

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071415\
 Data File : BM001907.D
 Acq On : 13 Jul 2015 21:34
 Operator : TP/UM
 Sample : SSTD0.444
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.444

Quant Time: Jul 14 04:20:58 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	1208	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	4646	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	2413	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5307	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4712	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	4298	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	2922	0.49	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	5821	0.49	ng/ul	0.00

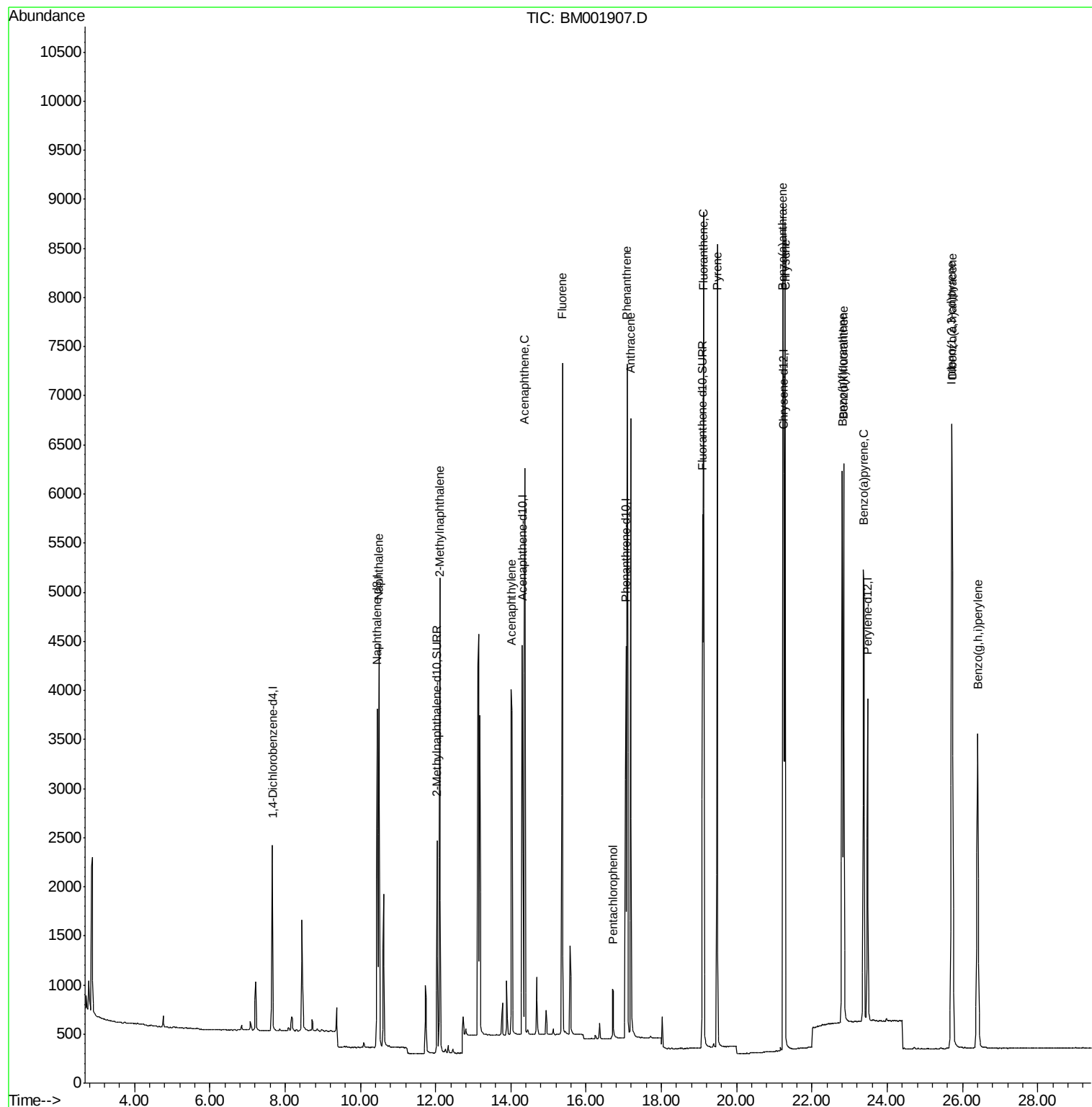
Target Compounds				Qvalue		
3) Naphthalene	10.49	128	5664	0.45	ng/ul	100
5) 2-Methylnaphthalene	12.12	142	3730	0.46	ng/ul	100
7) Acenaphthylene	14.01	152	5727	0.47	ng/ul	100
8) Acenaphthene	14.37	153	4034	0.44	ng/ul	100
9) Fluorene	15.37	166	4632	0.45	ng/ul	100
11) Pentachlorophenol	16.70	266	508	0.43	ng/ul	100
12) Phenanthrene	17.09	178	7447	0.45	ng/ul	100
13) Anthracene	17.18	178	7087	0.47	ng/ul	100
15) Fluoranthene	19.12	202	8230	0.46	ng/ul	100
17) Pyrene	19.48	202	8452	0.44	ng/ul	100
18) Benzo(a)anthracene	21.23	228	7309	0.46	ng/ul	100
19) Chrysene	21.28	228	7254	0.43	ng/ul	100
21) Benzo(b)fluoranthene	22.81	252	7648	0.44	ng/ul	100
22) Benzo(k)fluoranthene	22.85	252	6567	0.41	ng/ul	100
23) Benzo(a)pyrene	23.37	252	6695	0.44	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.71	276	7298	0.42	ng/ul	100
25) Dibenzo(a,h)anthracene	25.72	278	5852	0.41	ng/ul	100
26) Benzo(g,h,i)perylene	26.40	276	6254	0.41	ng/ul	100

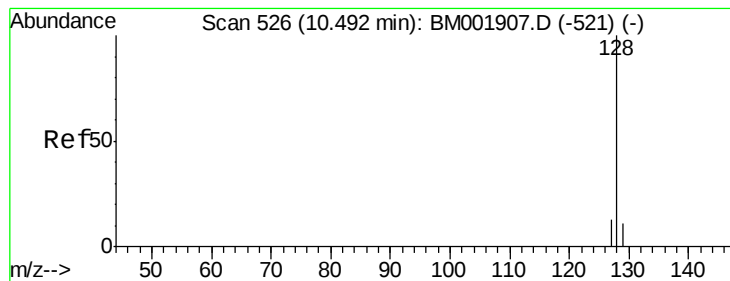
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 14 04:19:54 2015
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#3

Naphthalene

Concen: 0.45 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

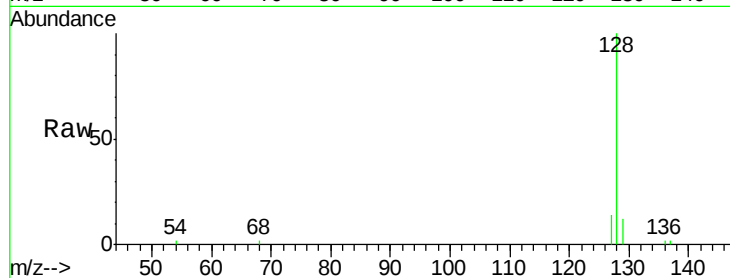
Tgt Ion:128 Resp: 5664

Ion Ratio Lower Upper

128 100

129 12.0 9.6 14.4

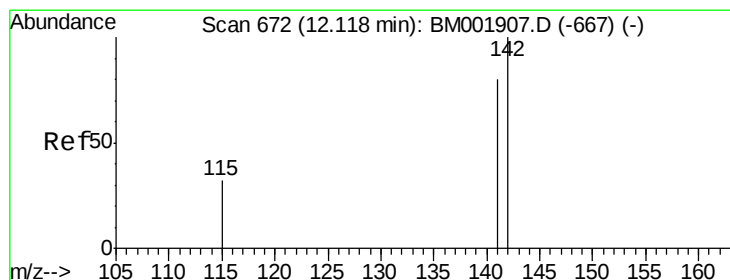
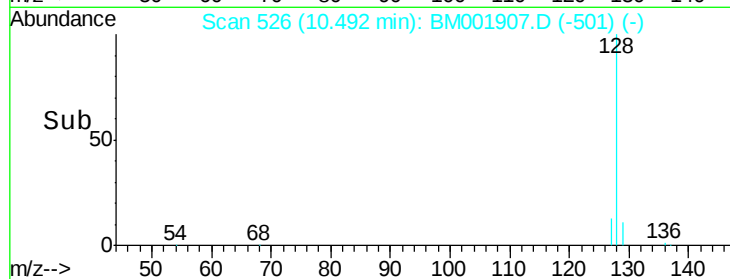
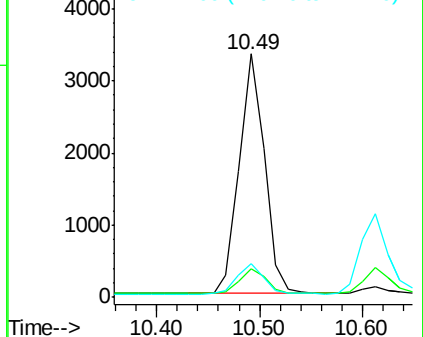
127 13.8 11.0 16.6



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: 0.46 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM001907.D

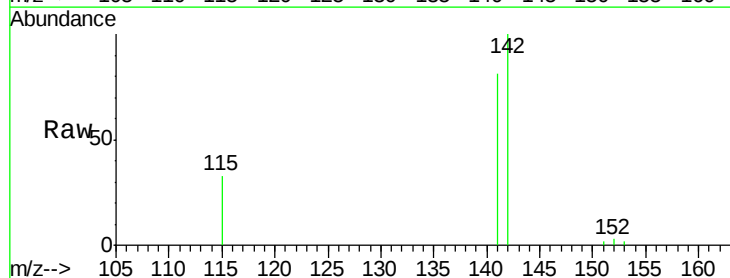
Acq: 13 Jul 2015 21:34

Tgt Ion:142 Resp: 3730

Ion Ratio Lower Upper

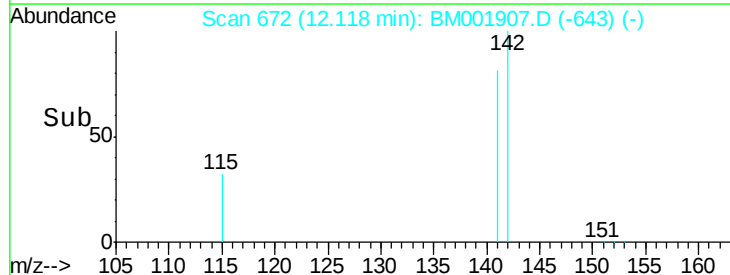
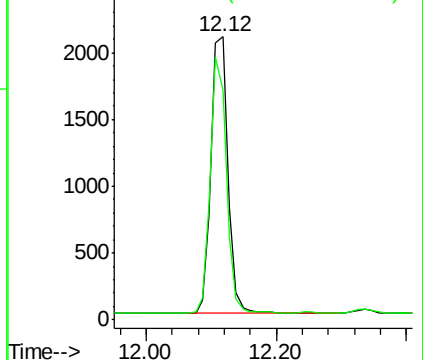
142 100

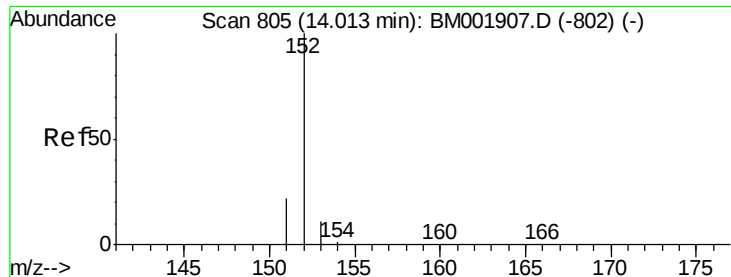
141 88.4 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.47 ng/ul

RT: 14.01 min Scan# 805

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

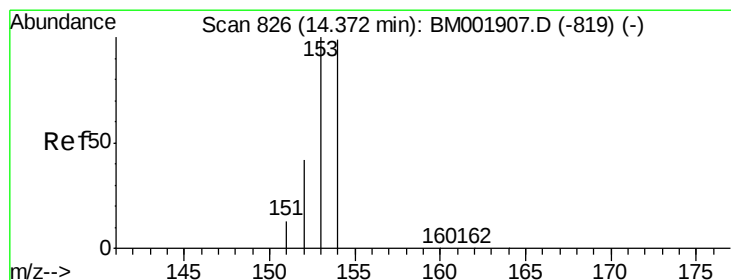
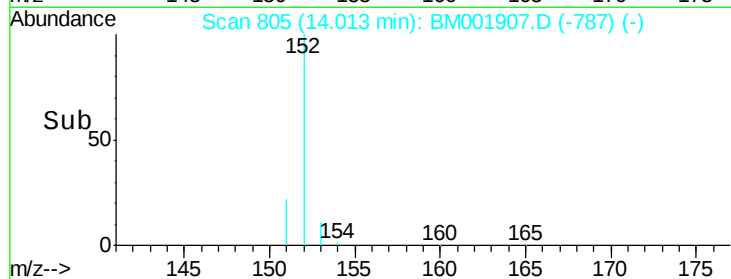
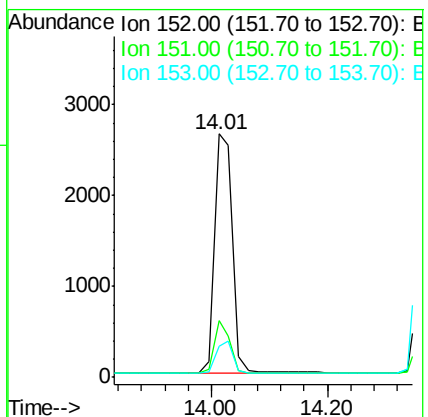
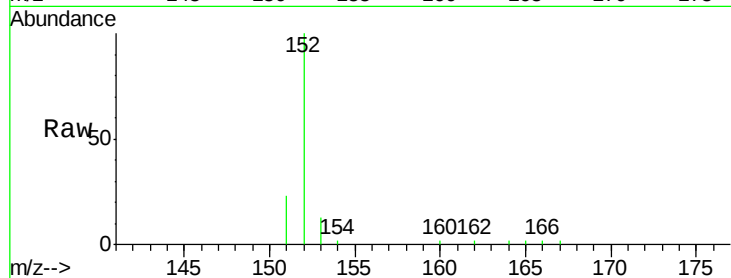
Tgt Ion:152 Resp: 5727

Ion Ratio Lower Upper

152 100

151 23.1 18.5 27.7

153 12.9 10.3 15.5



#8

Acenaphthene

Concen: 0.44 ng/ul

RT: 14.37 min Scan# 826

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

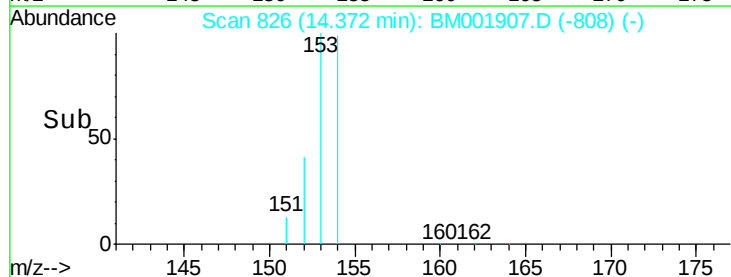
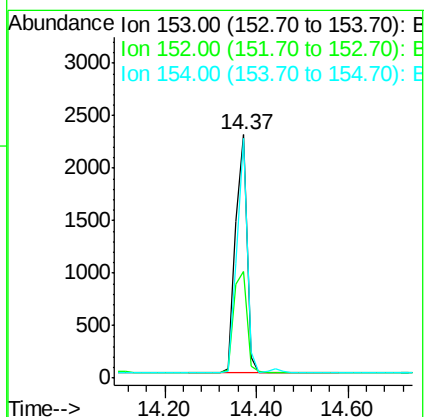
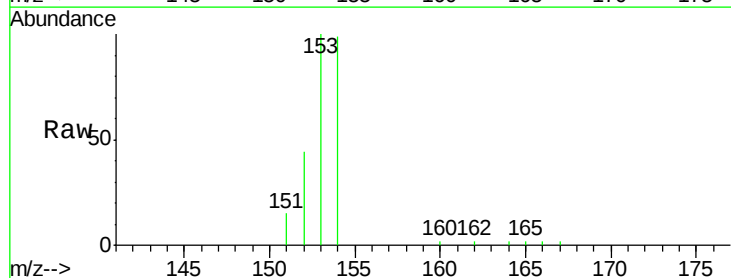
Tgt Ion:153 Resp: 4034

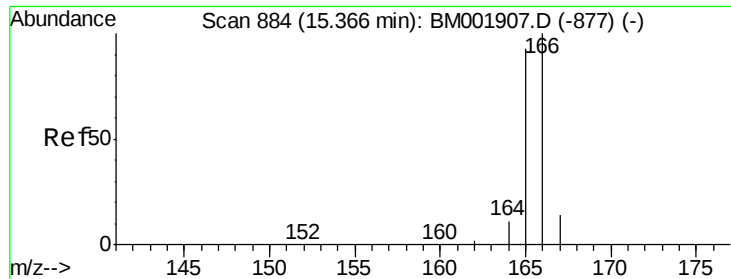
Ion Ratio Lower Upper

153 100

152 43.6 34.9 52.3

154 98.7 79.0 118.4

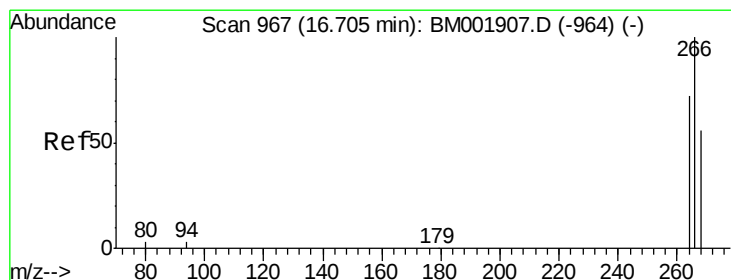
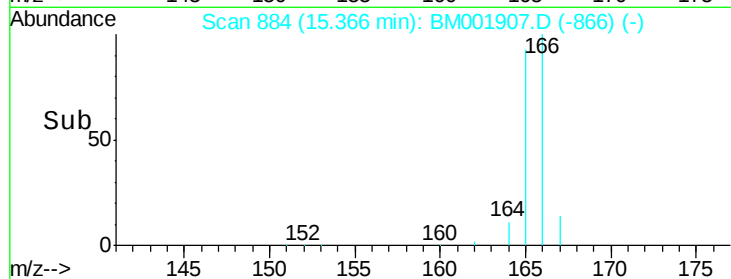
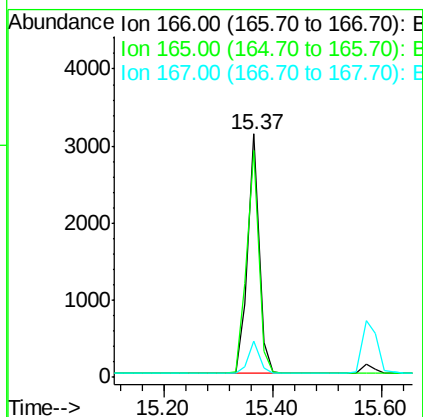
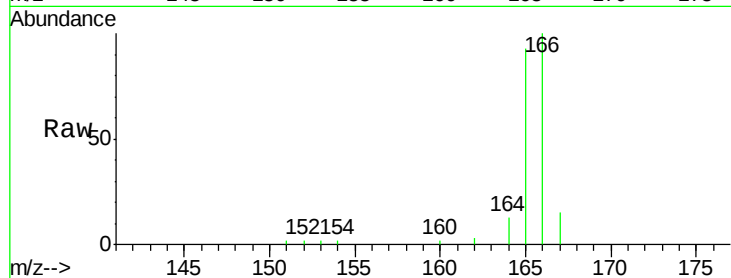




#9
Fluorene
 Concen: 0.45 ng/ul
 RT: 15.37 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BM001907.D
 Acq: 13 Jul 2015 21:34

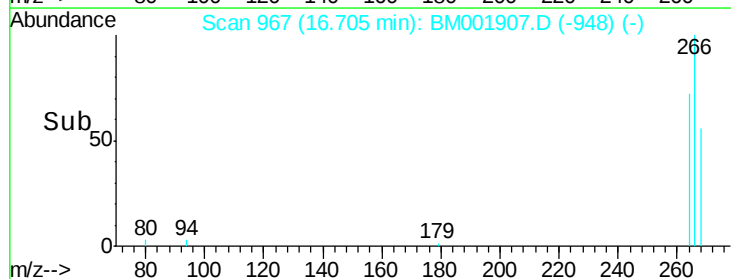
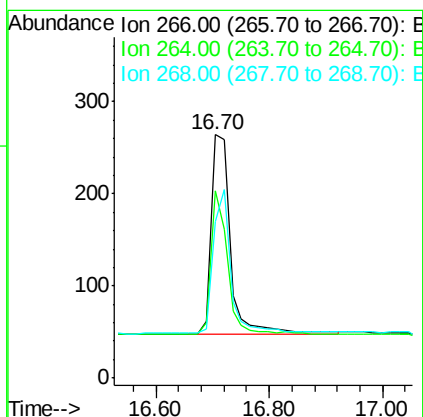
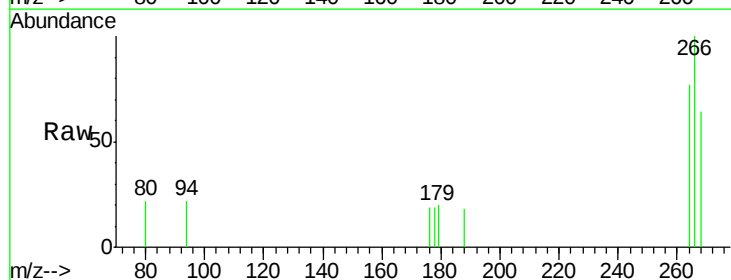
Instrument :
 BNA_M
 ClientSampleId :
 SST0.444

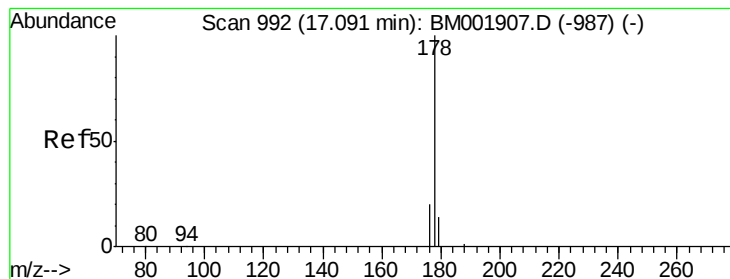
Tgt Ion:166 Resp: 4632
 Ion Ratio Lower Upper
 166 100
 165 93.0 74.4 111.6
 167 15.0 12.0 18.0



#11
Pentachlorophenol
 Concen: 0.43 ng/ul
 RT: 16.70 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BM001907.D
 Acq: 13 Jul 2015 21:34

Tgt Ion:266 Resp: 508
 Ion Ratio Lower Upper
 266 100
 264 62.4 49.9 74.9
 268 65.2 52.1 78.1





#12

Phenanthrene

Concen: 0.45 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

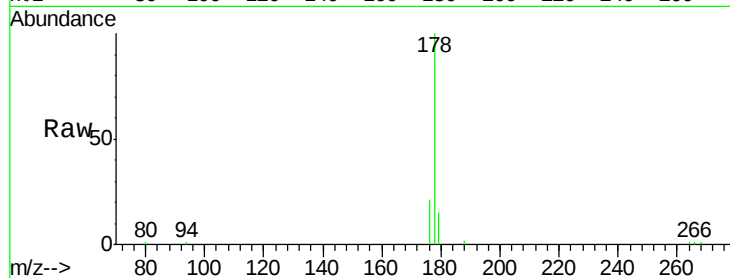
Tgt Ion:178 Resp: 7447

Ion Ratio Lower Upper

178 100

176 20.8 16.6 25.0

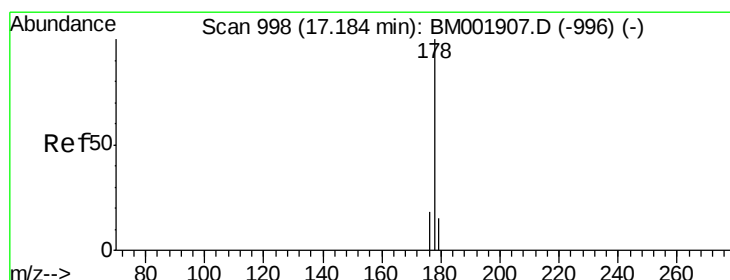
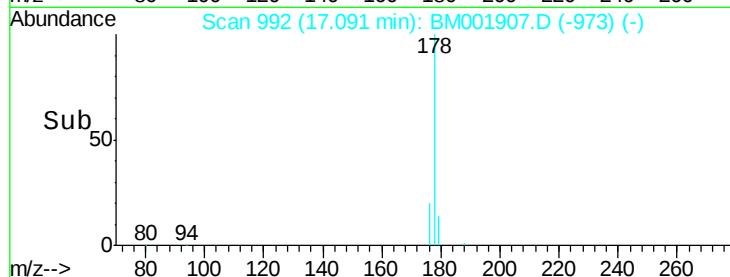
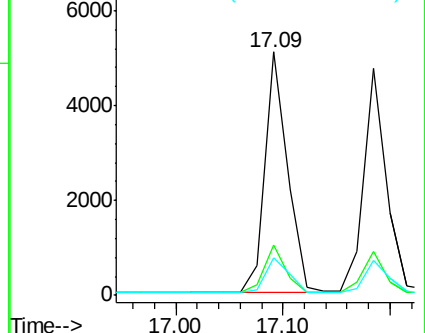
179 15.2 12.2 18.2



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



#13

Anthracene

Concen: 0.47 ng/ul

RT: 17.18 min Scan# 998

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

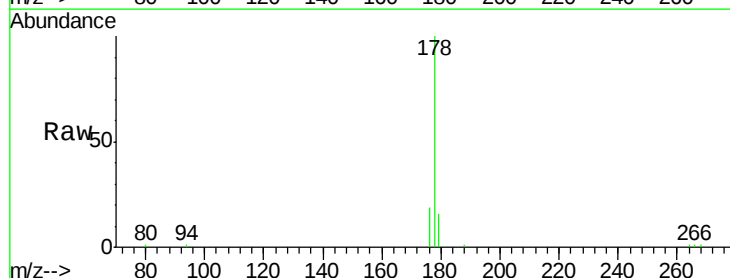
Tgt Ion:178 Resp: 7087

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

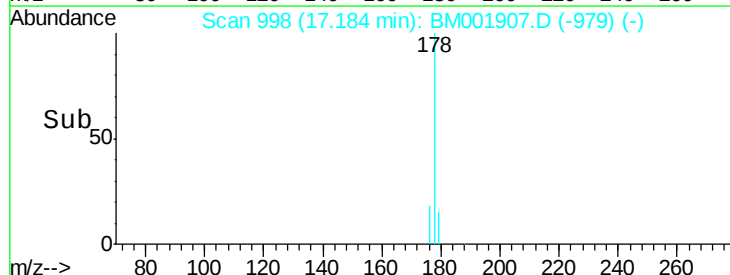
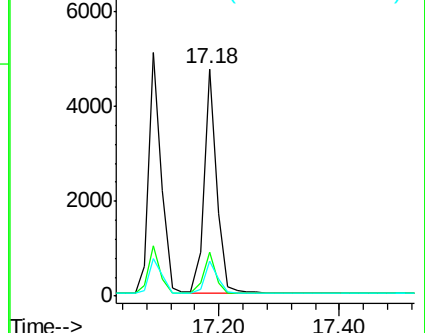
179 15.7 12.6 18.8

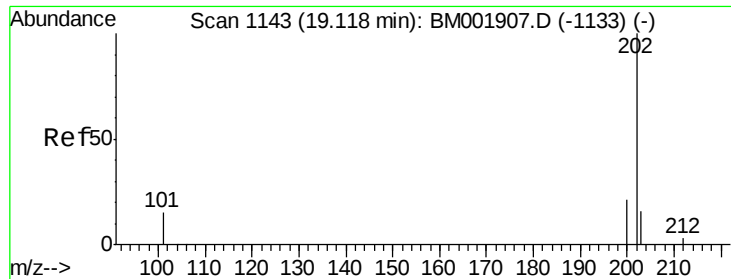


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

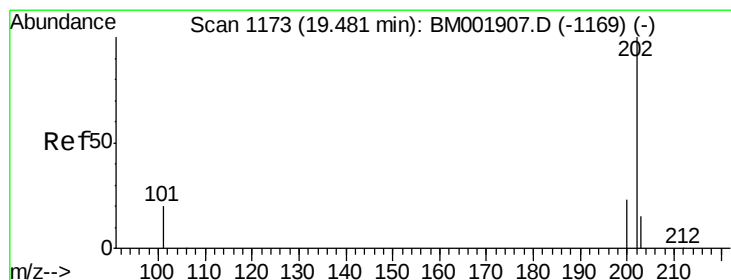
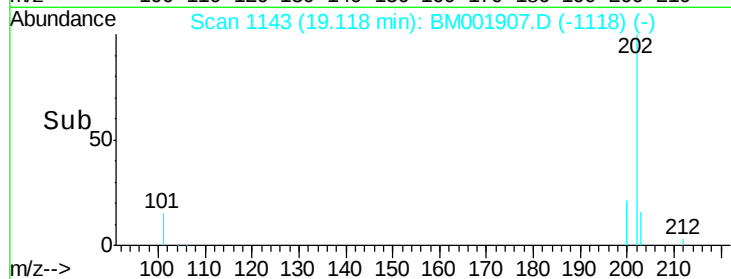
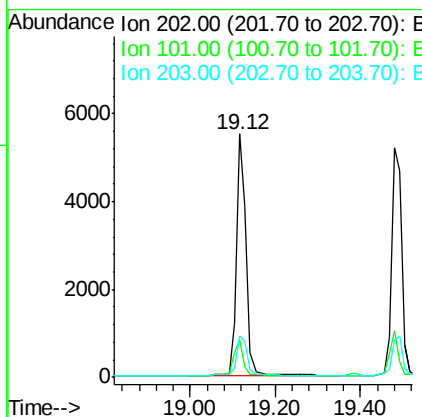
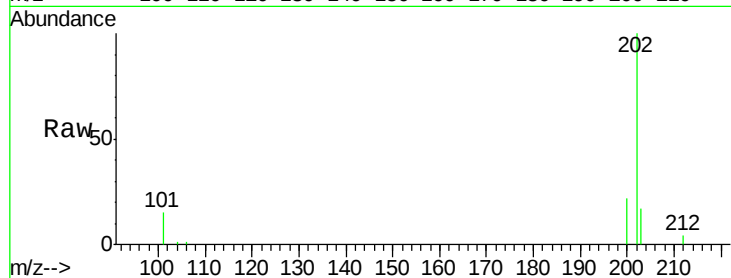




#15
Fluoranthene
 Concen: 0.46 ng/ul
 RT: 19.12 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: BM001907.D
 Acq: 13 Jul 2015 21:34

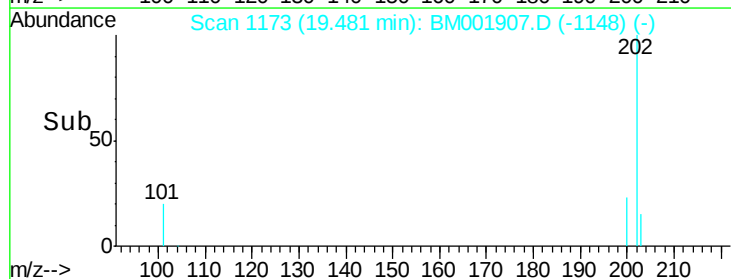
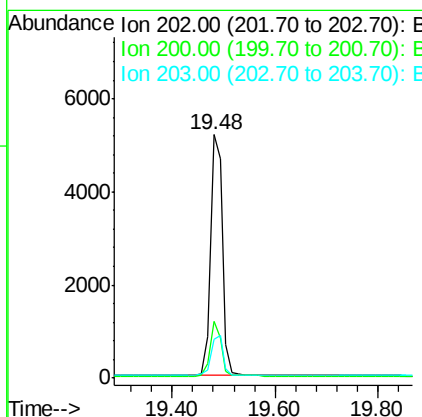
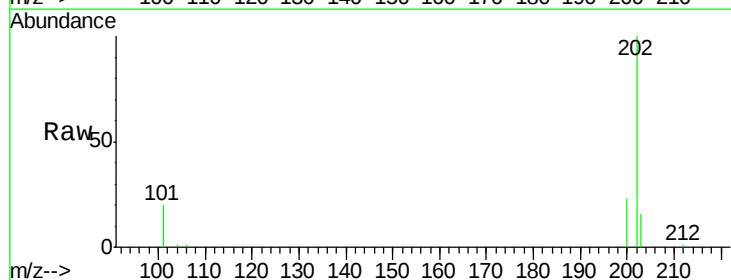
Instrument :
 BNA_M
 ClientSampleId :
 SST0.444

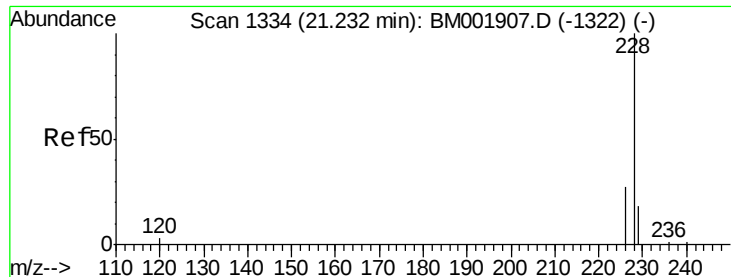
Tgt Ion:202 Resp: 8230
 Ion Ratio Lower Upper
 202 100
 101 15.3 0.0 35.3
 203 16.8 0.0 36.8



#17
Pyrene
 Concen: 0.44 ng/ul
 RT: 19.48 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BM001907.D
 Acq: 13 Jul 2015 21:34

Tgt Ion:202 Resp: 8452
 Ion Ratio Lower Upper
 202 100
 200 23.4 18.7 28.1
 203 16.2 13.0 19.4





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.23 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

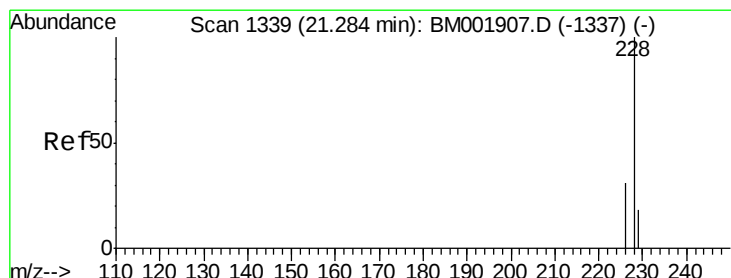
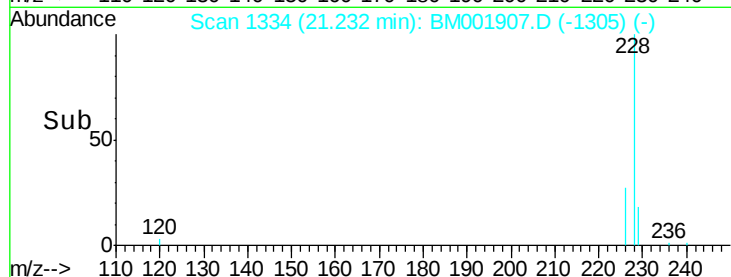
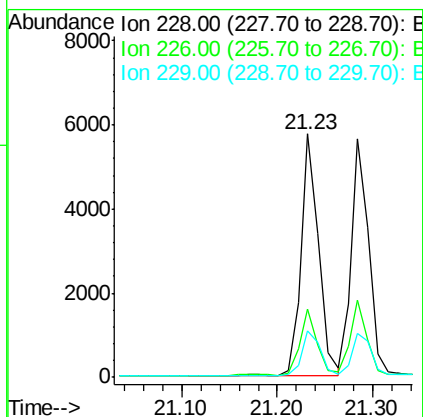
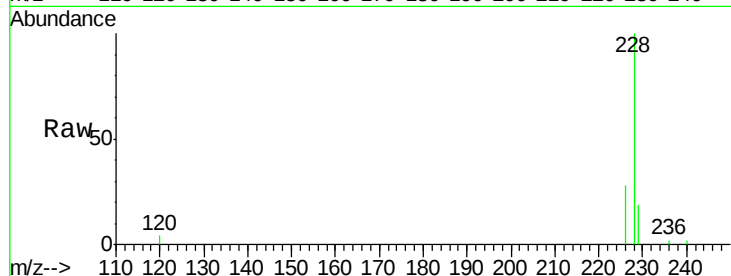
Tgt Ion:228 Resp: 7309

Ion Ratio Lower Upper

228 100

226 27.9 22.3 33.5

229 19.0 15.2 22.8



#19

Chrysene

Concen: 0.43 ng/ul

RT: 21.28 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

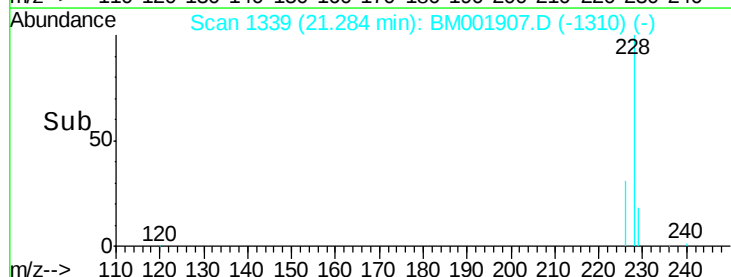
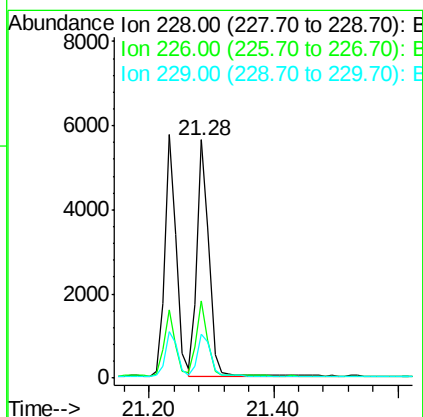
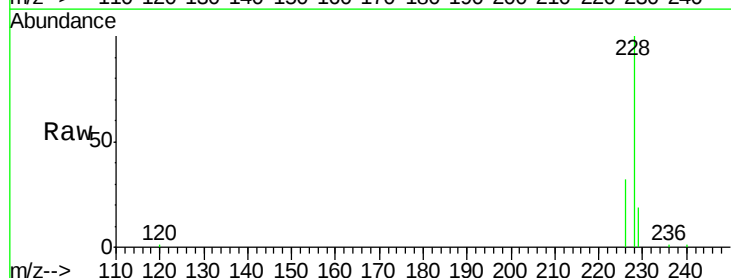
Tgt Ion:228 Resp: 7254

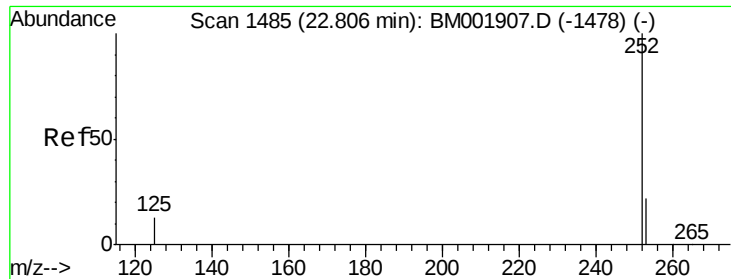
Ion Ratio Lower Upper

228 100

226 32.1 25.7 38.5

229 18.5 14.8 22.2





#21

Benzo(b)fluoranthene

Concen: 0.44 ng/ul

RT: 22.81 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

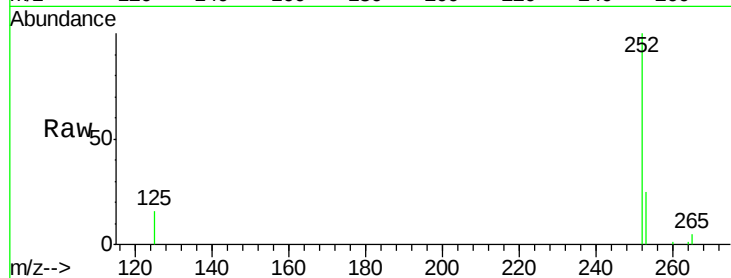
Tgt Ion:252 Resp: 7648

Ion Ratio Lower Upper

252 100

253 24.5 0.0 49.0

125 15.5 0.0 31.0

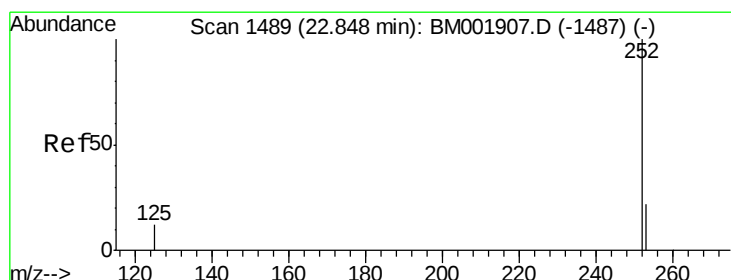
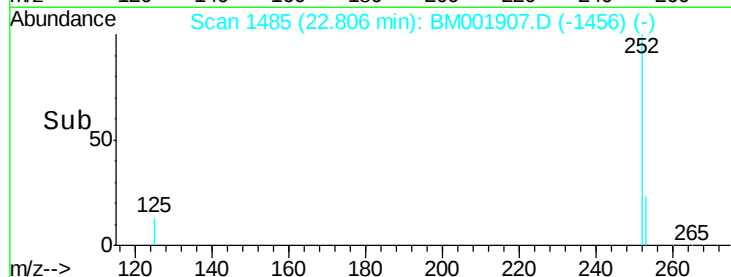
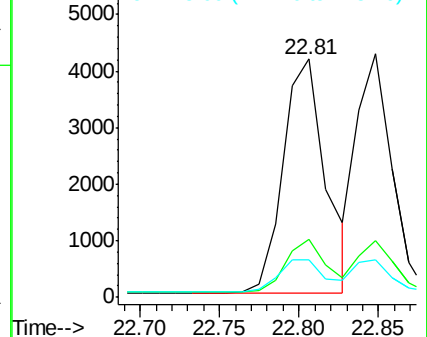


Abundance

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: 0.41 ng/ul

RT: 22.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

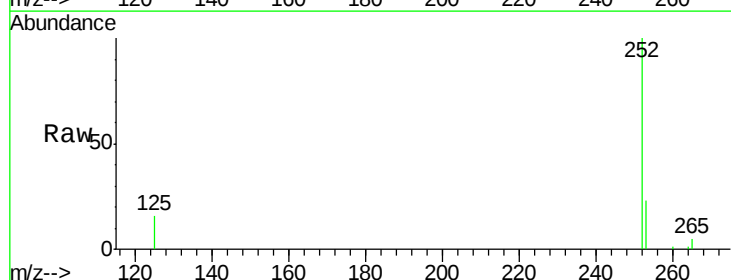
Tgt Ion:252 Resp: 6567

Ion Ratio Lower Upper

252 100

253 23.4 18.7 28.1

125 15.6 12.5 18.7

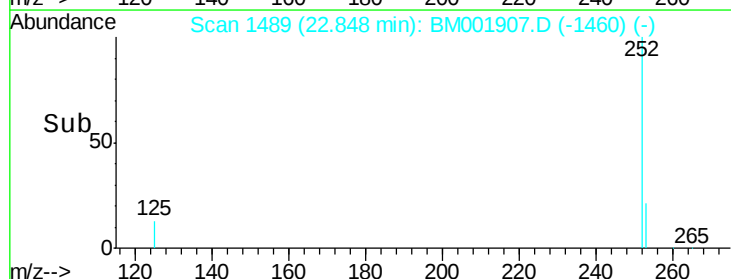
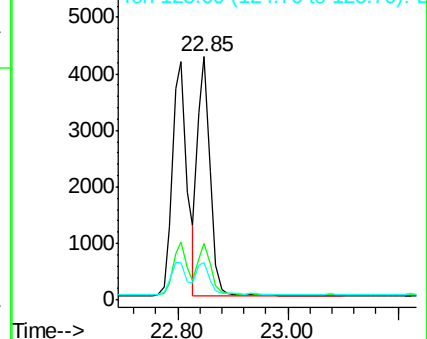


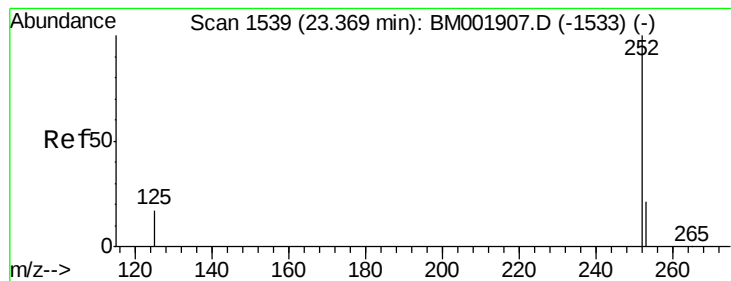
Abundance

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: 0.44 ng/ul

RT: 23.37 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

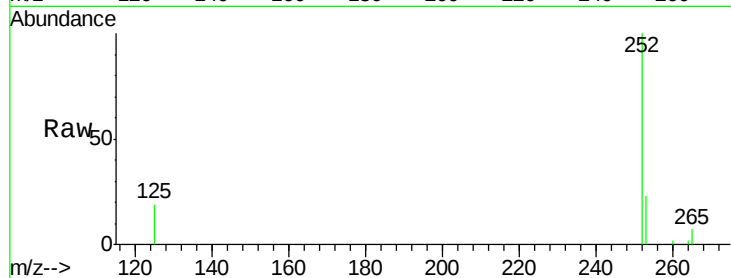
Tgt Ion: 252 Resp: 6695

Ion Ratio Lower Upper

252 100

253 23.2 18.6 27.8

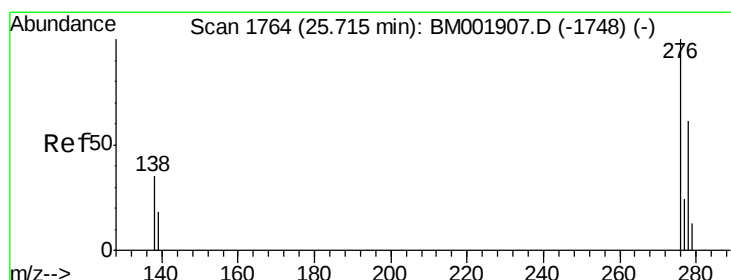
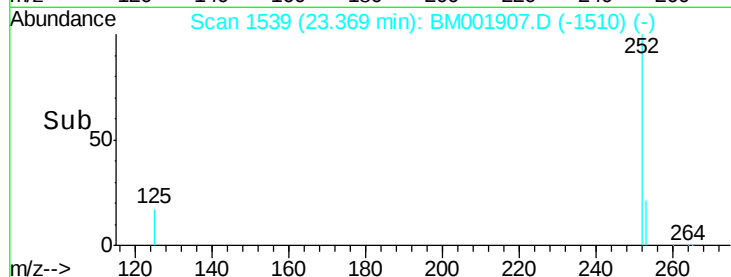
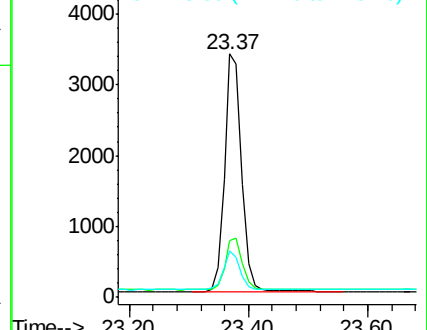
125 19.3 15.4 23.2



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: 0.42 ng/ul

RT: 25.71 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM001907.D

Acq: 13 Jul 2015 21:34

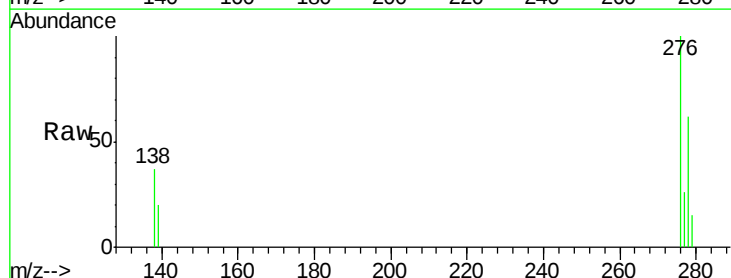
Tgt Ion: 276 Resp: 7298

Ion Ratio Lower Upper

276 100

138 35.6 28.5 42.7

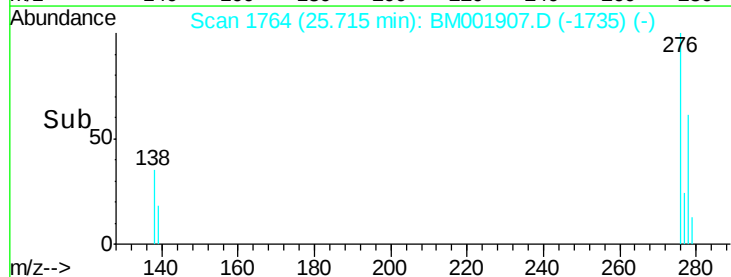
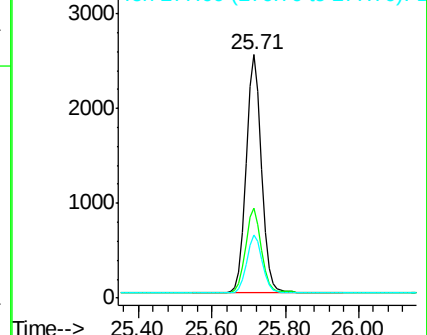
277 24.5 19.6 29.4

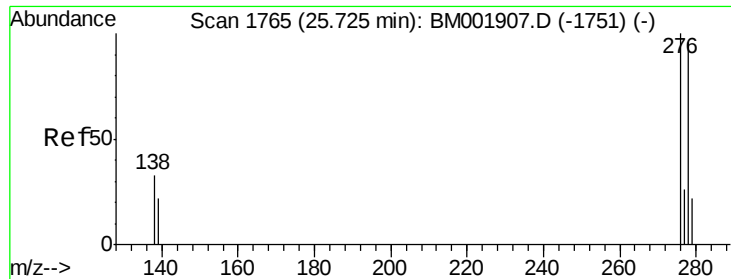


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

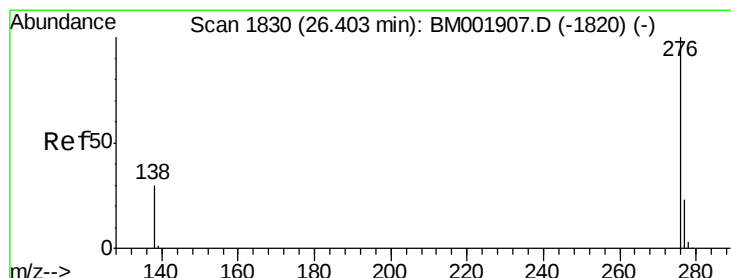
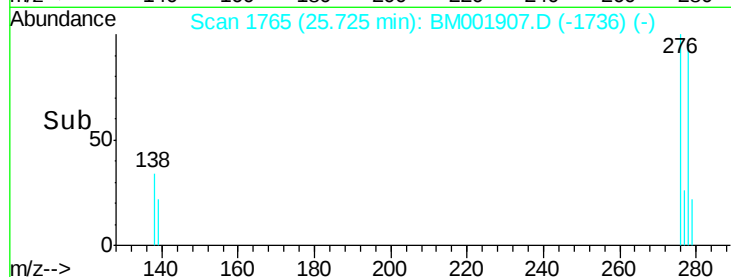
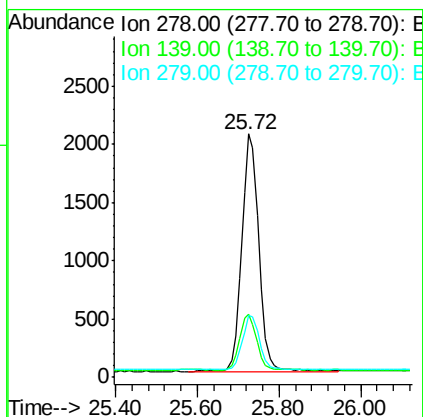
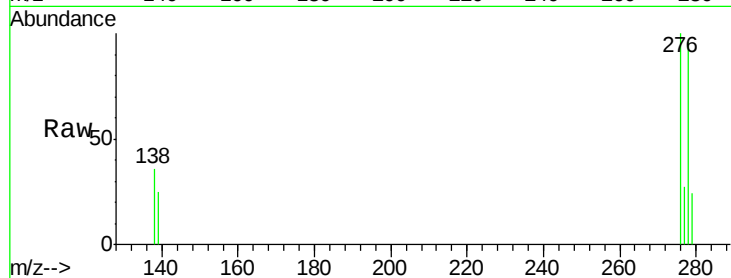




#25
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul
RT: 25.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BM001907.D
Acq: 13 Jul 2015 21:34

Instrument :
BNA_M
ClientSampleId :
SSTD0.444

Tgt Ion:278 Resp: 5852
Ion Ratio Lower Upper
278 100
139 25.8 20.6 31.0
279 25.4 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 26.40 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BM001907.D
Acq: 13 Jul 2015 21:34

Tgt Ion:276 Resp: 6254
Ion Ratio Lower Upper
276 100
277 25.1 20.1 30.1
138 31.9 25.5 38.3

