

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006308.D
 Acq On : 07 Jul 2016 07:06
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.442

Quant Time: Jul 07 07:40:03 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	4382	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	16077	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	8199	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	16347	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	13121	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	12796	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	3859	2.08	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	8325	0.44	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	15883	0.46	ng/ul	0.00

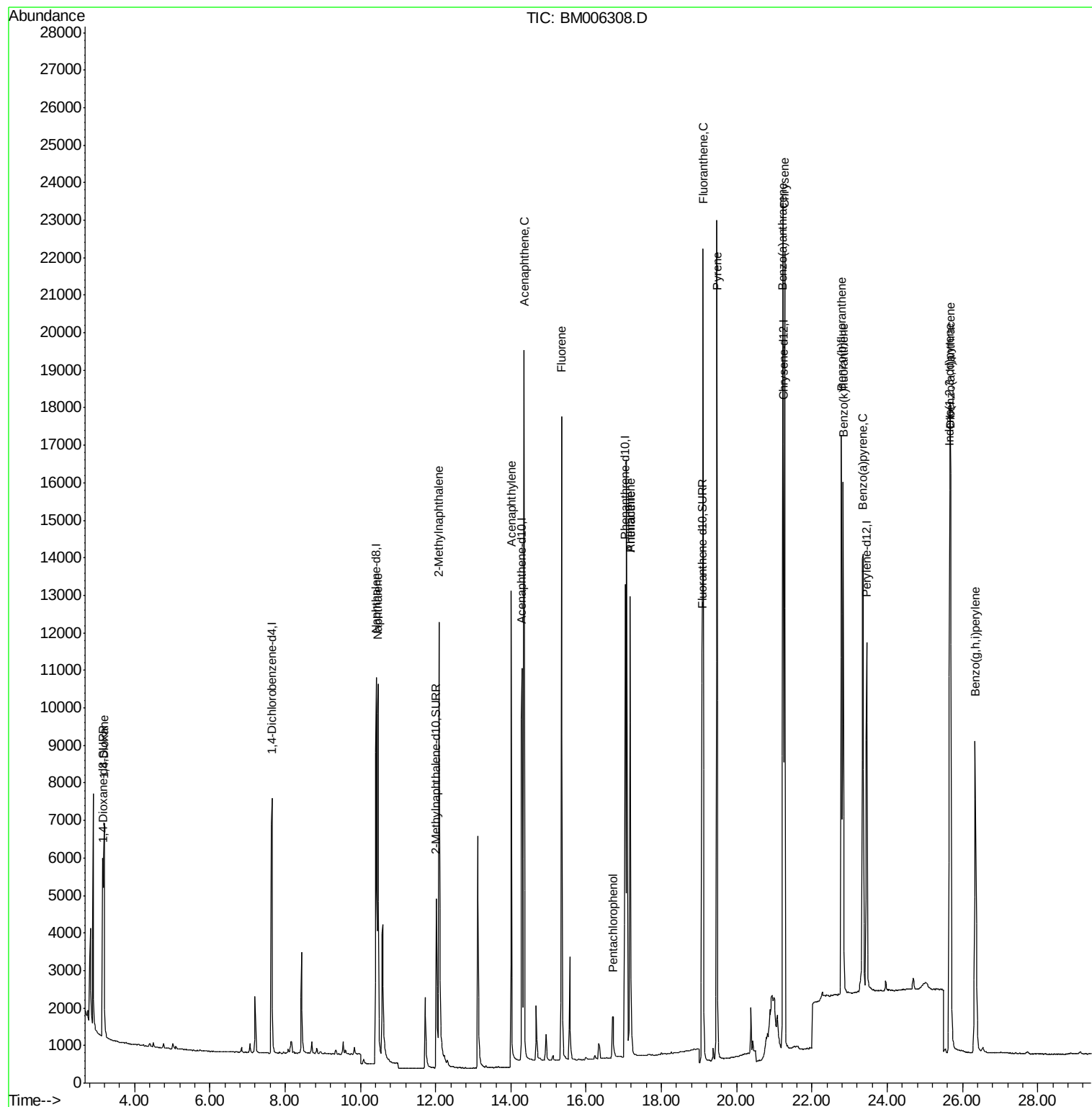
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	4959	2.07	ng/ul#	1
5) Naphthalene	10.48	128	16270	0.43	ng/ul	98
7) 2-Methylnaphthalene	12.09	142	11134	0.44	ng/ul	99
9) Acenaphthylene	14.01	152	12183	0.44	ng/ul	94
10) Acenaphthene	14.35	153	11830	0.43	ng/ul	89
11) Fluorene	15.34	166	13086	0.43	ng/ul#	81
13) Pentachlorophenol	16.71	266	1362	0.54	ng/ul	96
14) Phenanthrene	17.18	178	17483	0.39	ng/ul	98
15) Anthracene	17.18	178	18624	0.44	ng/ul	99
17) Fluoranthene	19.11	202	23152	0.46	ng/ul	97
19) Pyrene	19.47	202	21842	0.40	ng/ul	97
20) Benzo(a)anthracene	21.22	228	19360	0.46	ng/ul#	92
21) Chrysene	21.27	228	18246	0.44	ng/ul	93
23) Benzo(b)fluoranthene	22.78	252	19149	0.42	ng/ul	97
24) Benzo(k)fluoranthene	22.83	252	18646	0.44	ng/ul	97
25) Benzo(a)pyrene	23.36	252	18578	0.44	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.66	276	21418	0.45	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.68	278	17082	0.46	ng/ul	99
28) Benzo(g,h,i)perylene	26.34	276	18042	0.45	ng/ul	96

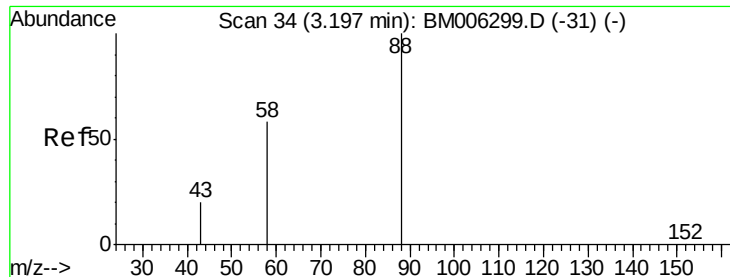
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

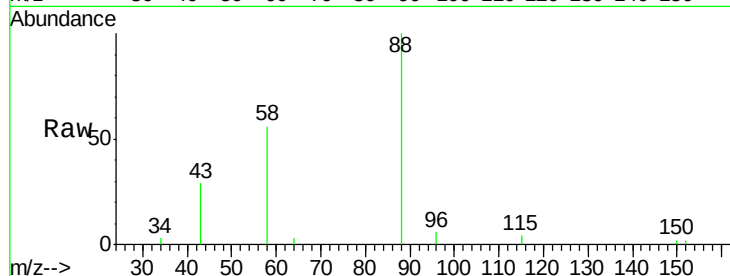
Tgt Ion: 88 Resp: 4959

Ion Ratio Lower Upper

88 100

58 77.6 8.0 12.0#

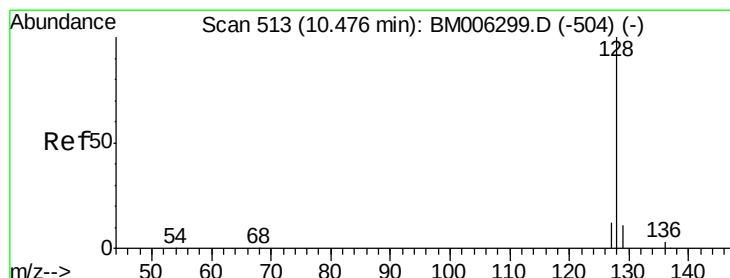
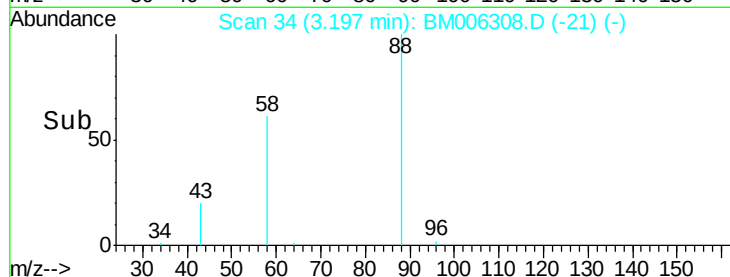
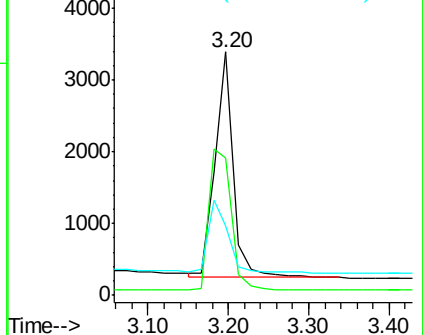
43 35.4 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM006308.D (-21) (-)

Ion 58.00 (57.70 to 58.70): BM006308.D (-21) (-)

Ion 43.00 (42.70 to 43.70): BM006308.D (-21) (-)



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

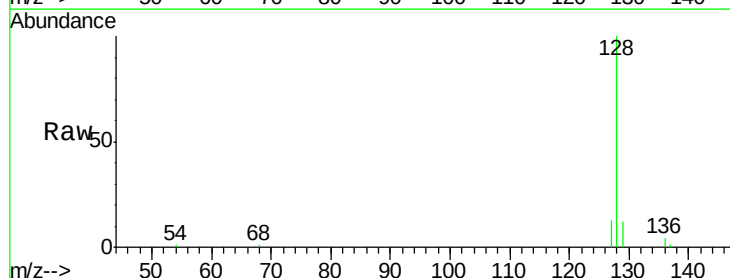
Tgt Ion: 128 Resp: 16270

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

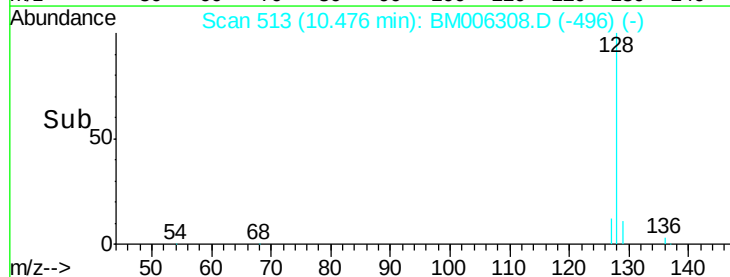
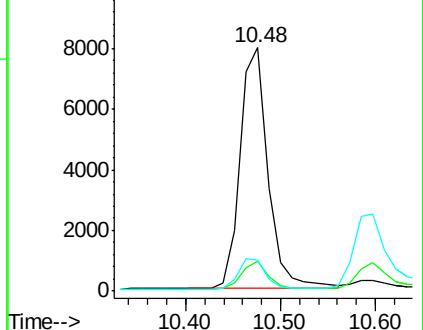
127 12.7 9.6 14.4

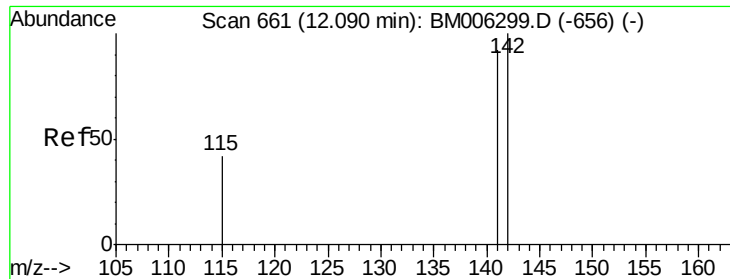


Abundance Ion 128.00 (127.70 to 128.70): BM006308.D (-496) (-)

Ion 129.00 (128.70 to 129.70): BM006308.D (-496) (-)

Ion 127.00 (126.70 to 127.70): BM006308.D (-496) (-)





#7

2-Methylnaphthalene

Concen: 0.44 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

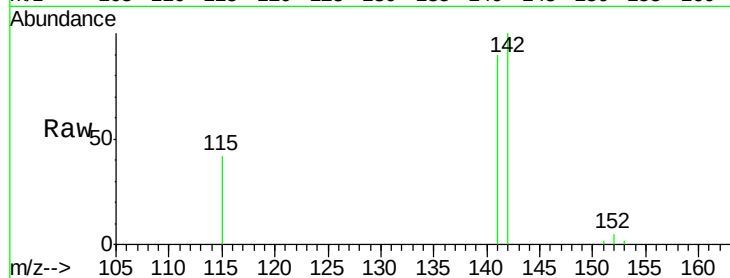
SSTD0.442

Tgt Ion:142 Resp: 11134

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

12.09

6000

5000

4000

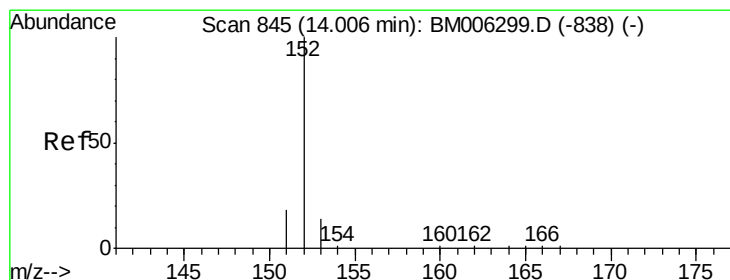
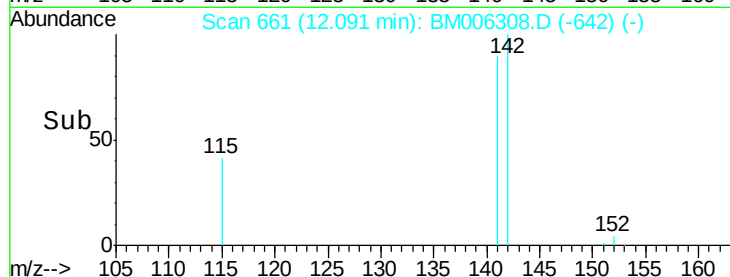
3000

2000

1000

0

Time--> 12.00 12.10 12.20 12.30



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

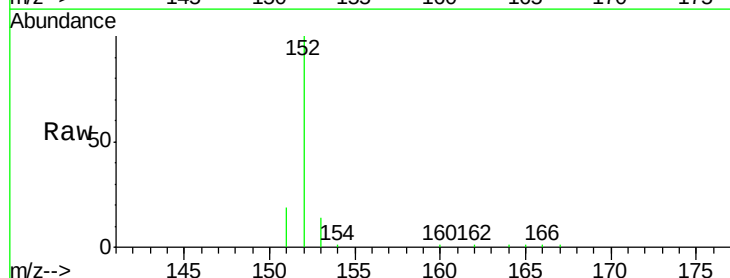
Tgt Ion:152 Resp: 12183

Ion Ratio Lower Upper

152 100

151 18.6 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

12000

10000

8000

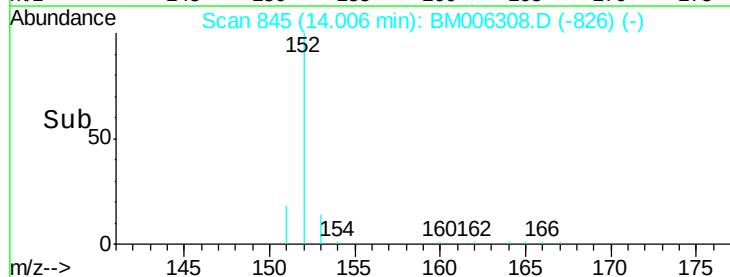
6000

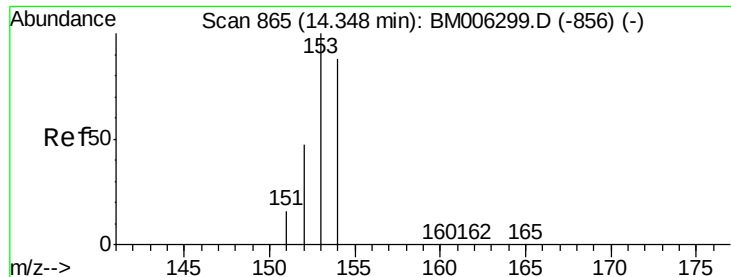
4000

2000

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: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

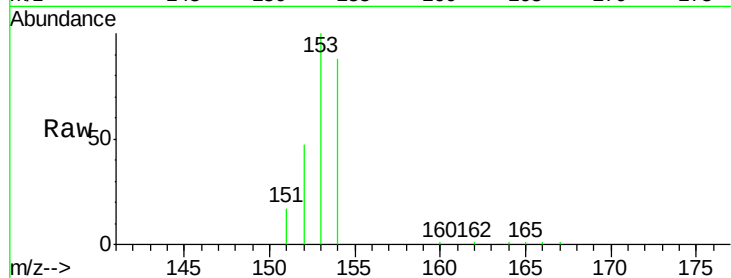
Tgt Ion:153 Resp: 11830

Ion Ratio Lower Upper

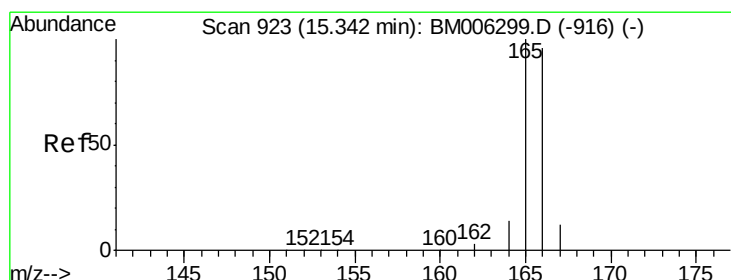
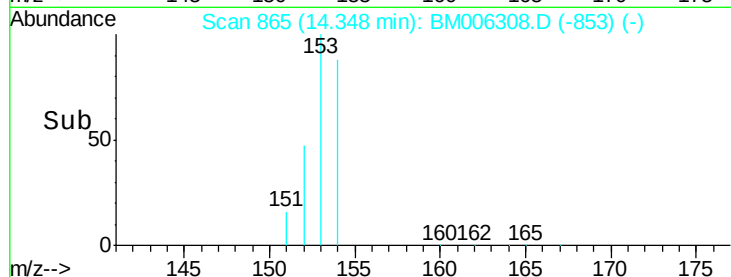
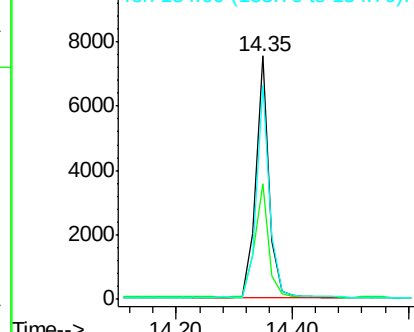
153 100

152 47.4 33.9 50.9

154 88.2 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: BM006308.D

Acq: 07 Jul 2016 07:06

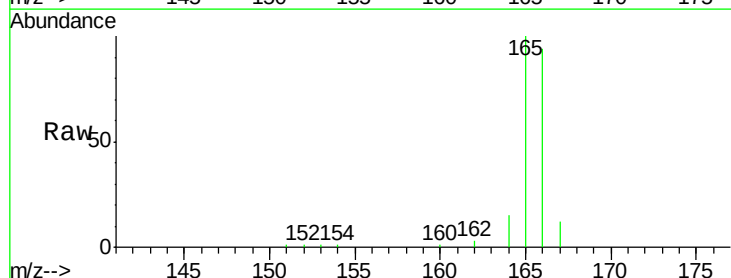
Tgt Ion:166 Resp: 13086

Ion Ratio Lower Upper

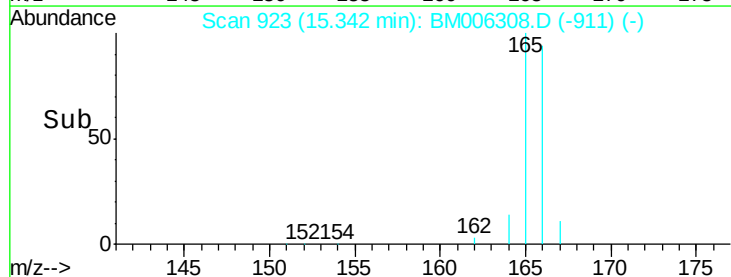
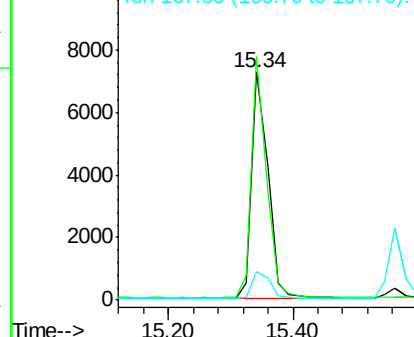
166 100

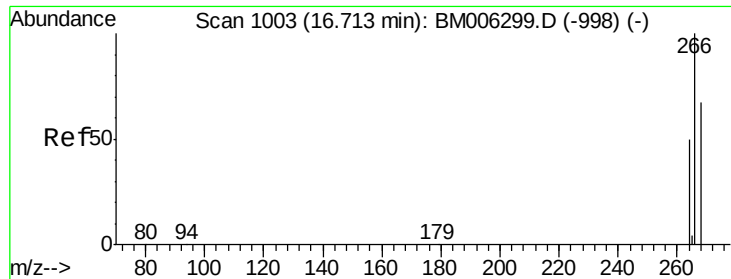
165 106.9 69.6 104.4#

167 12.8 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

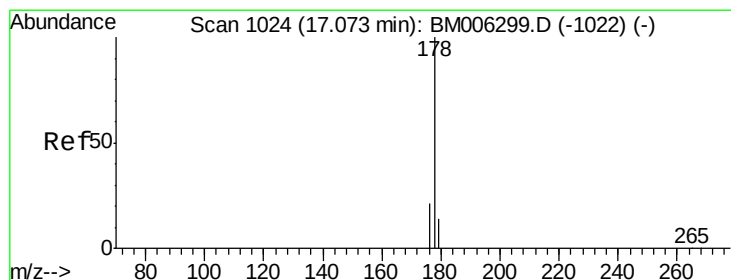
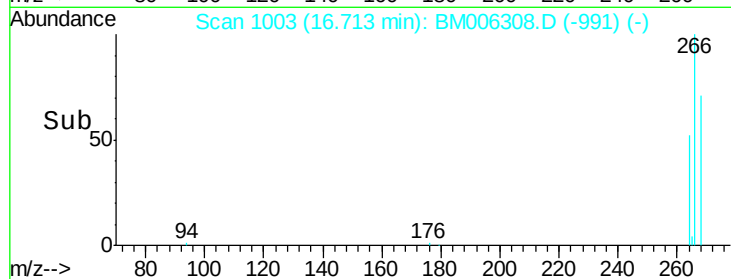
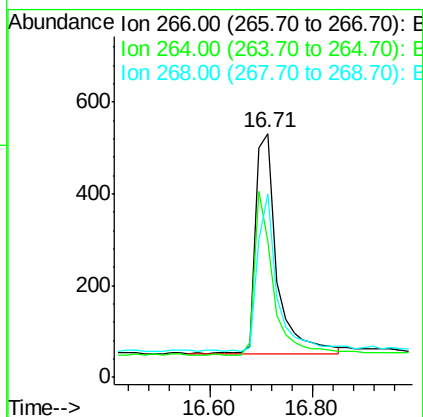
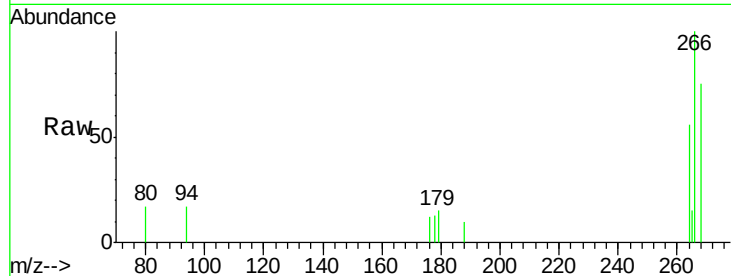




#13
 Pentachlorophenol
 Concen: 0.54 ng/ul
 RT: 16.71 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BM006308.D
 Acq: 07 Jul 2016 07:06

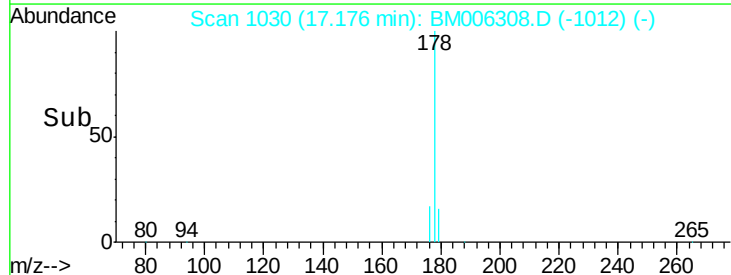
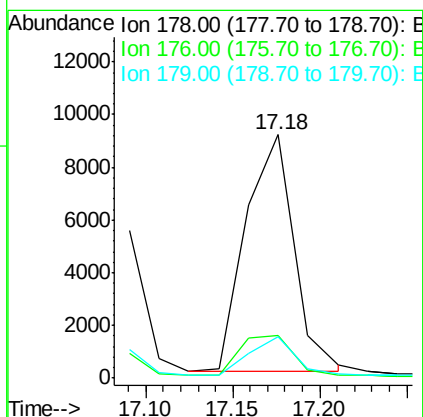
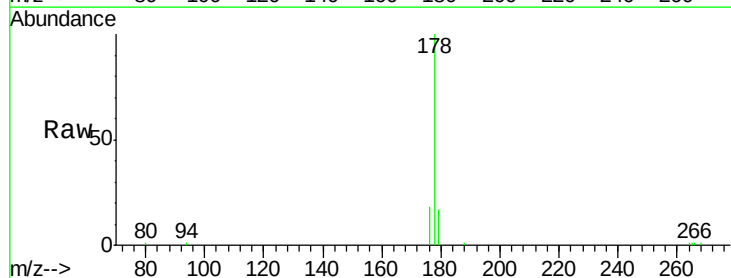
Instrument :
 BNA_M
 ClientSampleId :
 SST0.442

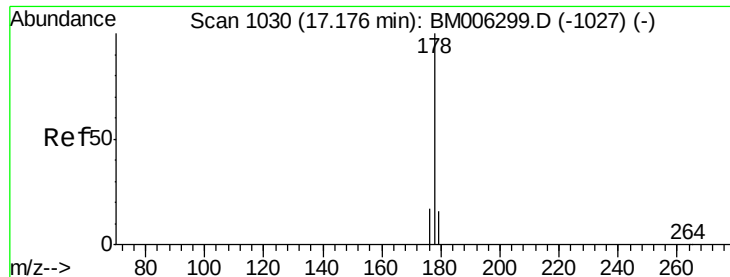
Tgt Ion: 266 Resp: 1362
 Ion Ratio Lower Upper
 266 100
 264 64.4 51.8 77.8
 268 64.5 46.8 70.2



#14
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 17.18 min Scan# 1030
 Delta R.T. 0.10 min
 Lab File: BM006308.D
 Acq: 07 Jul 2016 07:06

Tgt Ion: 178 Resp: 17483
 Ion Ratio Lower Upper
 178 100
 176 17.6 13.0 19.4
 179 17.2 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: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

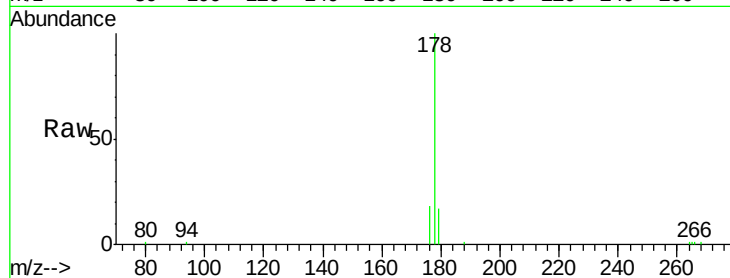
Tgt Ion:178 Resp: 18624

Ion Ratio Lower Upper

178 100

176 17.6 14.0 21.0

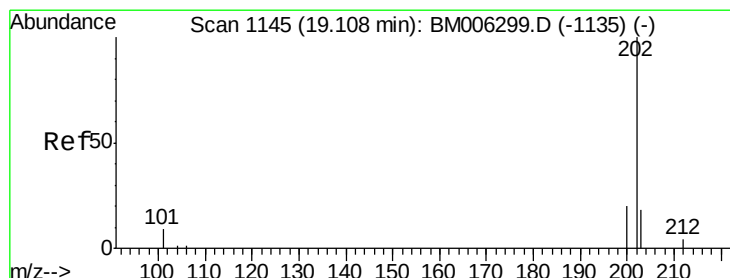
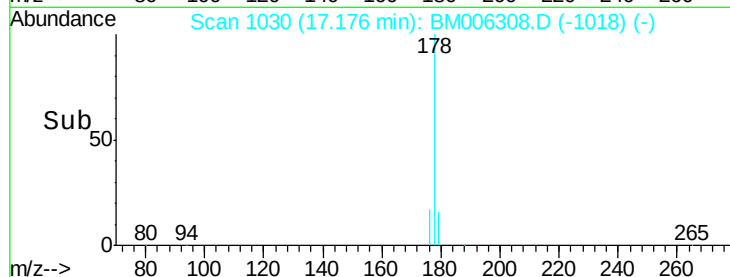
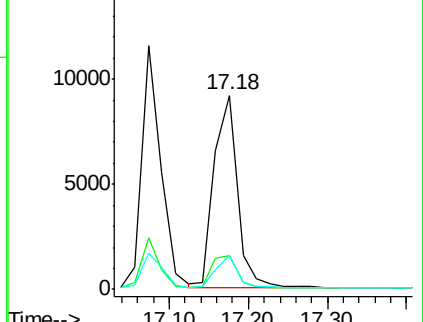
179 17.2 12.9 19.3



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. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

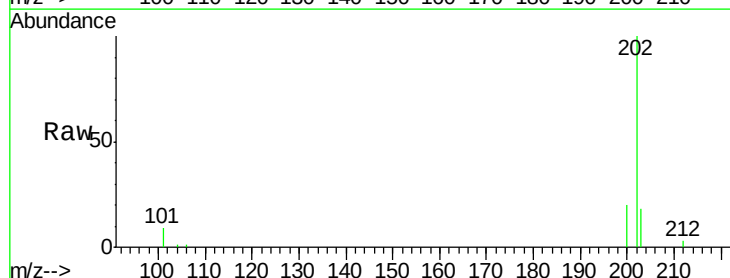
Tgt Ion:202 Resp: 23152

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.6

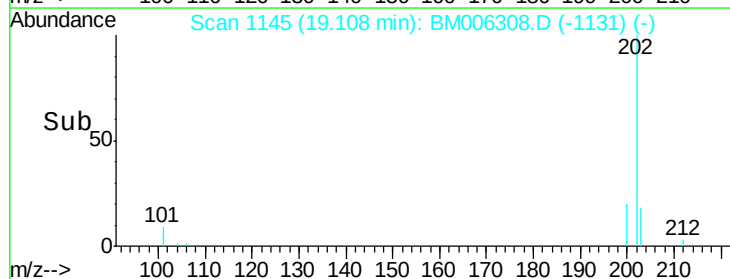
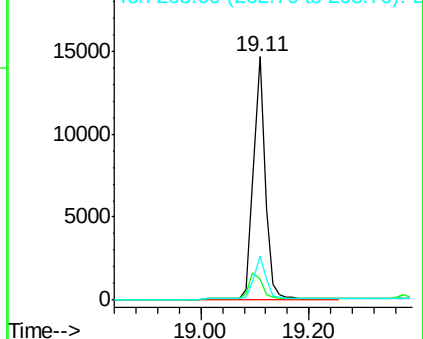
203 17.8 0.0 36.3

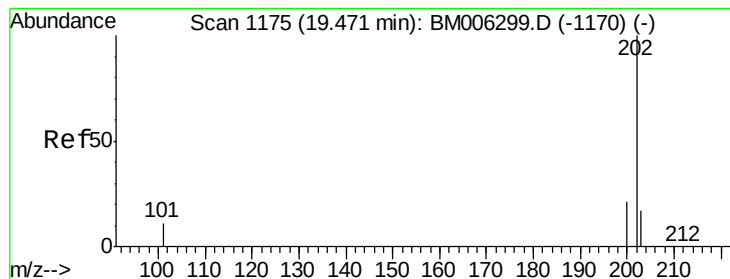


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.40 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

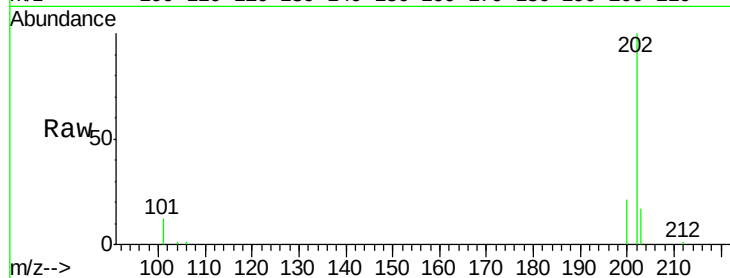
Tgt Ion:202 Resp: 21842

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.8

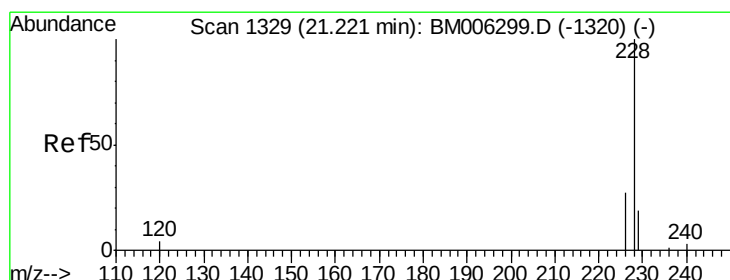
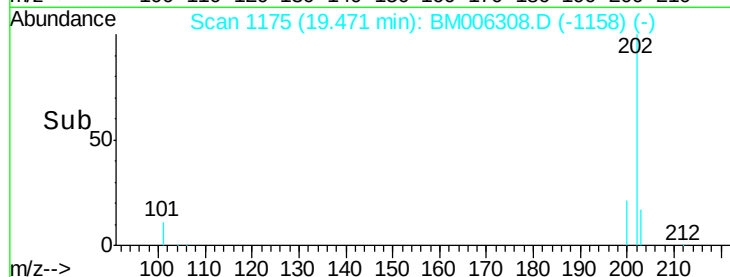
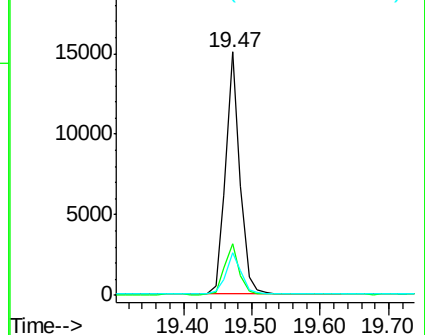
203 17.5 12.8 19.2



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: 0.46 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

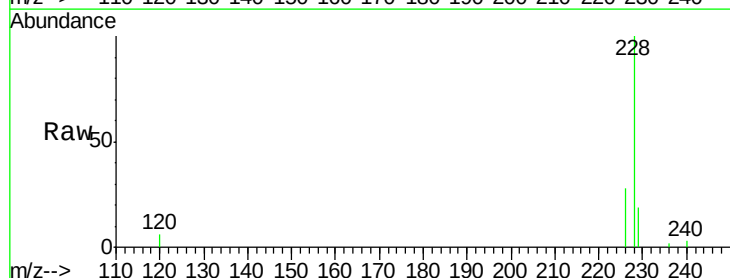
Tgt Ion:228 Resp: 19360

Ion Ratio Lower Upper

228 100

226 28.2 18.8 28.2#

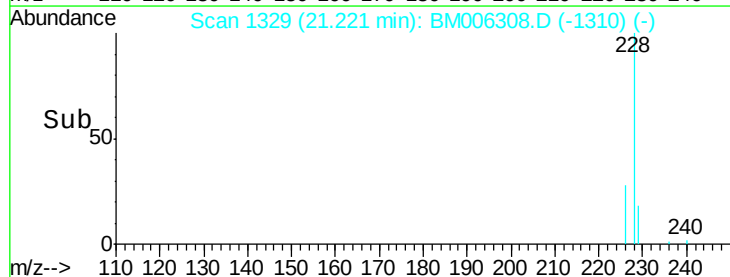
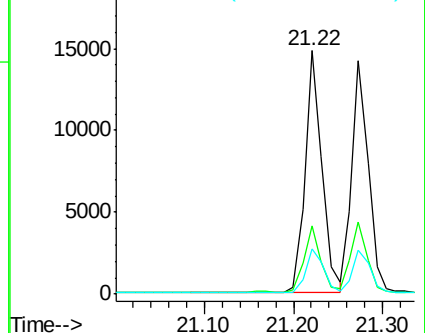
229 18.8 17.1 25.7

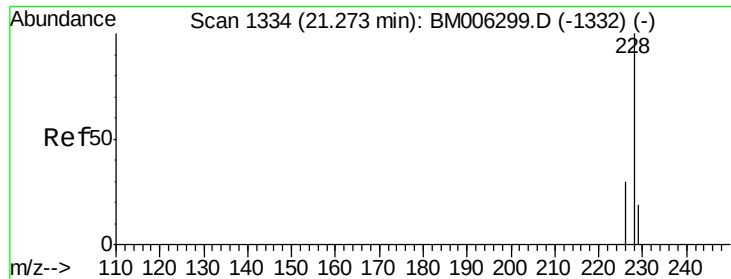


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.44 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

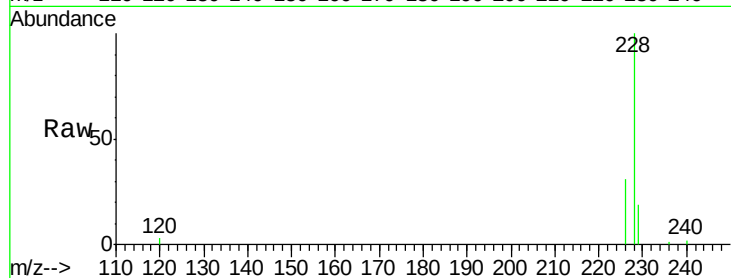
Tgt Ion:228 Resp: 18246

Ion Ratio Lower Upper

228 100

226 31.1 21.2 31.8

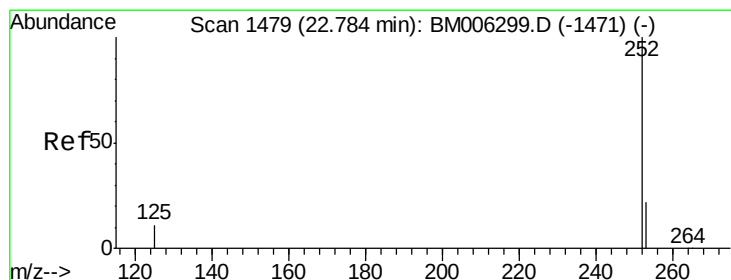
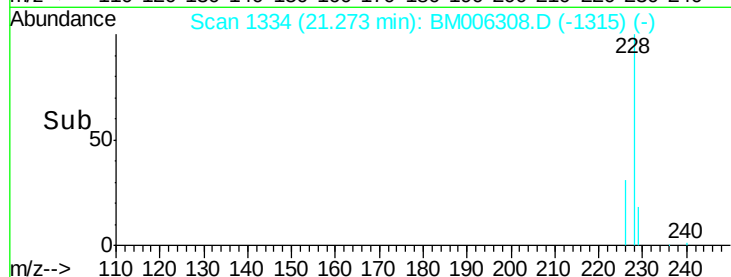
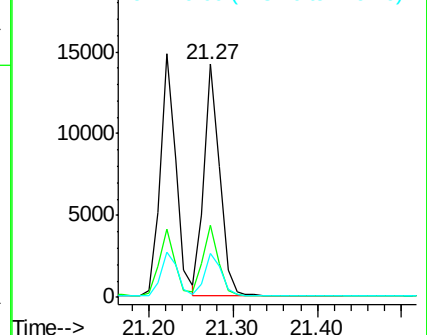
229 19.0 17.0 25.6



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: 0.42 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

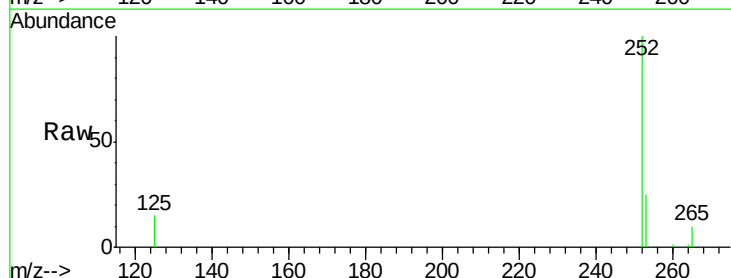
Tgt Ion:252 Resp: 19149

Ion Ratio Lower Upper

252 100

253 24.5 0.0 45.4

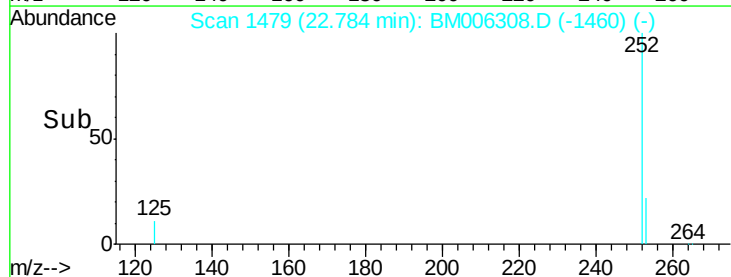
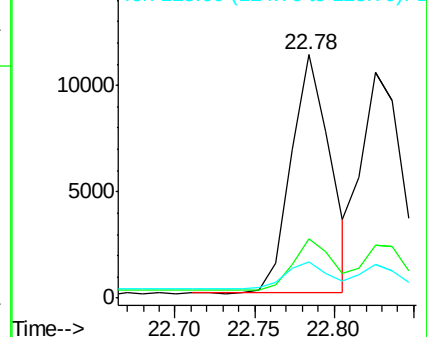
125 14.7 0.0 28.8

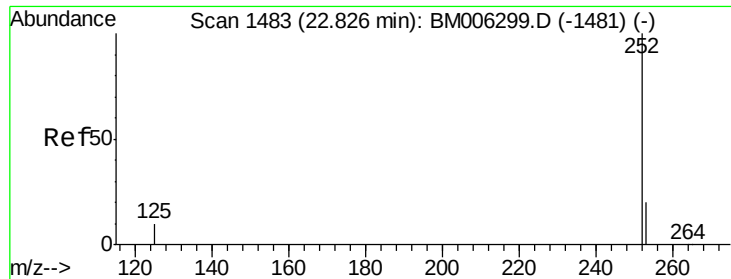


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.44 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

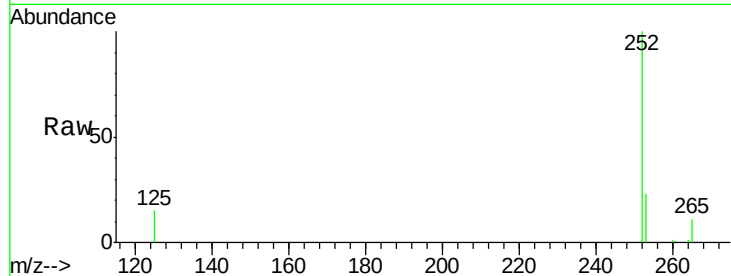
Tgt Ion:252 Resp: 18646

Ion Ratio Lower Upper

252 100

253 23.4 19.8 29.8

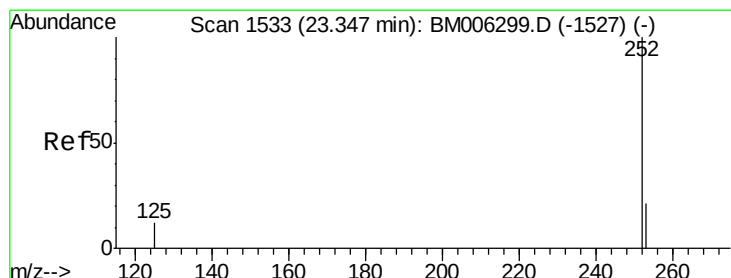
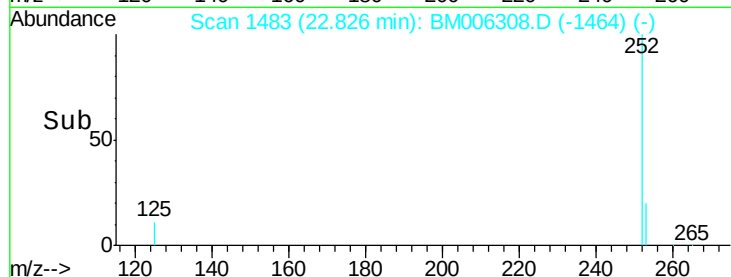
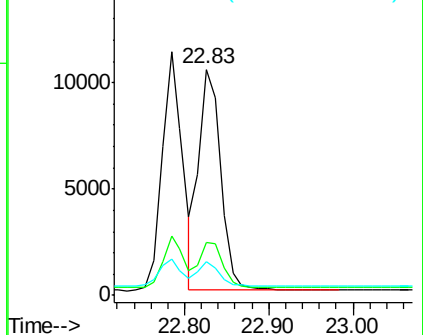
125 15.0 10.4 15.6



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: 23.36 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

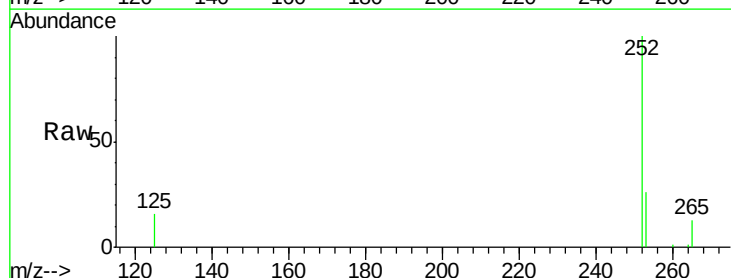
Tgt Ion:252 Resp: 18578

Ion Ratio Lower Upper

252 100

253 26.0 19.4 29.2

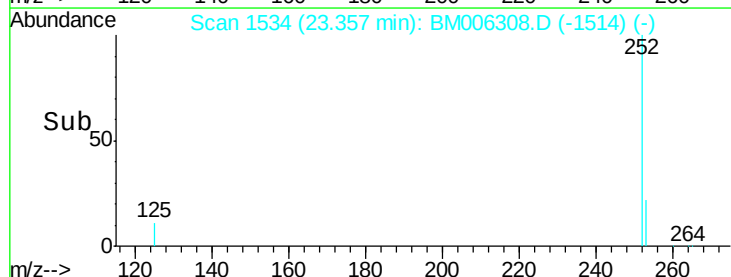
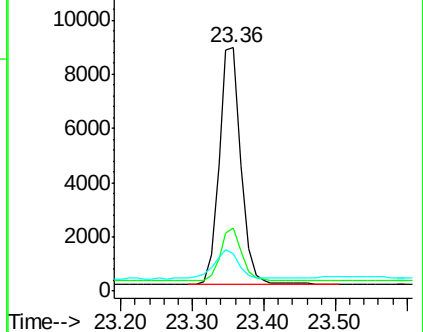
125 15.6 12.7 19.1

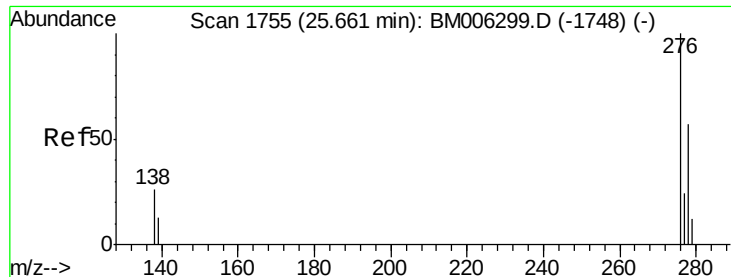


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.45 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

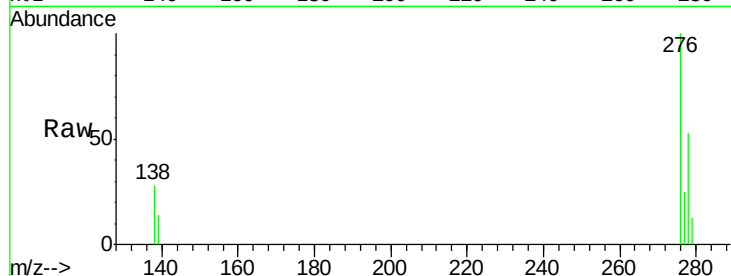
Tgt Ion:276 Resp: 21418

Ion Ratio Lower Upper

276 100

138 28.6 16.3 24.5#

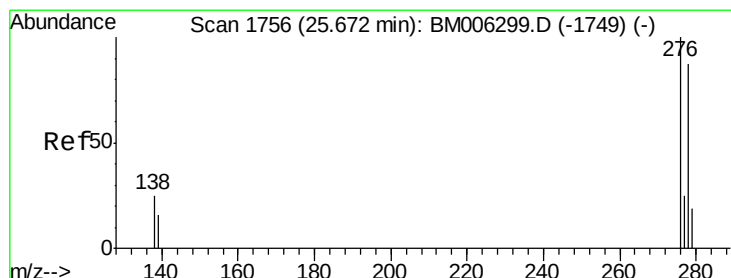
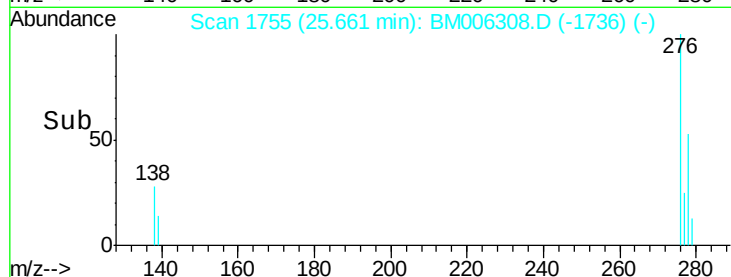
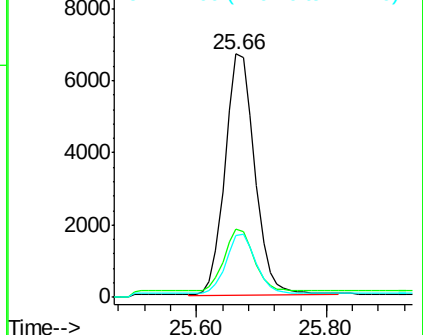
277 26.1 19.8 29.8



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# 1757

Delta R.T. 0.01 min

Lab File: BM006308.D

Acq: 07 Jul 2016 07:06

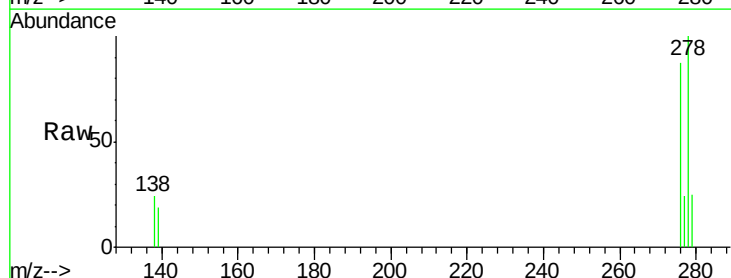
Tgt Ion:278 Resp: 17082

Ion Ratio Lower Upper

278 100

139 19.2 16.4 24.6

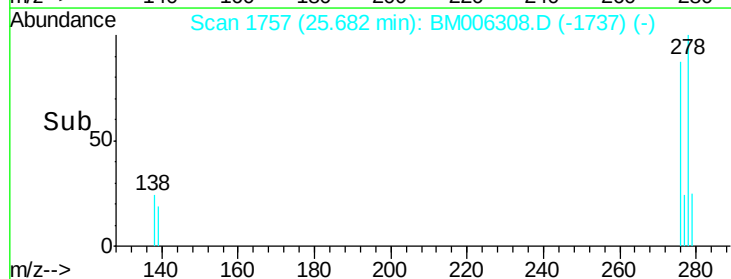
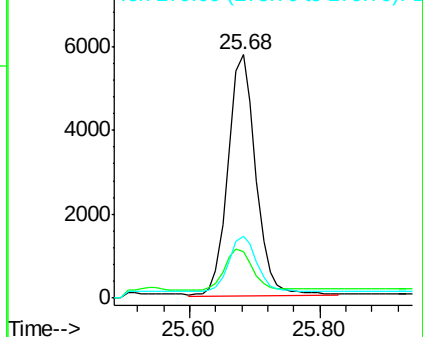
279 25.4 20.2 30.2

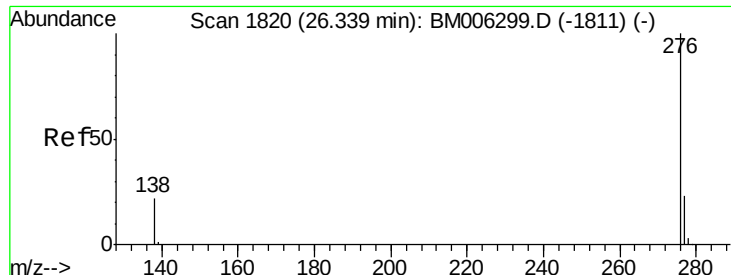


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.45 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BM006308.D

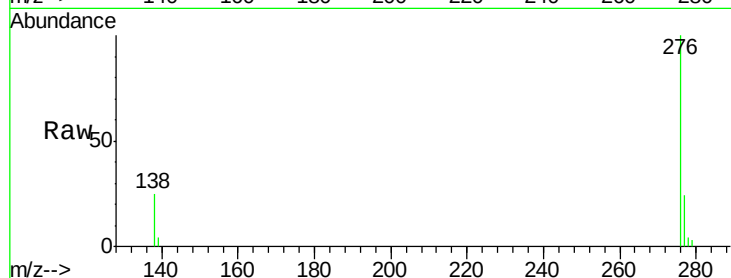
Acq: 07 Jul 2016 07:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.442



Tgt Ion: 276 Resp: 18042

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 24.7 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

