

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071415\
 Data File : BM001909.D
 Acq On : 13 Jul 2015 22:47
 Operator : TP/UM
 Sample : SSTD1.646
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.646

Quant Time: Jul 14 04:21:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM071415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 14 04:19:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1379	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	5300	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	2832	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5959	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	5247	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	4302	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	13351	1.94	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	26304	1.96	ng/ul	0.00

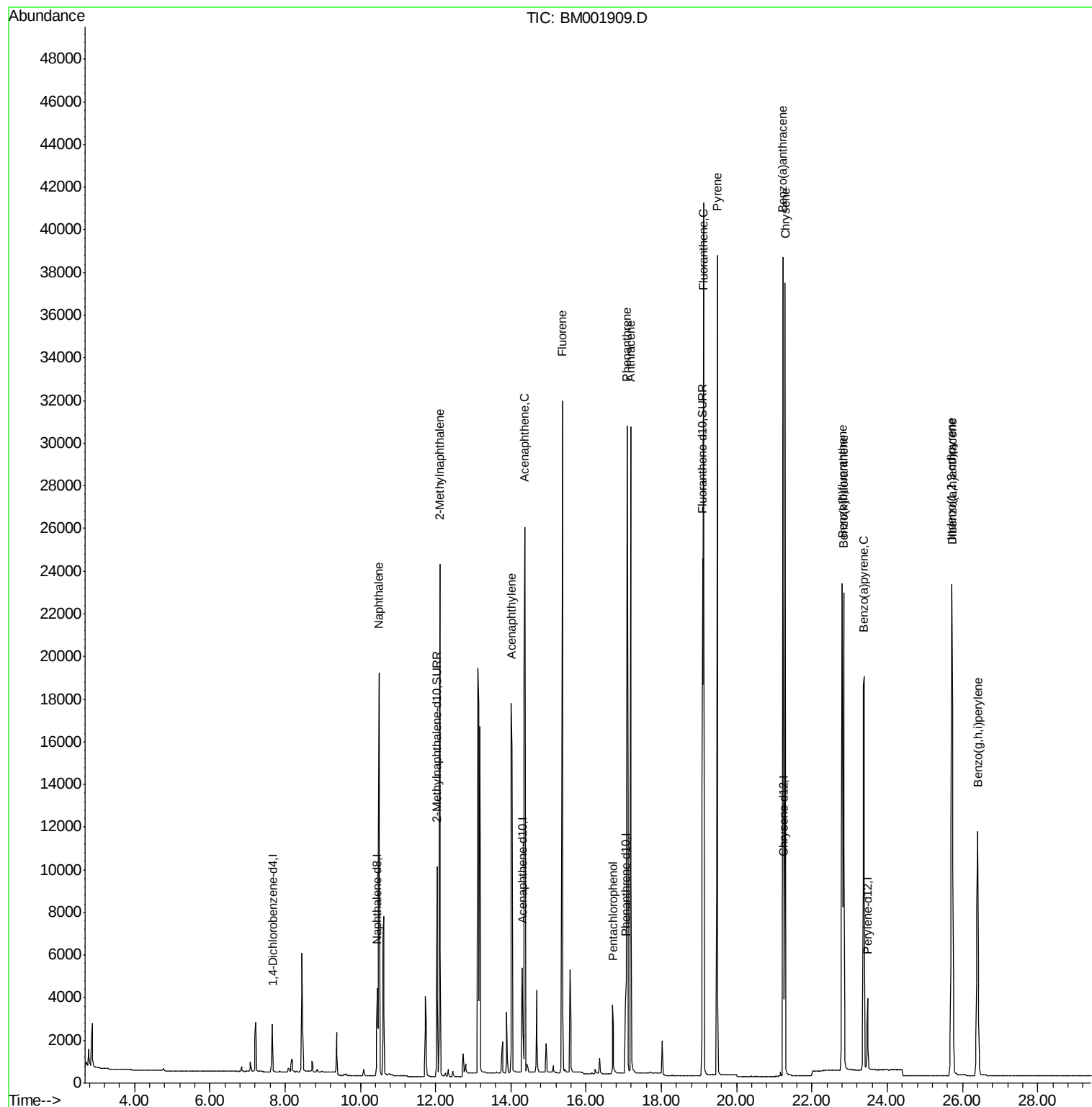
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	25454	1.76	ng/ul	98
5) 2-Methylnaphthalene	12.11	142	17270	1.87	ng/ul	100
7) Acenaphthylene	14.01	152	26897	1.88	ng/ul	98
8) Acenaphthene	14.37	153	18761	1.76	ng/ul	99
9) Fluorene	15.37	166	21652	1.80	ng/ul	97
11) Pentachlorophenol	16.70	266	2673	2.02	ng/ul	98
12) Phenanthrene	17.09	178	33033	1.78	ng/ul	98
13) Anthracene	17.18	178	32346	1.89	ng/ul	98
15) Fluoranthene	19.12	202	37401	1.88	ng/ul	97
17) Pyrene	19.48	202	37759	1.76	ng/ul	98
18) Benzo(a)anthracene	21.23	228	32421	1.83	ng/ul	99
19) Chrysene	21.28	228	31389	1.69	ng/ul	98
21) Benzo(b)fluoranthene	22.81	252	31893	1.85	ng/ul	97
22) Benzo(k)fluoranthene	22.85	252	25844	1.62	ng/ul	97
23) Benzo(a)pyrene	23.38	252	26858	1.75	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	25.71	276	26568	1.52	ng/ul	100
25) Dibenzo(a,h)anthracene	25.73	278	21082	1.49	ng/ul	97
26) Benzo(g,h,i)perylene	26.40	276	22172	1.45	ng/ul	97

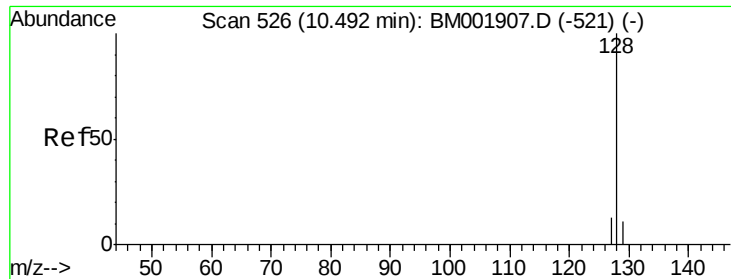
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.76 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

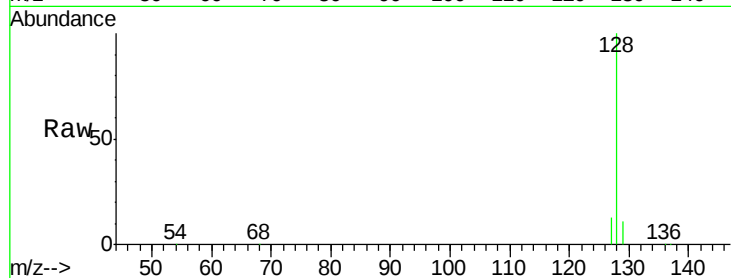
Tgt Ion:128 Resp: 25454

Ion Ratio Lower Upper

128 100

129 11.1 9.6 14.4

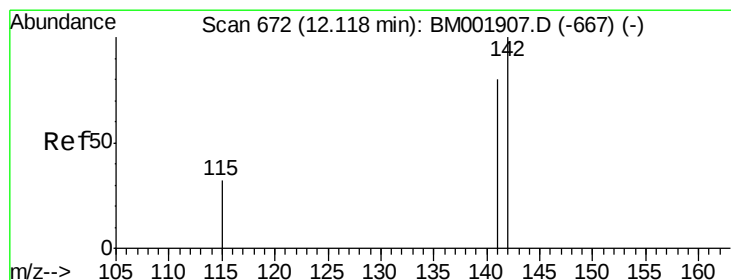
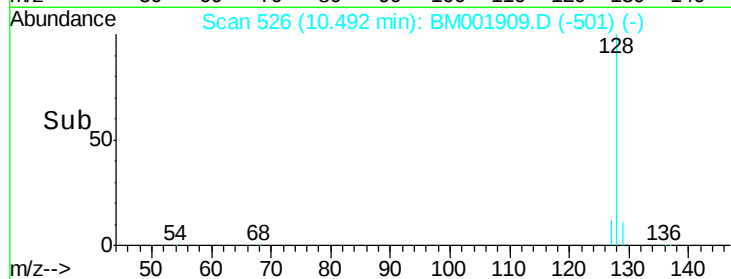
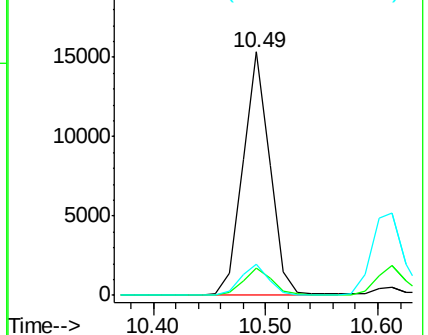
127 12.7 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.87 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. -0.01 min

Lab File: BM001909.D

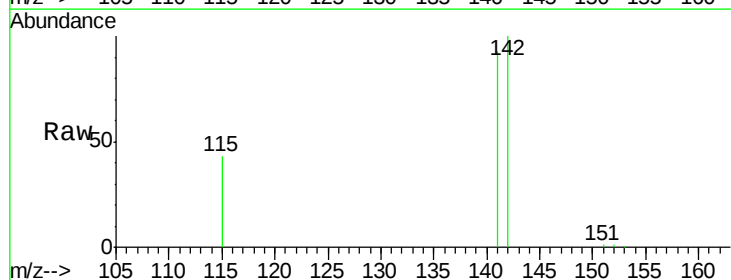
Acq: 13 Jul 2015 22:47

Tgt Ion:142 Resp: 17270

Ion Ratio Lower Upper

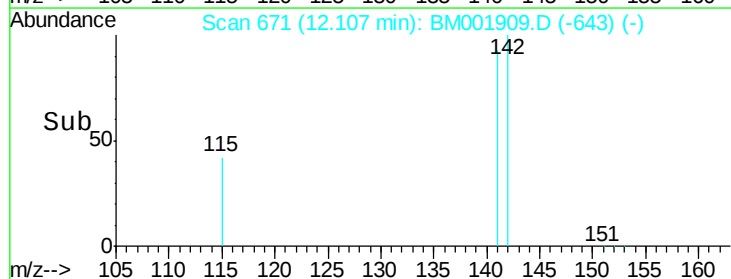
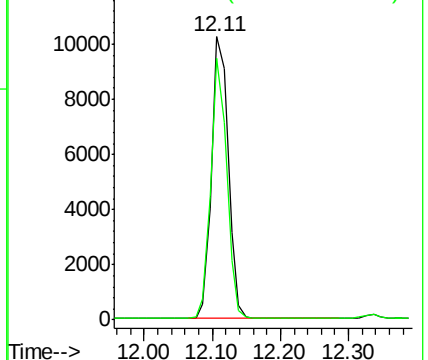
142 100

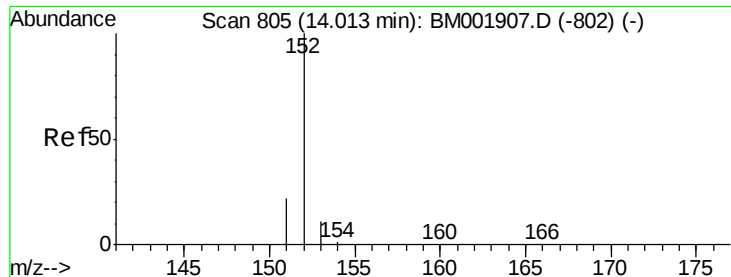
141 88.0 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.88 ng/ul

RT: 14.01 min Scan# 805

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

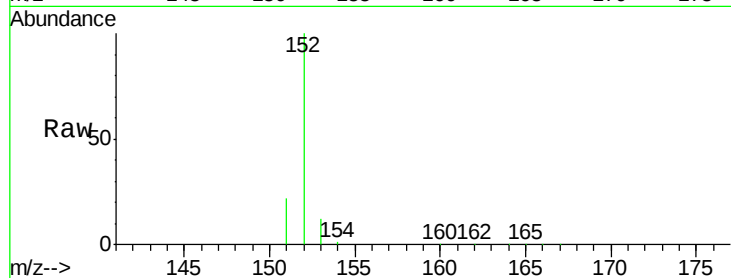
Tgt Ion:152 Resp: 26897

Ion Ratio Lower Upper

152 100

151 22.3 18.5 27.7

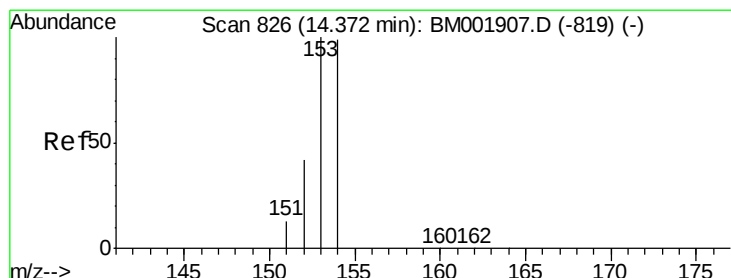
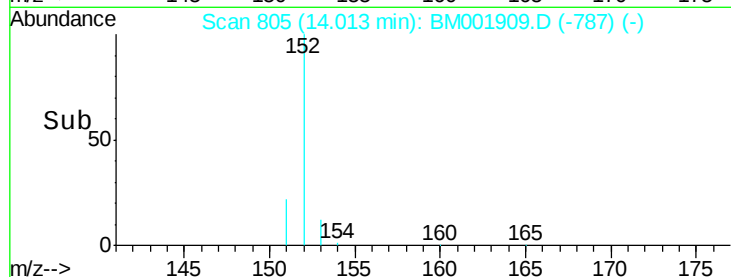
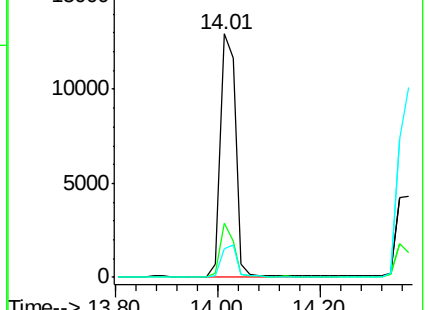
153 11.9 10.3 15.5



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



#8

Acenaphthene

Concen: 1.76 ng/ul

RT: 14.37 min Scan# 826

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

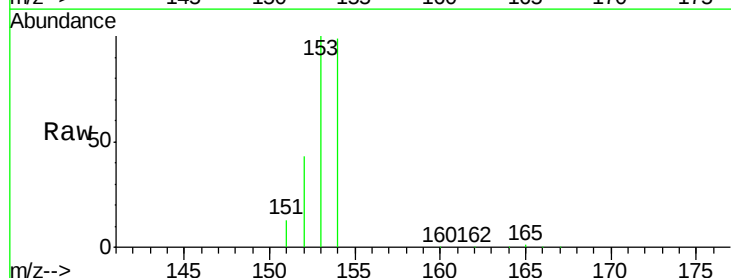
Tgt Ion:153 Resp: 18761

Ion Ratio Lower Upper

153 100

152 42.7 34.9 52.3

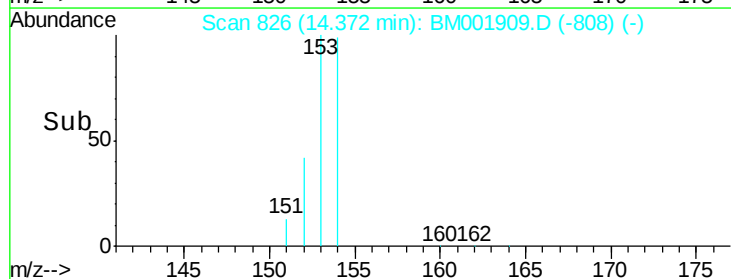
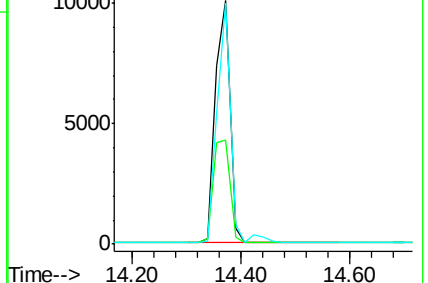
154 98.9 79.0 118.4

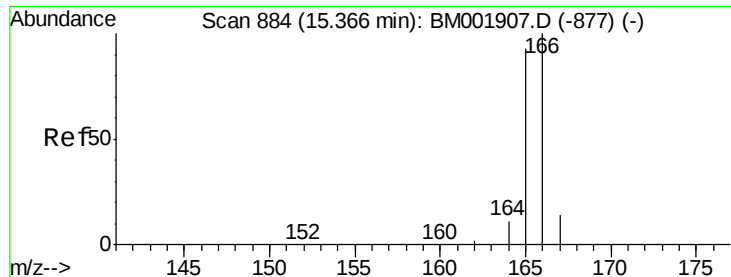


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

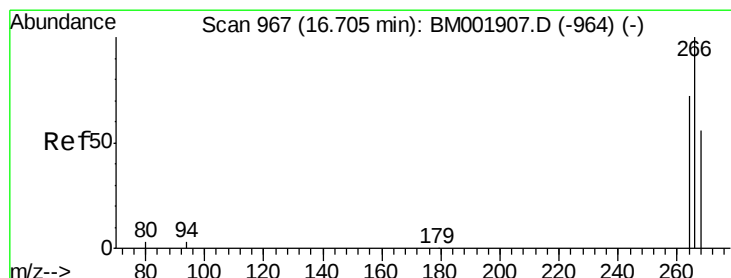
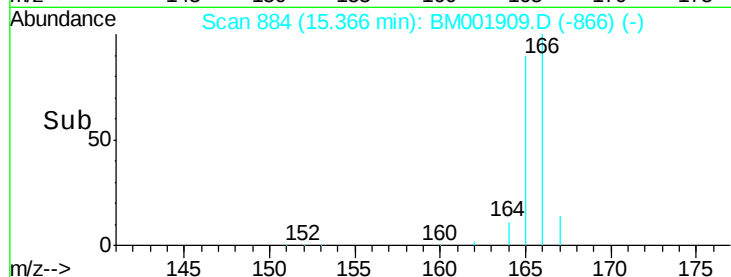
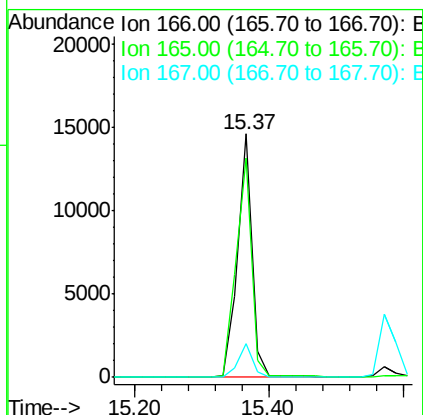
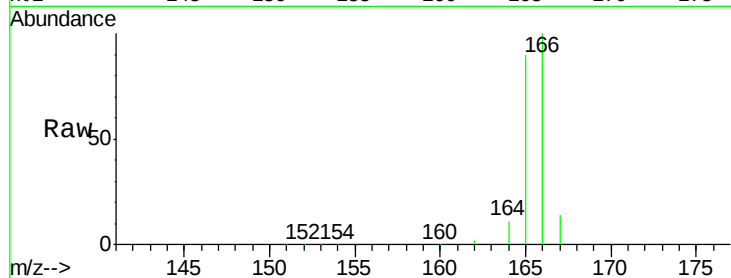




#9
Fluorene
 Concen: 1.80 ng/ul
 RT: 15.37 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BM001909.D
 Acq: 13 Jul 2015 22:47

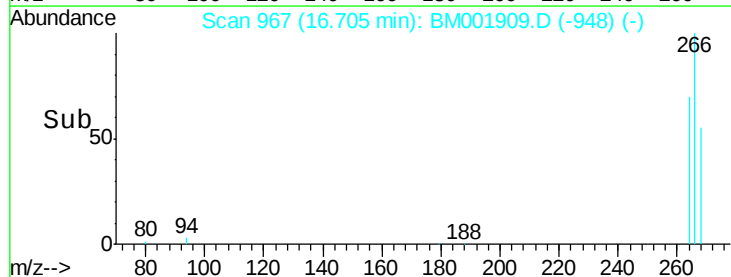
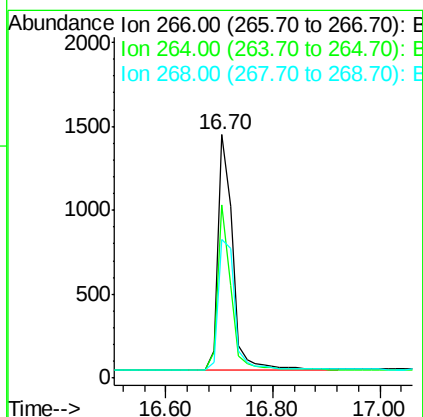
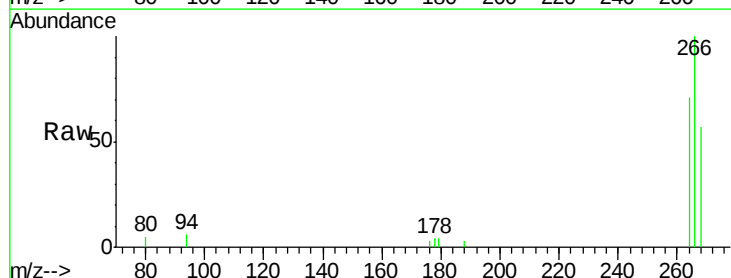
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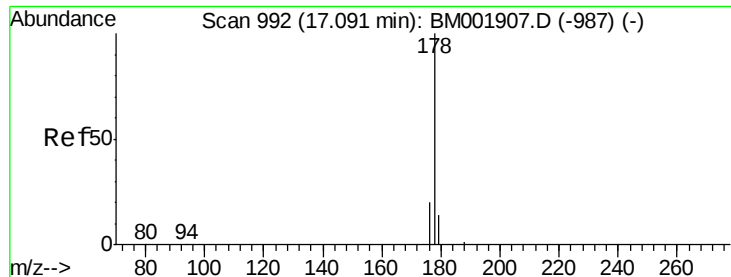
Tgt Ion:166 Resp: 21652
 Ion Ratio Lower Upper
 166 100
 165 89.9 74.4 111.6
 167 14.0 12.0 18.0



#11
Pentachlorophenol
 Concen: 2.02 ng/ul
 RT: 16.70 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BM001909.D
 Acq: 13 Jul 2015 22:47

Tgt Ion:266 Resp: 2673
 Ion Ratio Lower Upper
 266 100
 264 63.0 49.9 74.9
 268 62.7 52.1 78.1

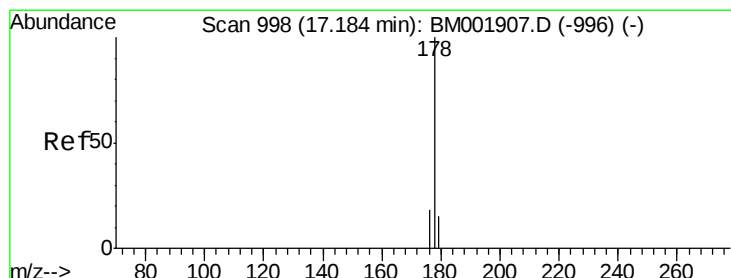
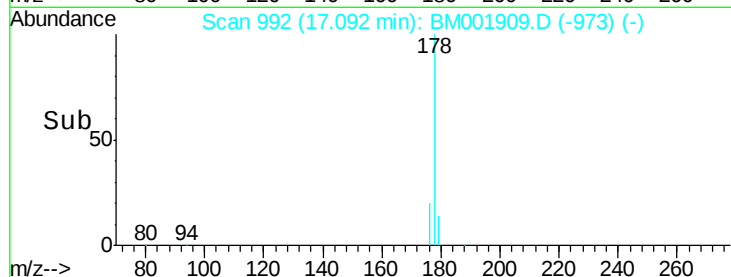
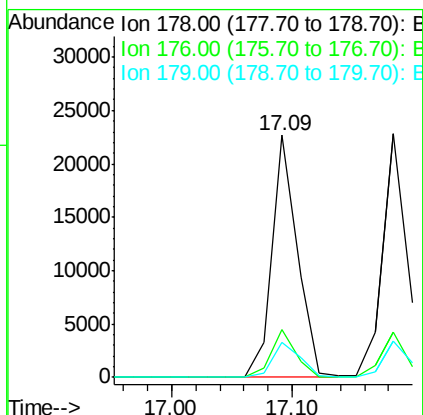
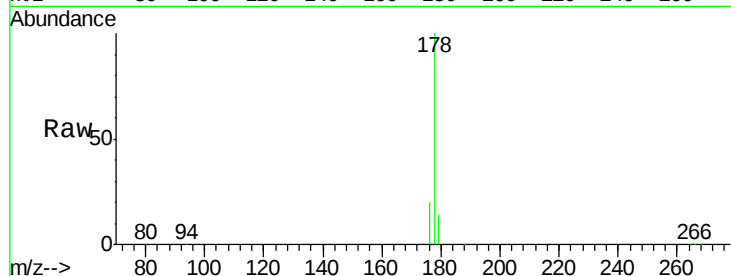




#12
Phenanthrene
Concen: 1.78 ng/ul
RT: 17.09 min Scan# 992
Delta R.T. 0.00 min
Lab File: BM001909.D
Acq: 13 Jul 2015 22:47

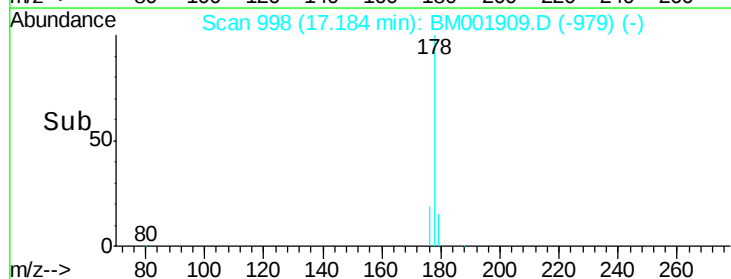
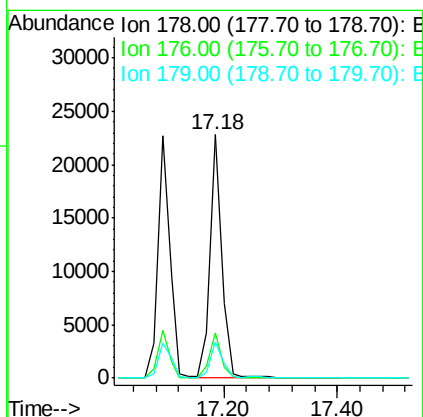
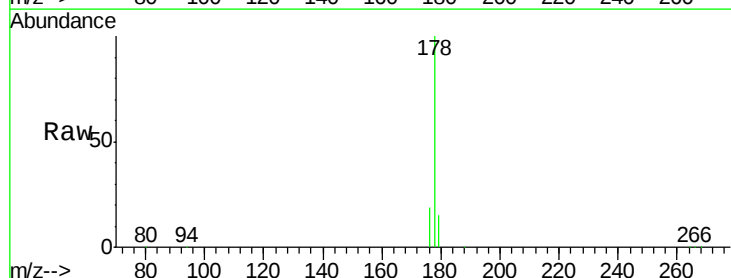
Instrument :
BNA_M
ClientSampleId :
SSTD1.646

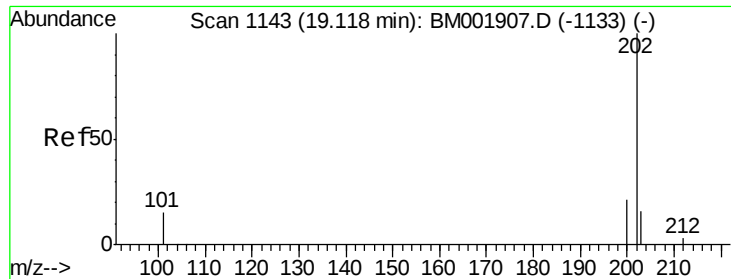
Tgt Ion:178 Resp: 33033
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 14.5 12.2 18.2



#13
Anthracene
Concen: 1.89 ng/ul
RT: 17.18 min Scan# 998
Delta R.T. 0.00 min
Lab File: BM001909.D
Acq: 13 Jul 2015 22:47

Tgt Ion:178 Resp: 32346
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 14.9 12.6 18.8

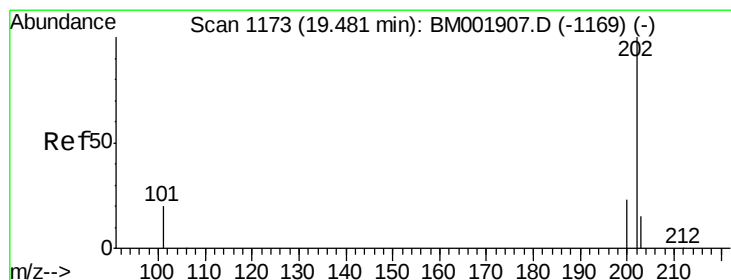
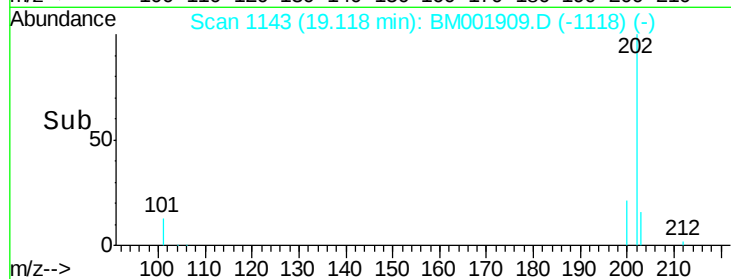
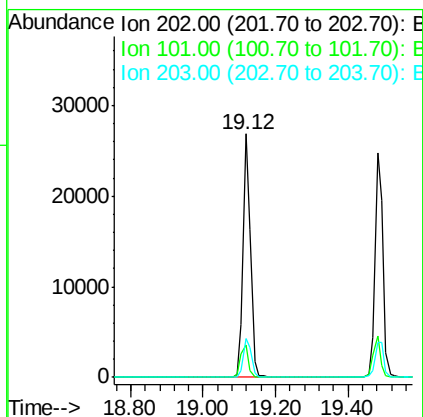
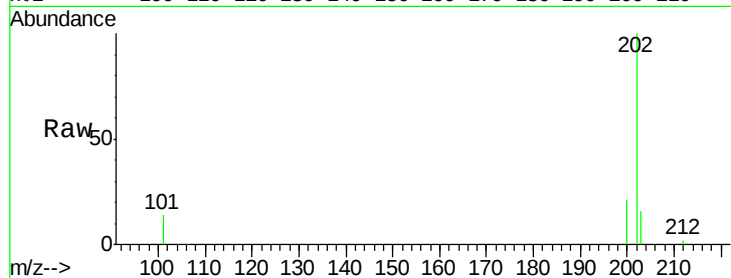




#15
 Fluoranthene
 Concen: 1.88 ng/ul
 RT: 19.12 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: BM001909.D
 Acq: 13 Jul 2015 22:47

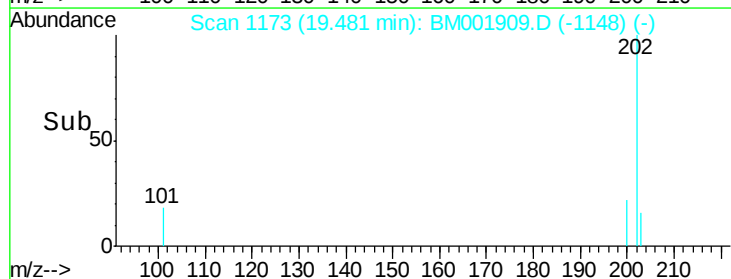
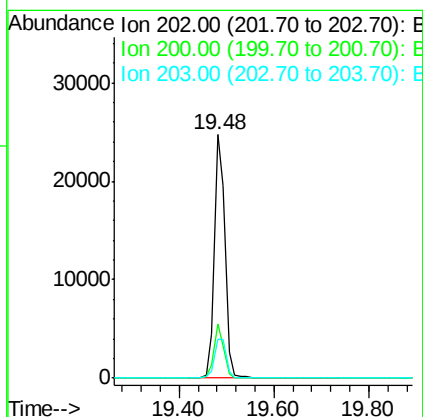
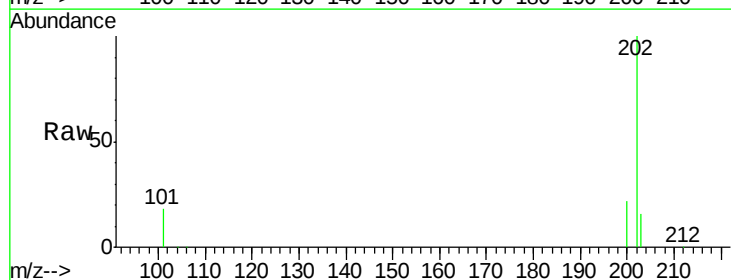
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.646

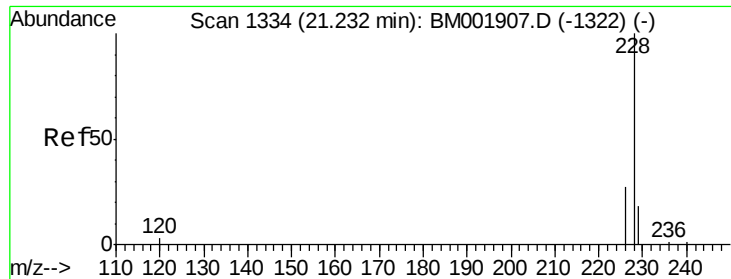
Tgt Ion:202 Resp: 37401
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 35.3
 203 16.0 0.0 36.8



#17
 Pyrene
 Concen: 1.76 ng/ul
 RT: 19.48 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BM001909.D
 Acq: 13 Jul 2015 22:47

Tgt Ion:202 Resp: 37759
 Ion Ratio Lower Upper
 202 100
 200 22.2 18.7 28.1
 203 15.8 13.0 19.4





#18

Benzo(a)anthracene

Concen: 1.83 ng/ul

RT: 21.23 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

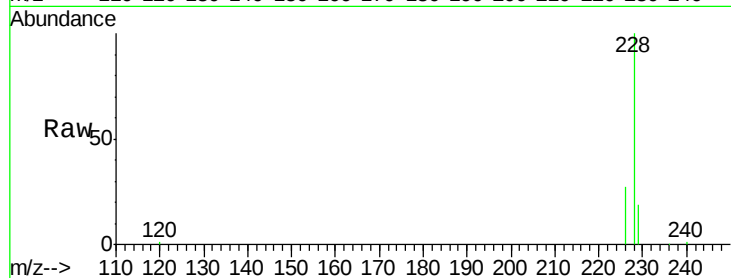
Tgt Ion:228 Resp: 32421

Ion Ratio Lower Upper

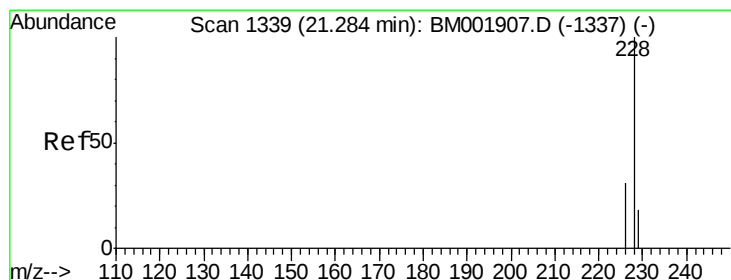
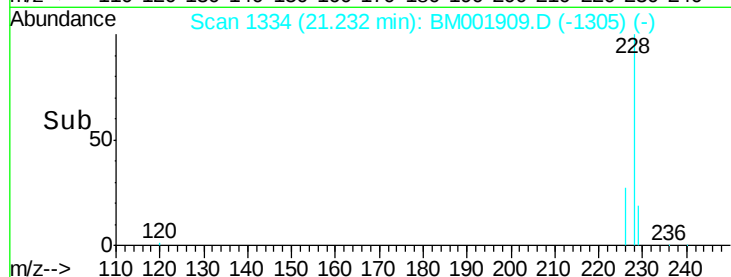
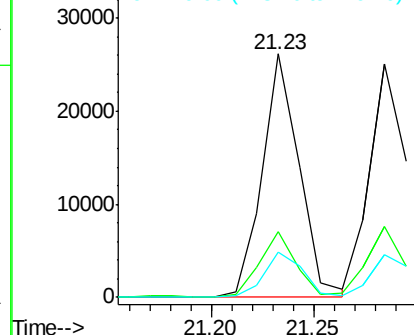
228 100

226 27.1 22.3 33.5

229 18.7 15.2 22.8



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



#19

Chrysene

Concen: 1.69 ng/ul

RT: 21.28 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

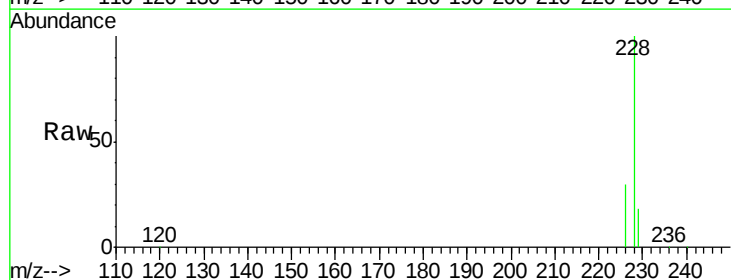
Tgt Ion:228 Resp: 31389

Ion Ratio Lower Upper

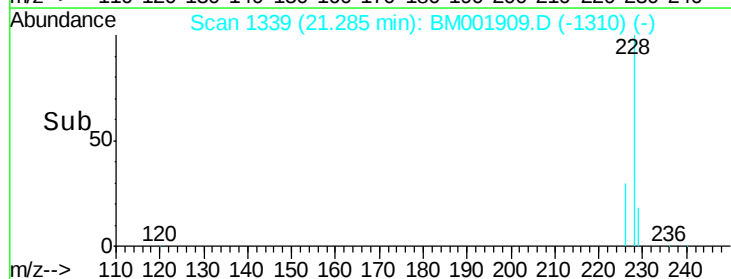
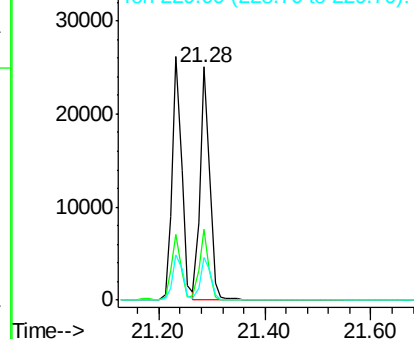
228 100

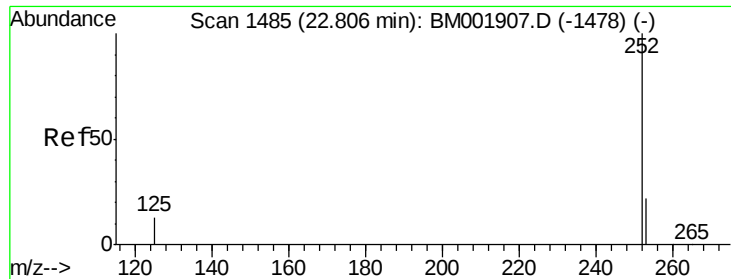
226 30.3 25.7 38.5

229 18.4 14.8 22.2



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

Benzo(b)fluoranthene

Concen: 1.85 ng/ul

RT: 22.81 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

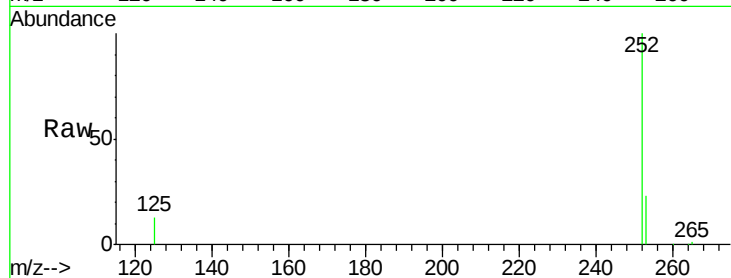
Tgt Ion:252 Resp: 31893

Ion Ratio Lower Upper

252 100

253 23.4 0.0 49.0

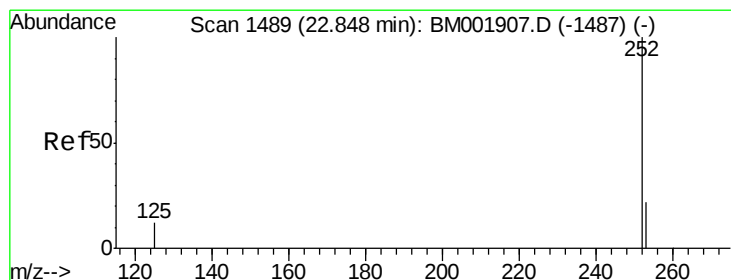
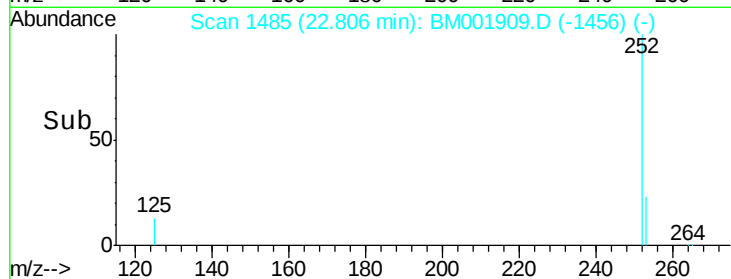
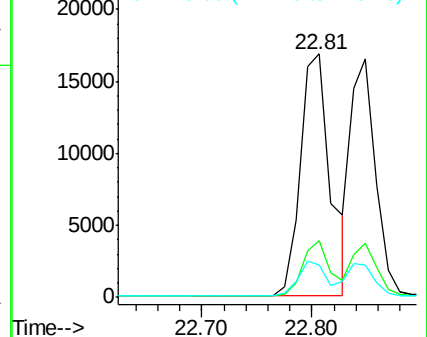
125 13.3 0.0 31.0



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



#22

Benzo(k)fluoranthene

Concen: 1.62 ng/ul

RT: 22.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

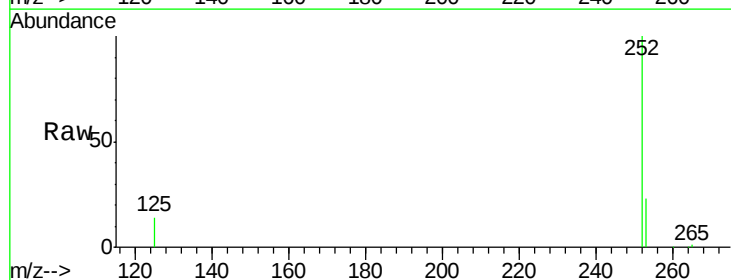
Tgt Ion:252 Resp: 25844

Ion Ratio Lower Upper

252 100

253 22.8 18.7 28.1

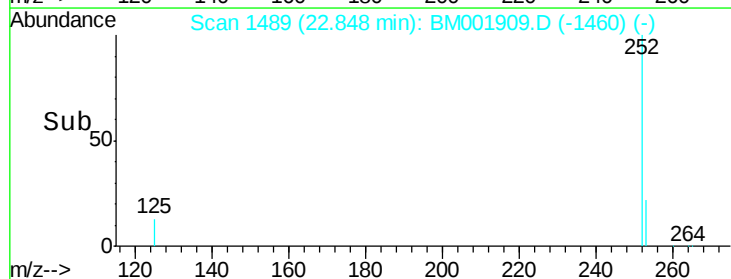
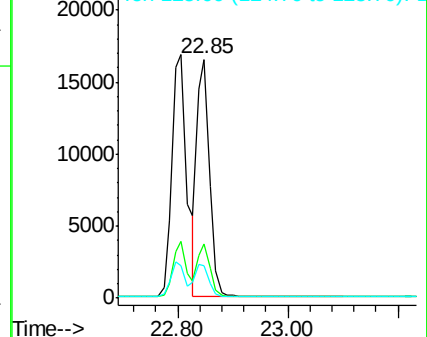
125 13.7 12.5 18.7

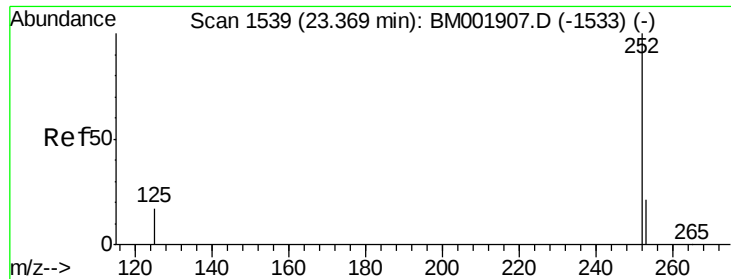


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.75 ng/ul

RT: 23.38 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

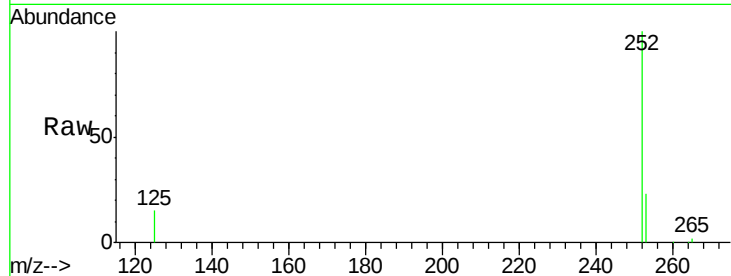
Tgt Ion:252 Resp: 26858

Ion Ratio Lower Upper

252 100

253 23.0 18.6 27.8

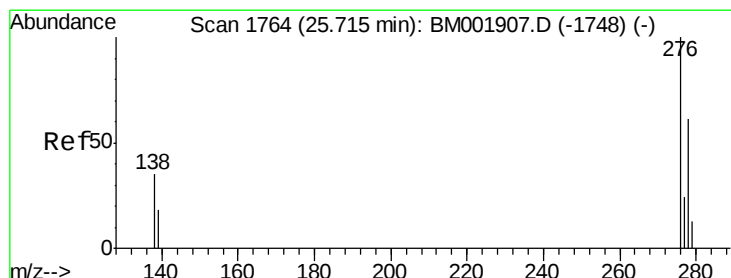
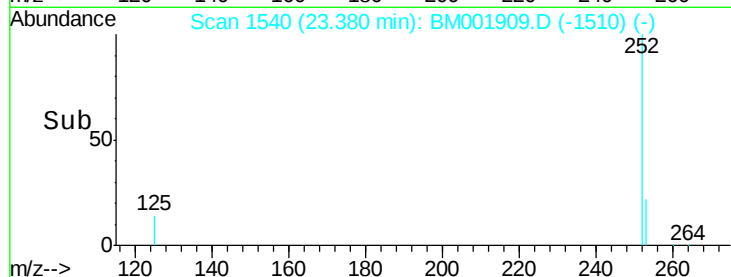
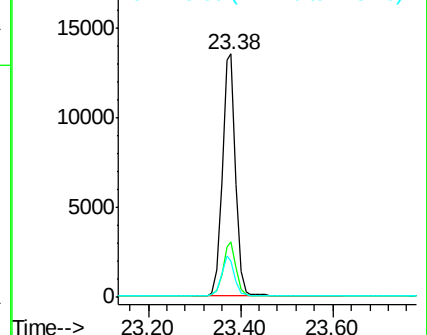
125 15.1 15.4 23.2#



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

Indeno(1,2,3-cd)pyrene

Concen: 1.52 ng/ul

RT: 25.71 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

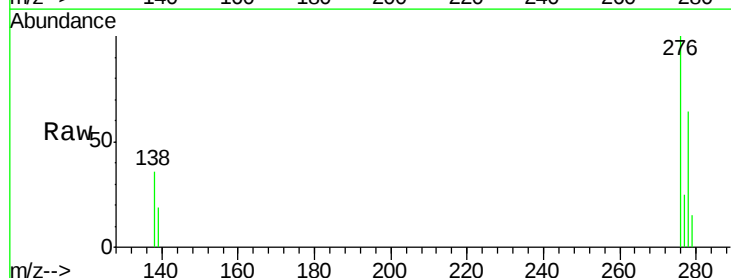
Tgt Ion:276 Resp: 26568

Ion Ratio Lower Upper

276 100

138 35.8 28.5 42.7

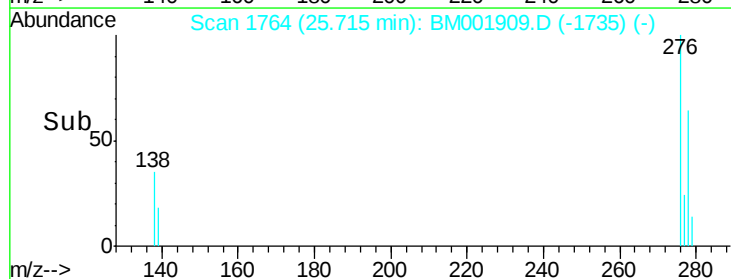
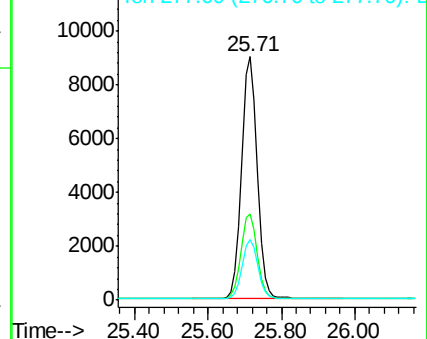
277 24.4 19.6 29.4

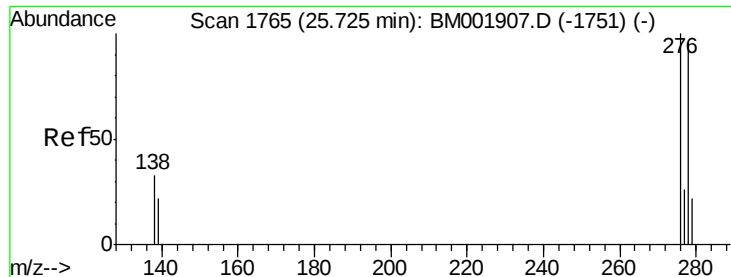


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.49 ng/ul

RT: 25.73 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

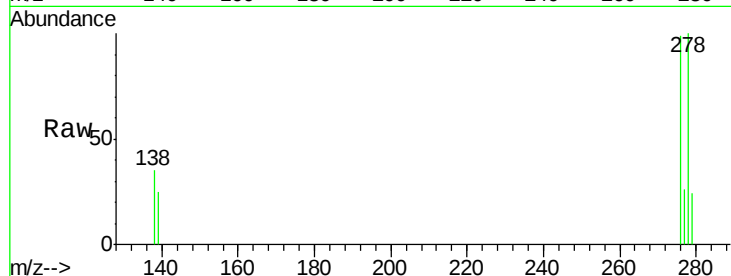
Tgt Ion:278 Resp: 21082

Ion Ratio Lower Upper

278 100

139 24.6 20.6 31.0

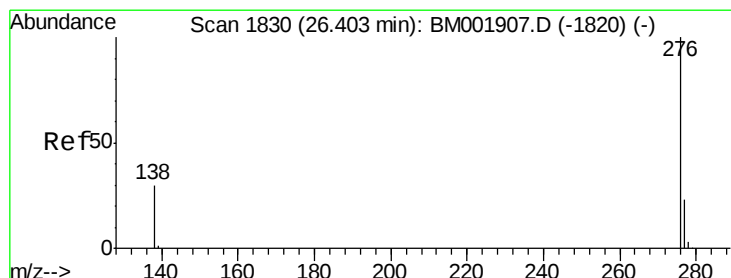
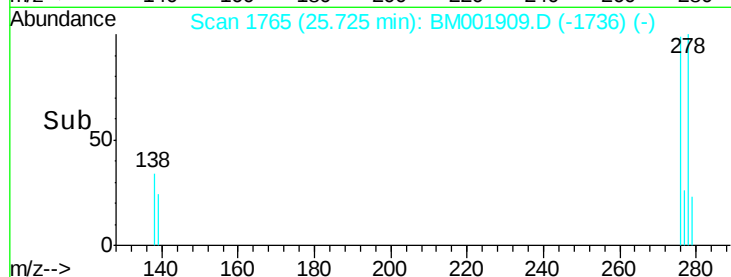
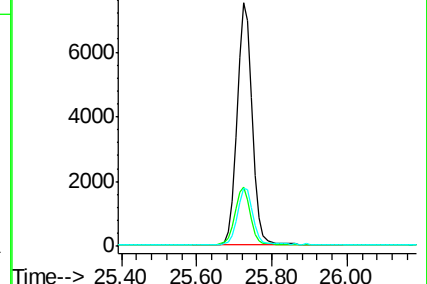
279 23.7 20.3 30.5



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



#26

Benzo(g,h,i)perylene

Concen: 1.45 ng/ul

RT: 26.40 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BM001909.D

Acq: 13 Jul 2015 22:47

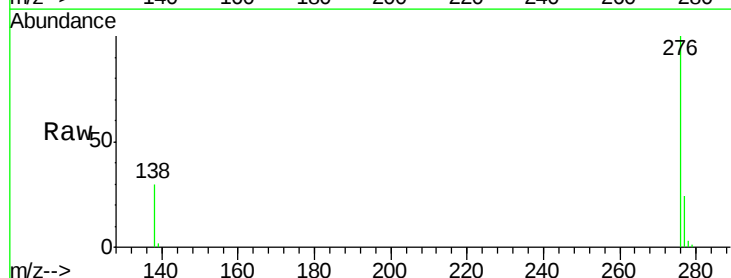
Tgt Ion:276 Resp: 22172

Ion Ratio Lower Upper

276 100

277 23.9 20.1 30.1

138 30.1 25.5 38.3



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

