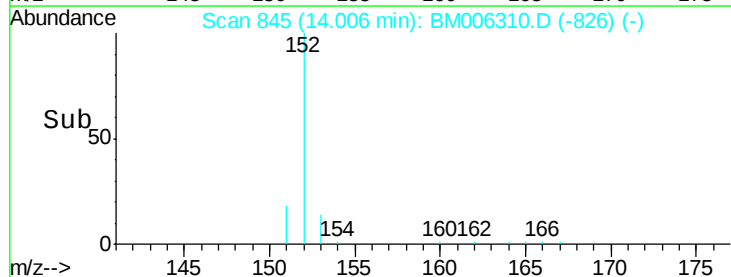
15000

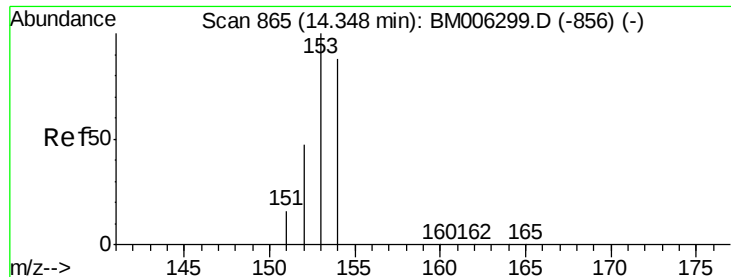
10000

5000

0

Time--> 13.90 14.00 14.10 14.20





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

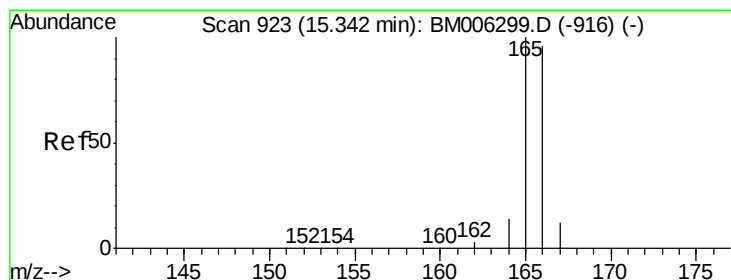
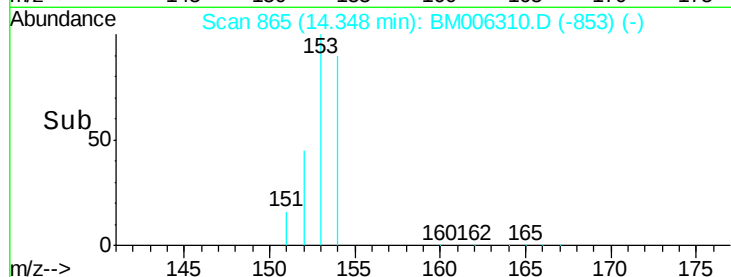
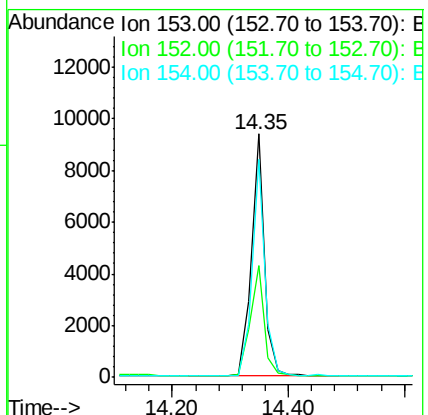
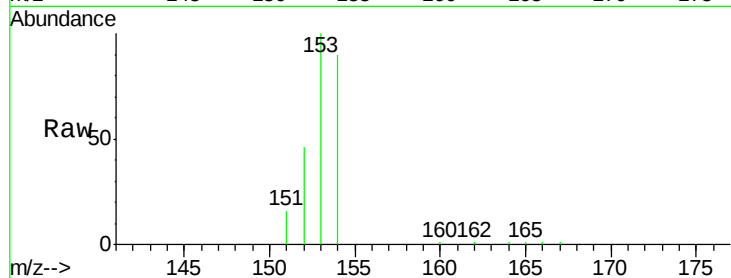
Tgt Ion:153 Resp: 14819

Ion Ratio Lower Upper

153 100

152 46.1 33.9 50.9

154 89.7 80.6 121.0



#11

Fluorene

Concen: 0.44 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

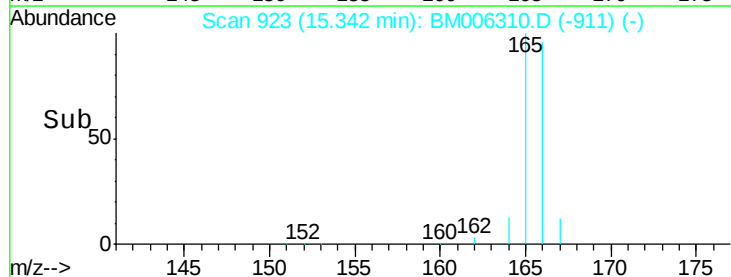
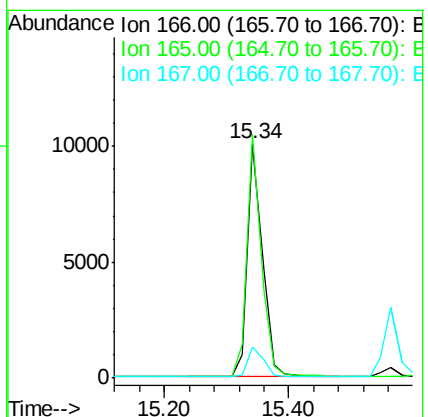
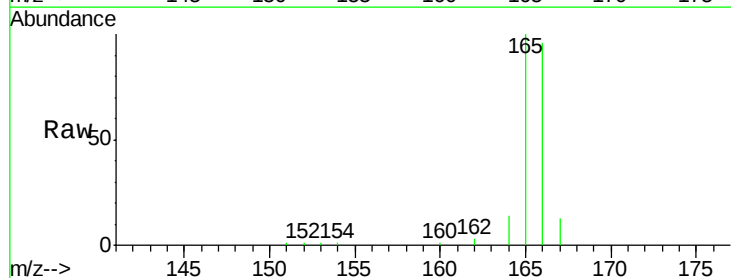
Tgt Ion:166 Resp: 16897

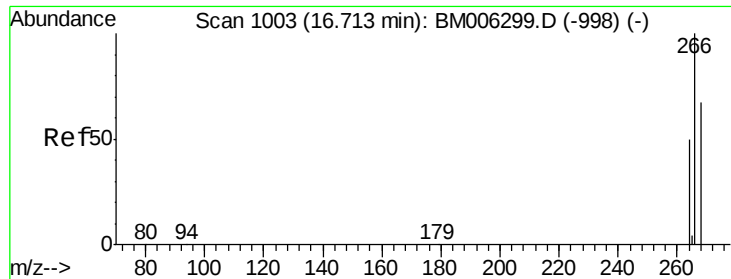
Ion Ratio Lower Upper

166 100

165 104.1 69.6 104.4

167 13.1 11.9 17.9

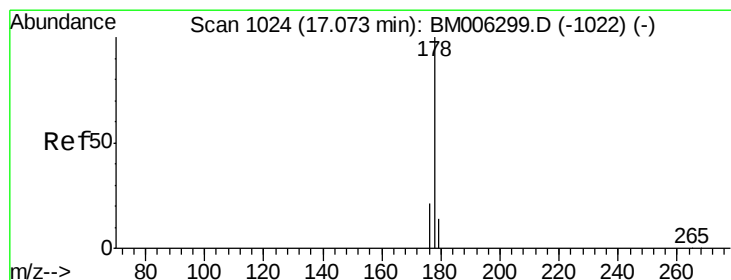
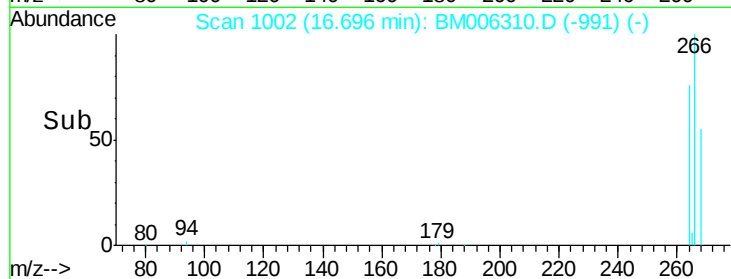
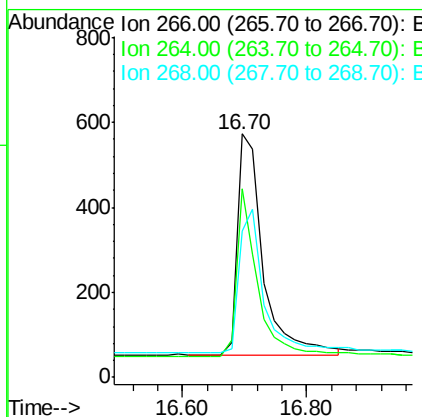
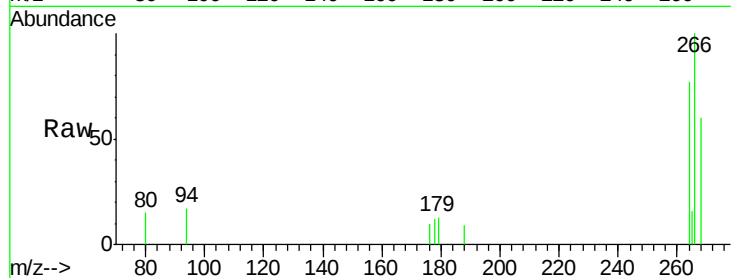




#13
 Pentachlorophenol
 Concen: 0.47 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: BM006310.D
 Acq: 07 Jul 2016 08:59

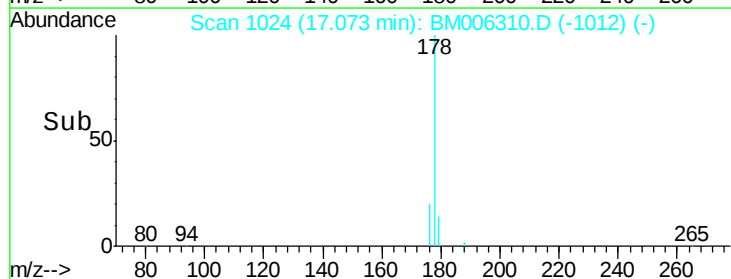
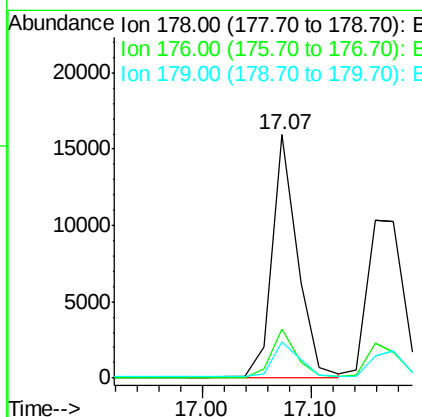
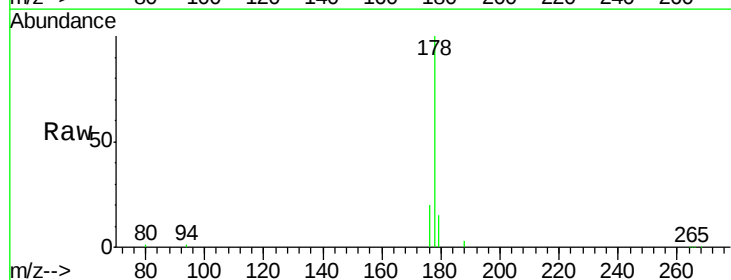
Instrument :
 BNA_M
 ClientSampleId :
 SST0.443

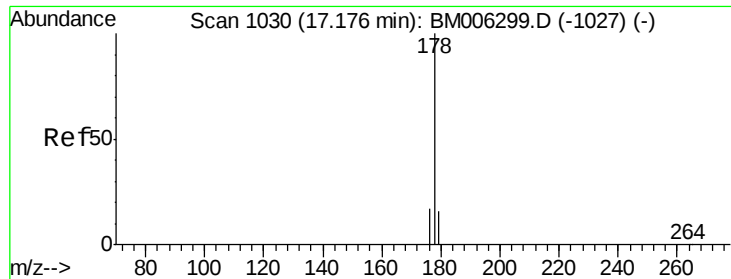
Tgt Ion: 266 Resp: 1519
 Ion Ratio Lower Upper
 266 100
 264 61.4 51.8 77.8
 268 62.9 46.8 70.2



#14
 Phenanthrene
 Concen: 0.44 ng/ul
 RT: 17.07 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BM006310.D
 Acq: 07 Jul 2016 08:59

Tgt Ion: 178 Resp: 25602
 Ion Ratio Lower Upper
 178 100
 176 20.3 13.0 19.4#
 179 14.8 14.2 21.2





#15

Anthracene

Concen: 0.47 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.10 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

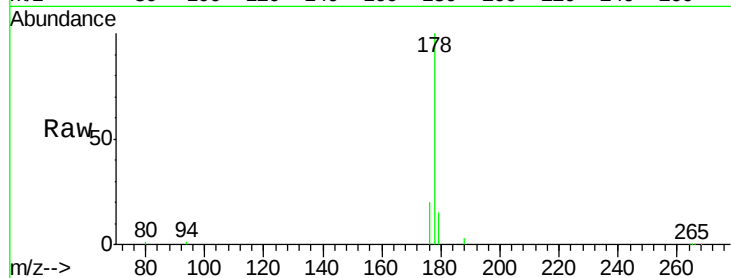
Tgt Ion:178 Resp: 25586

Ion Ratio Lower Upper

178 100

176 20.3 14.0 21.0

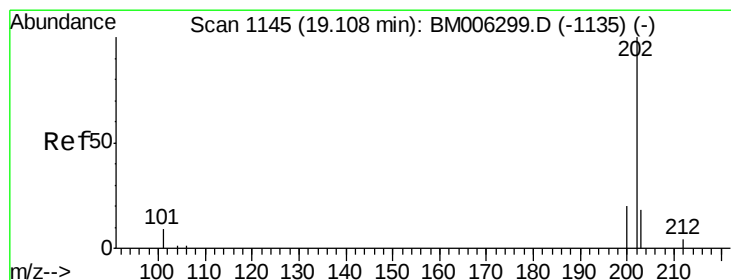
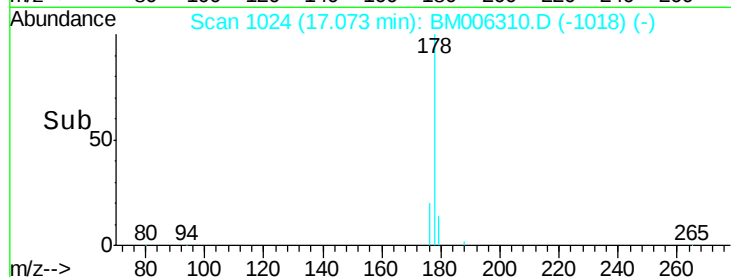
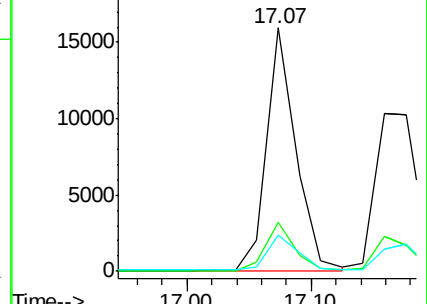
179 14.8 12.9 19.3



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: 0.45 ng/ul

RT: 19.10 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

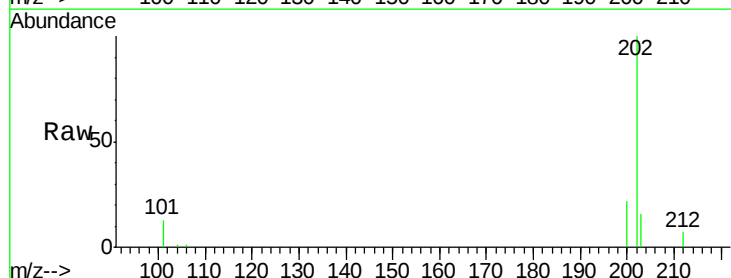
Tgt Ion:202 Resp: 28688

Ion Ratio Lower Upper

202 100

101 13.1 0.0 29.6

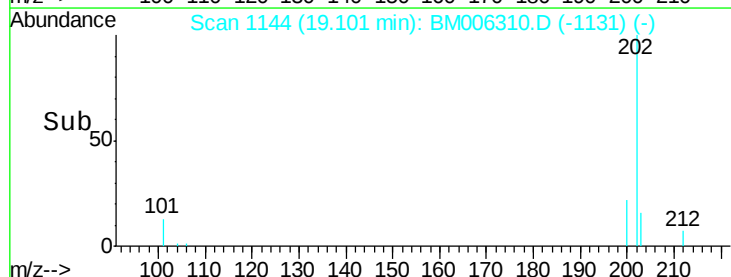
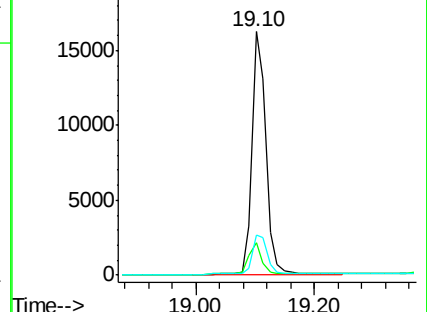
203 16.2 0.0 36.3

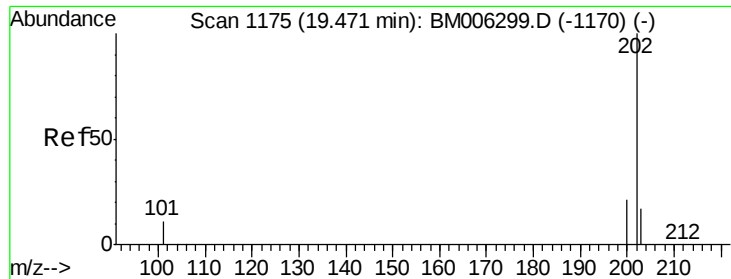


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.44 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

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SSTD0.443

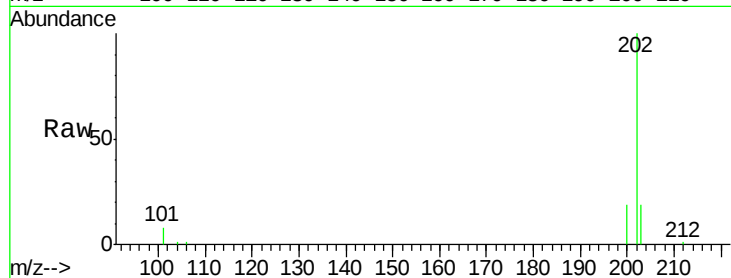
Tgt Ion:202 Resp: 26853

Ion Ratio Lower Upper

202 100

200 18.8 17.8 26.8

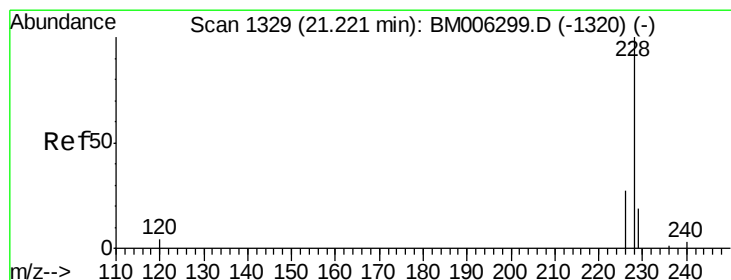
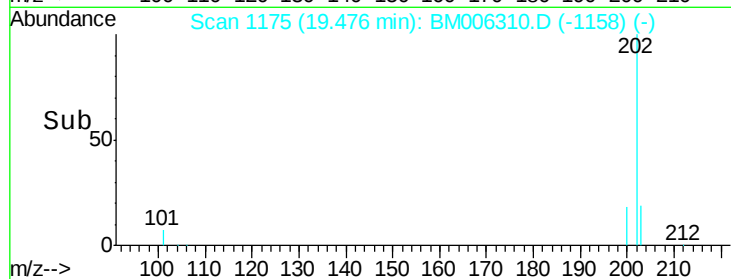
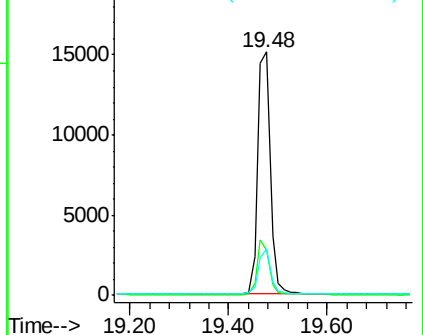
203 19.1 12.8 19.2



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: 0.45 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

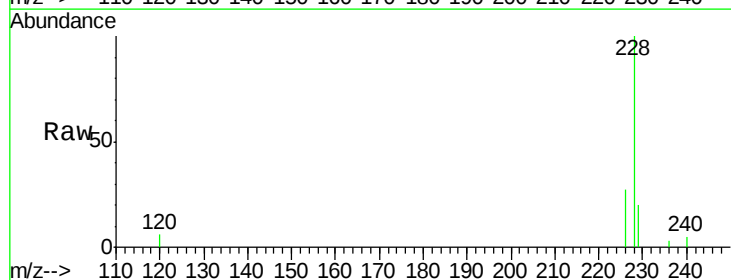
Tgt Ion:228 Resp: 21241

Ion Ratio Lower Upper

228 100

226 26.8 18.8 28.2

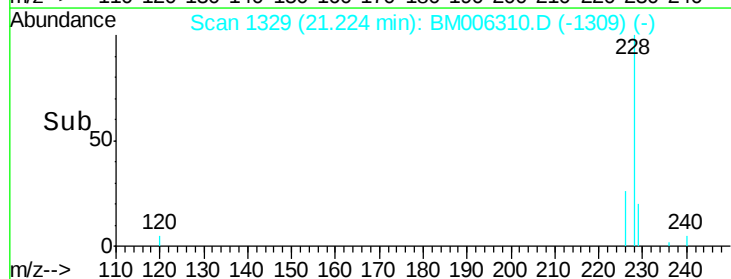
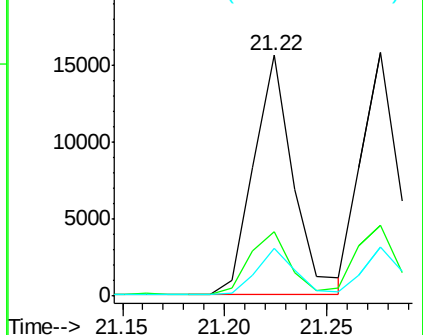
229 20.0 17.1 25.7

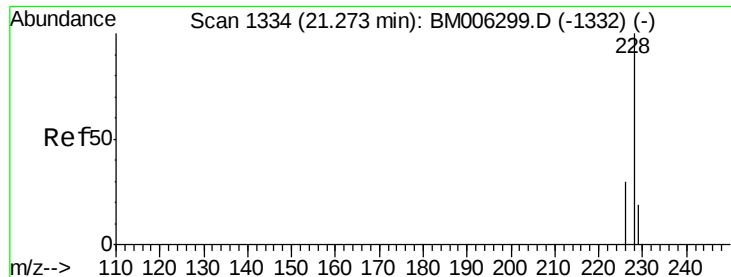


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.43 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

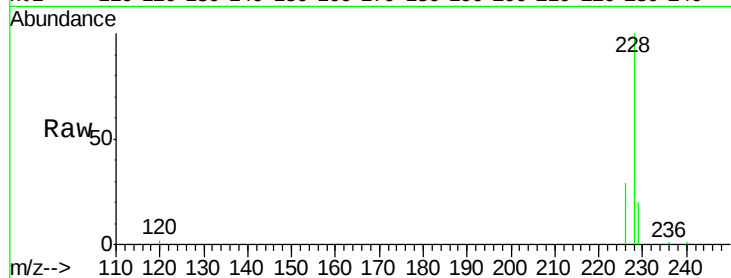
Tgt Ion:228 Resp: 19860

Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

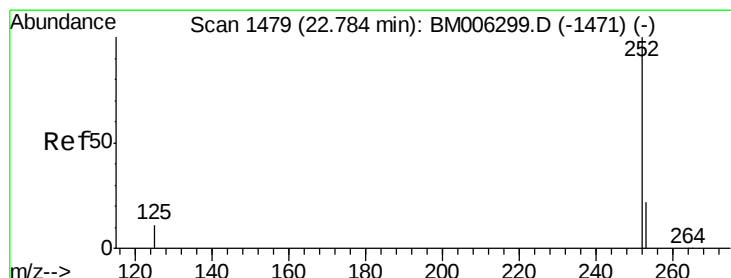
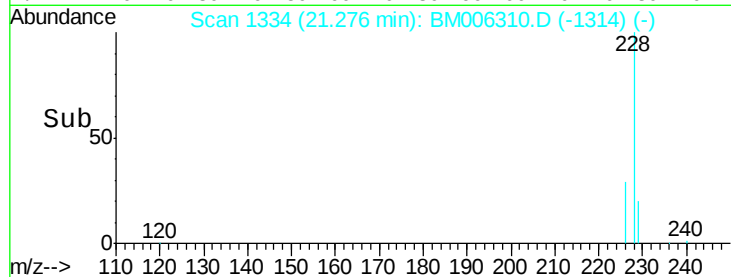
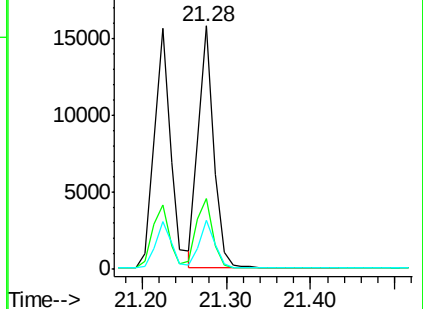
229 20.1 17.0 25.6



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: 0.43 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

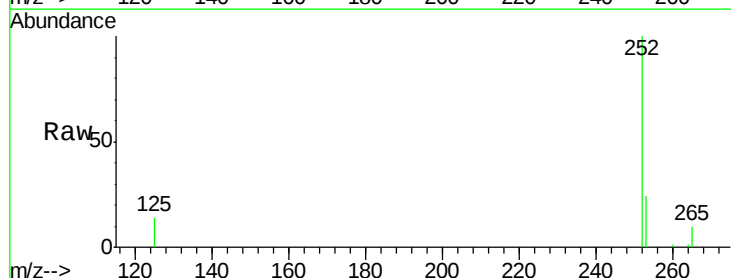
Tgt Ion:252 Resp: 20328

Ion Ratio Lower Upper

252 100

253 24.0 0.0 45.4

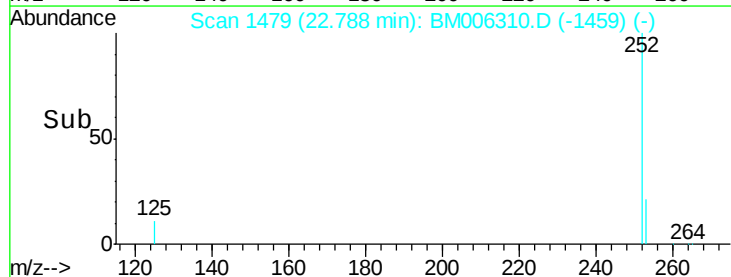
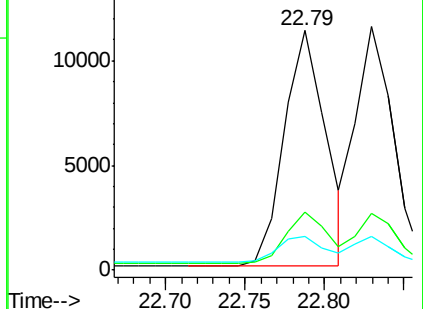
125 14.0 0.0 28.8

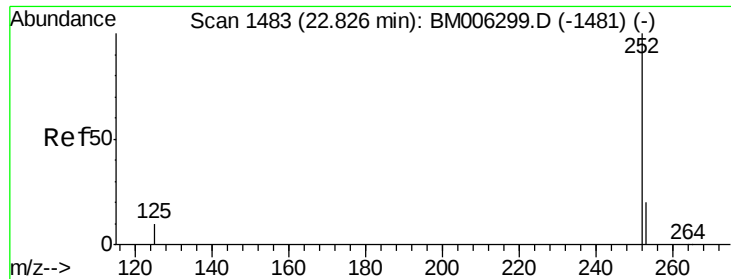


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

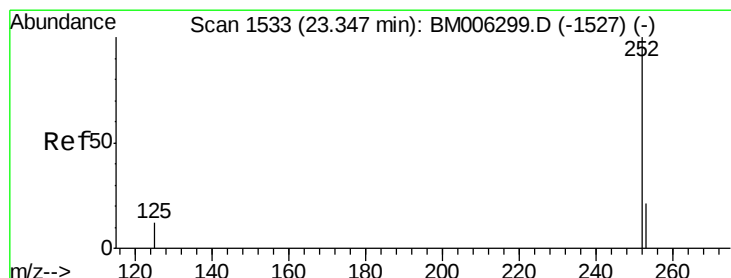
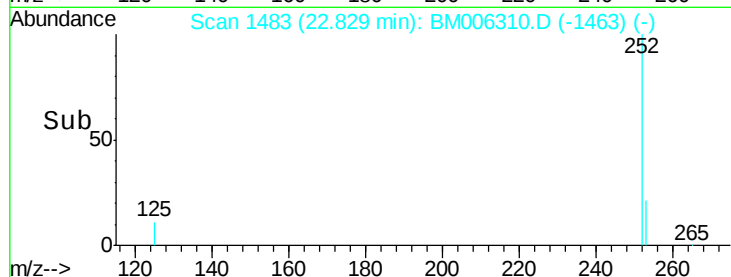
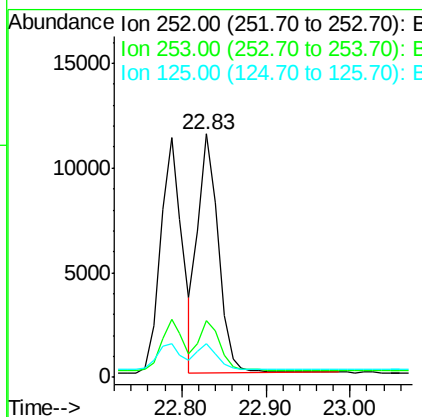
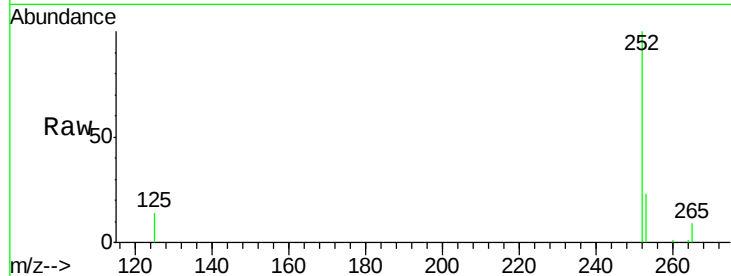
BNA_M

ClientSampleId :

SSTD0.443

Tgt Ion:252 Resp: 18901

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.8	29.8
125	13.8	10.4	15.6



#25

Benzo(a)pyrene

Concen: 0.43 ng/ul

RT: 23.35 min Scan# 1533

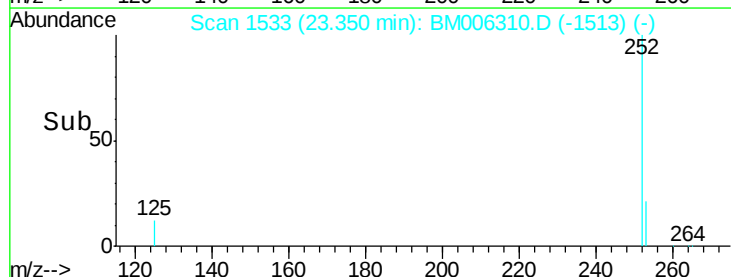
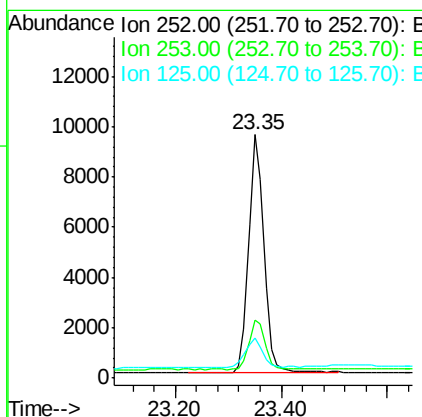
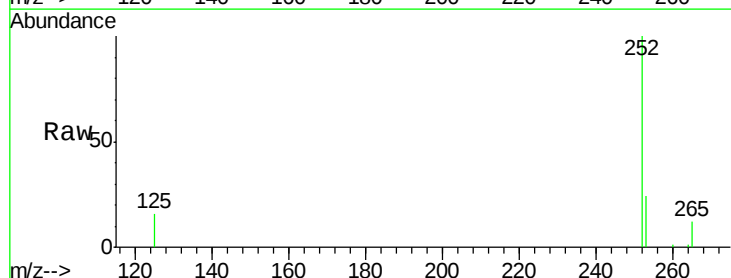
Delta R.T. 0.00 min

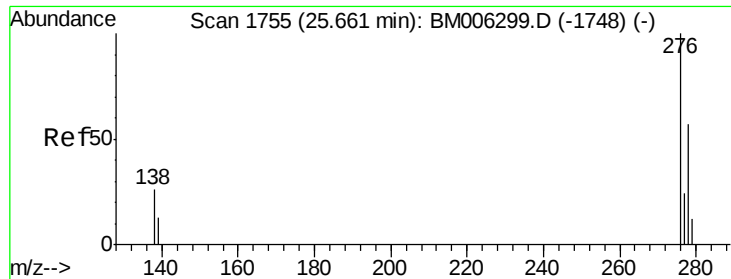
Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Tgt Ion:252 Resp: 18965

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.4	29.2
125	16.3	12.7	19.1





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.45 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

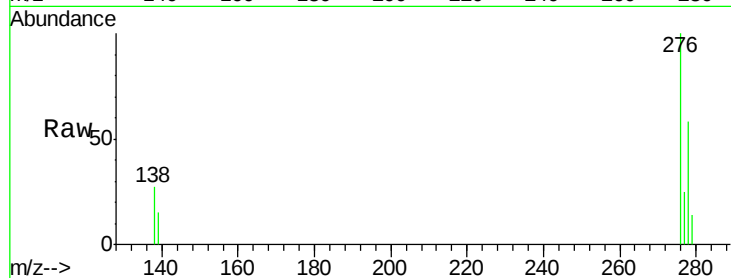
Tgt Ion:276 Resp: 21855

Ion Ratio Lower Upper

276 100

138 28.5 16.3 24.5#

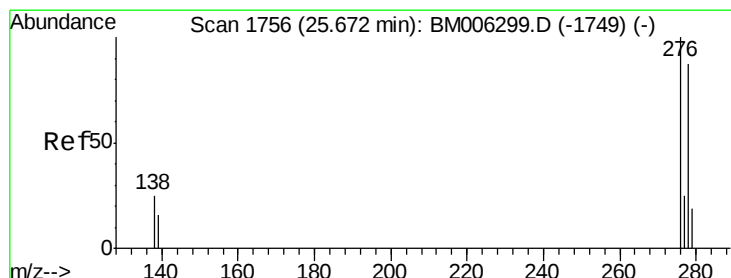
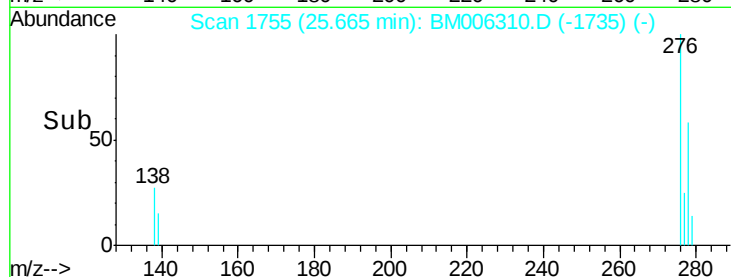
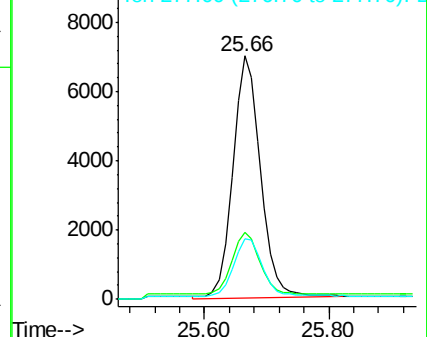
277 26.1 19.8 29.8



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: 25.68 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BM006310.D

Acq: 07 Jul 2016 08:59

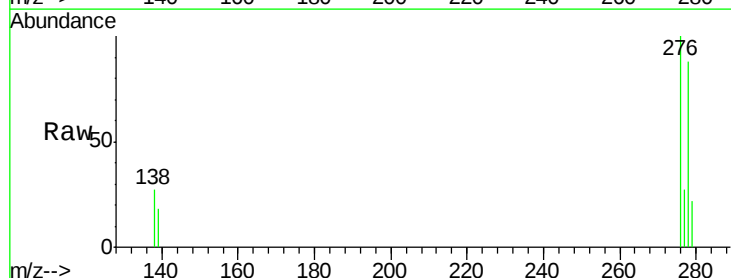
Tgt Ion:278 Resp: 17399

Ion Ratio Lower Upper

278 100

139 20.2 16.4 24.6

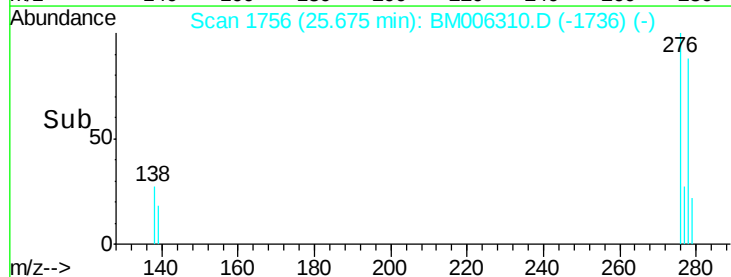
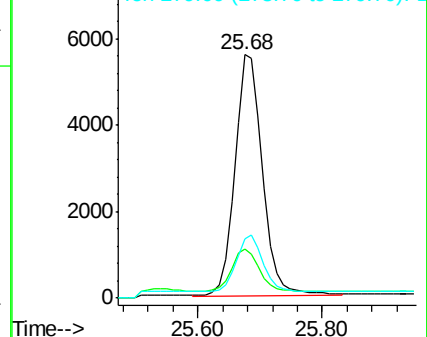
279 24.6 20.2 30.2

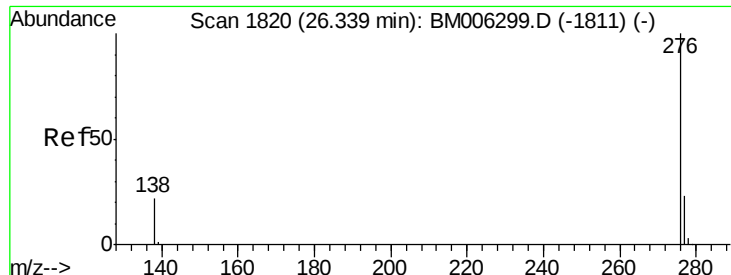


Abundance Ion 278.00 (277.70 to 278.70): E

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: BM006310.D

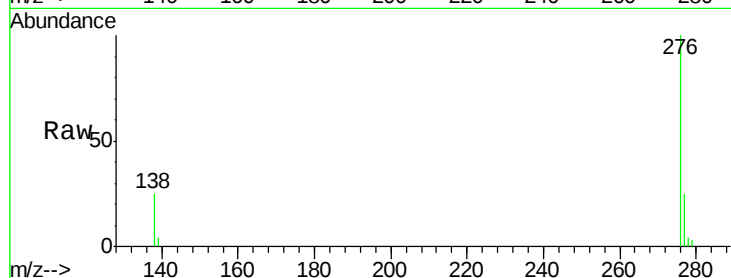
Acq: 07 Jul 2016 08:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.443



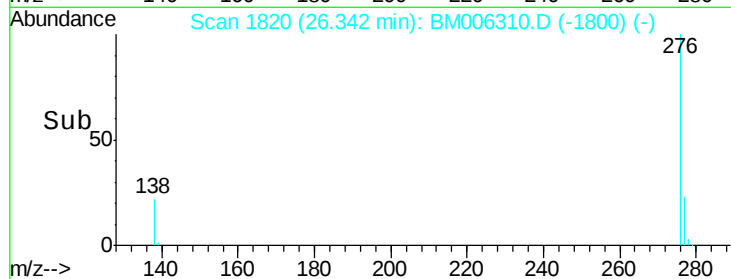
Tgt Ion: 276 Resp: 18406

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 24.8 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

