

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071415\
 Data File : BM001905.D
 Acq On : 13 Jul 2015 20:21
 Operator : TP/UM
 Sample : SSTD0.142
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.142

Quant Time: Jul 14 04:20:36 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	1161	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	4378	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	2283	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5115	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4339	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	4077	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	686	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	1346	0.12	ng/ul	0.00

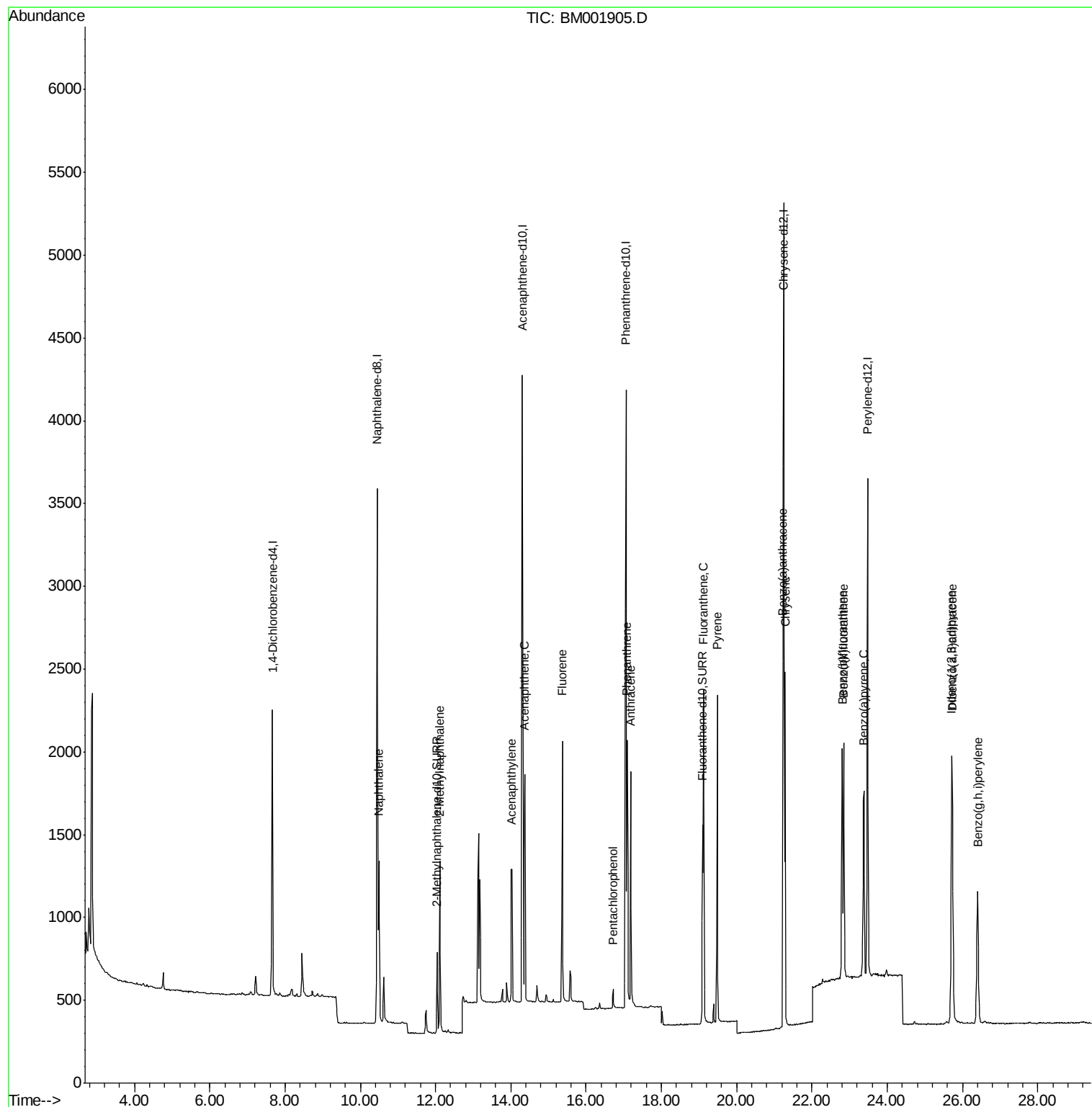
Target Compounds				Qvalue		
3) Naphthalene	10.49	128	1350	0.11	ng/ul#	90
5) 2-Methylnaphthalene	12.12	142	891	0.12	ng/ul	100
7) Acenaphthylene	14.03	152	1344	0.12	ng/ul#	92
8) Acenaphthene	14.37	153	970	0.11	ng/ul	98
9) Fluorene	15.37	166	1089	0.11	ng/ul#	98
11) Pentachlorophenol	16.72	266	110	0.10	ng/ul	92
12) Phenanthrene	17.09	178	1819	0.11	ng/ul	94
13) Anthracene	17.18	178	1709	0.12	ng/ul#	92
15) Fluoranthene	19.12	202	1992	0.12	ng/ul	94
17) Pyrene	19.48	202	2071	0.12	ng/ul	95
18) Benzo(a)anthracene	21.23	228	1804	0.12	ng/ul	96
19) Chrysene	21.28	228	1840	0.12	ng/ul	97
21) Benzo(b)fluoranthene	22.81	252	1903	0.12	ng/ul	86
22) Benzo(k)fluoranthene	22.85	252	1685	0.11	ng/ul#	86
23) Benzo(a)pyrene	23.38	252	1722	0.12	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.71	276	1996	0.12	ng/ul	98
25) Dibenzo(a,h)anthracene	25.73	278	1584	0.12	ng/ul#	86
26) Benzo(g,h,i)perylene	26.40	276	1650	0.11	ng/ul#	89

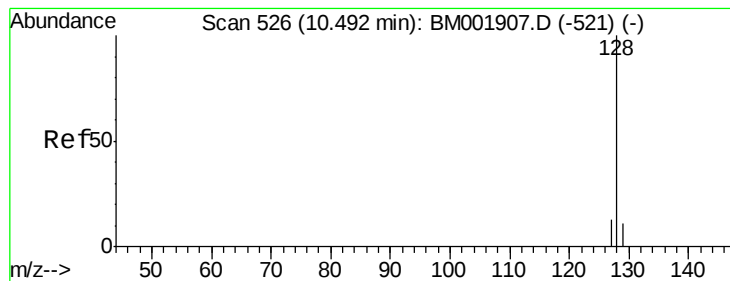
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.142

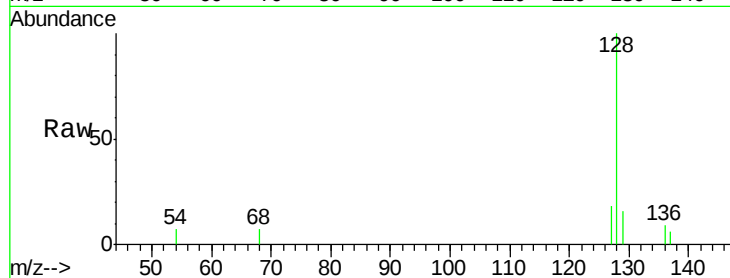
Tgt Ion:128 Resp: 1350

Ion Ratio Lower Upper

128 100

129 16.2 9.6 14.4#

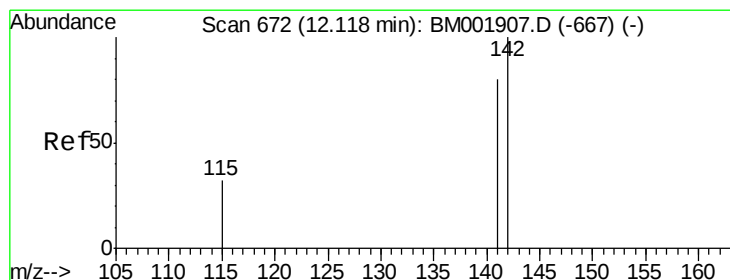
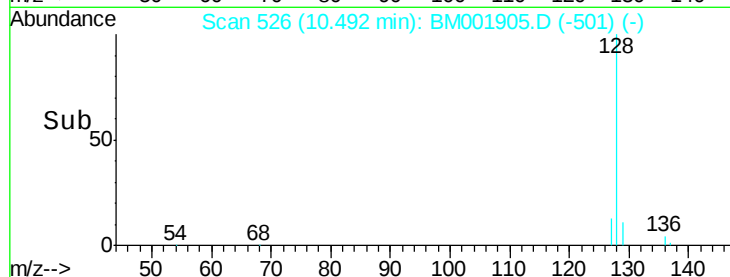
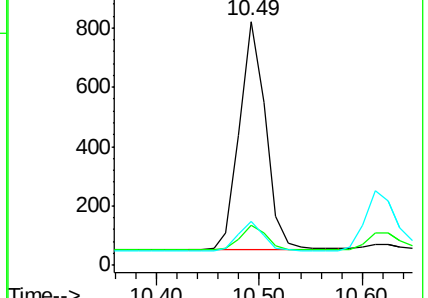
127 17.8 11.0 16.6#



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: 0.12 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM001905.D

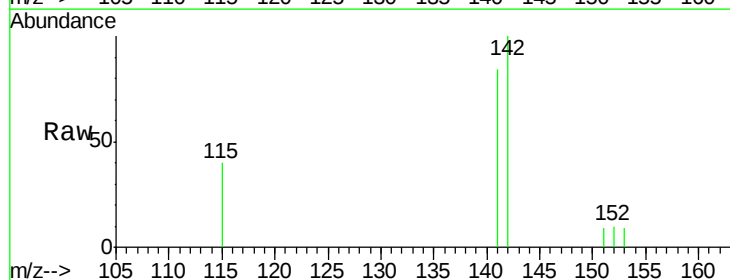
Acq: 13 Jul 2015 20:21

Tgt Ion:142 Resp: 891

Ion Ratio Lower Upper

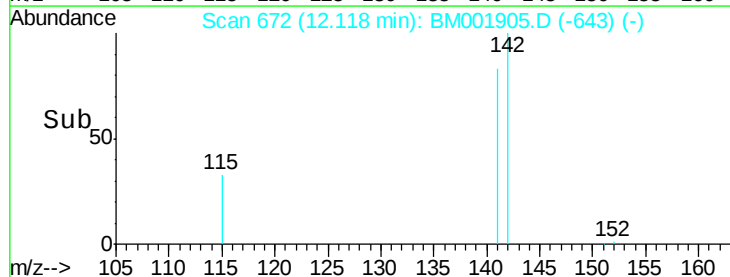
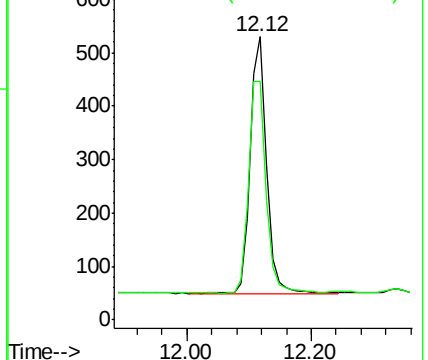
142 100

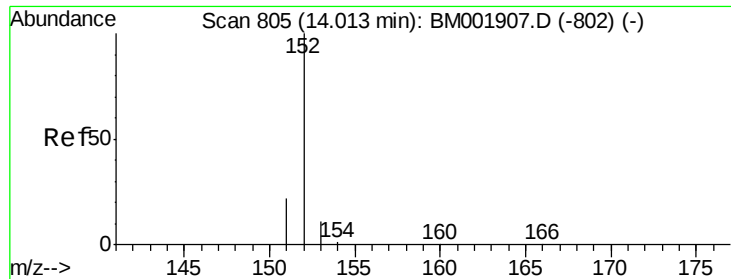
141 88.7 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.03 min Scan# 806

Delta R.T. 0.02 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

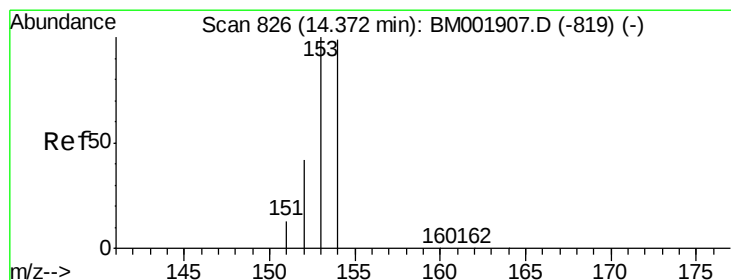
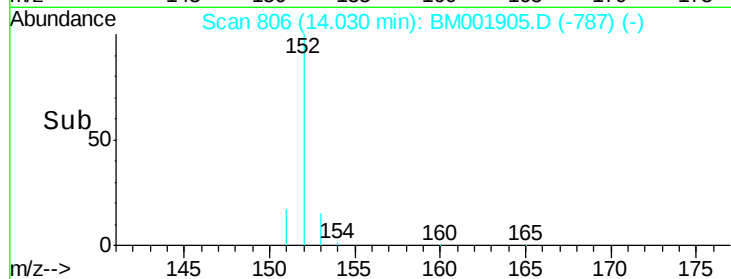
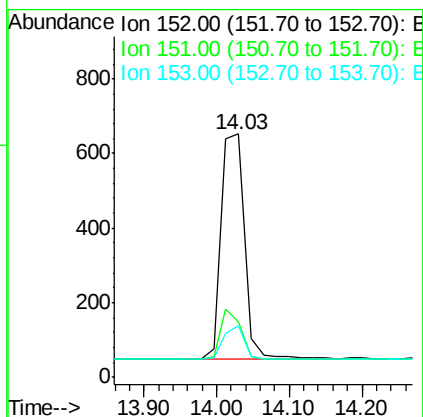
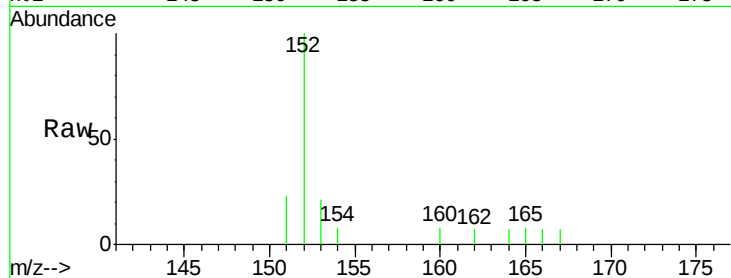
Instrument :

BNA_M

ClientSampleId :

SSTD0.142

Tgt Ion:	152	Resp:	1344
Ion	Ratio	Lower	Upper
152	100		
151	22.8	18.5	27.7
153	21.0	10.3	15.5#



#8

Acenaphthene

Concen: 0.11 ng/ul

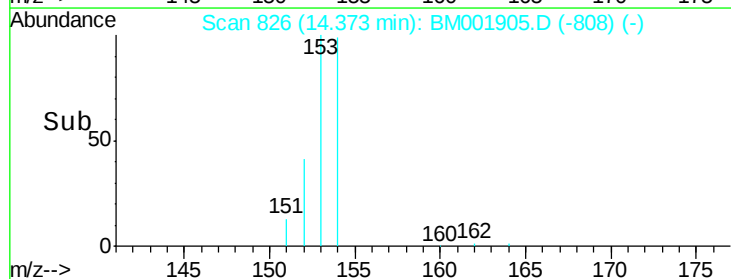
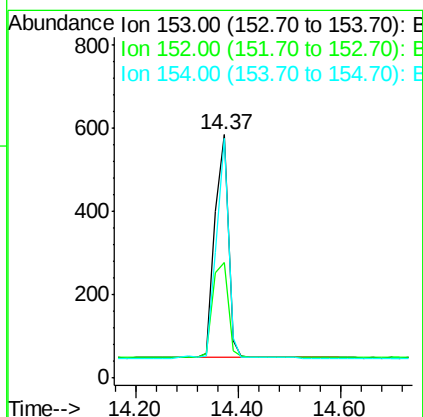
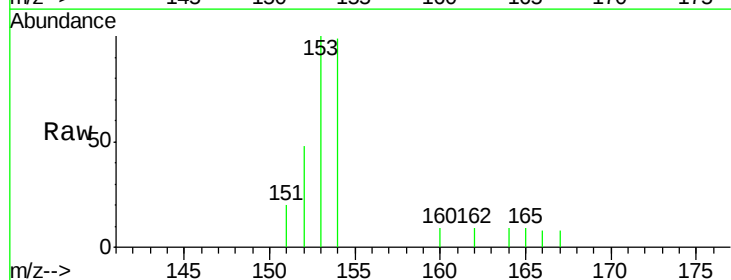
RT: 14.37 min Scan# 826

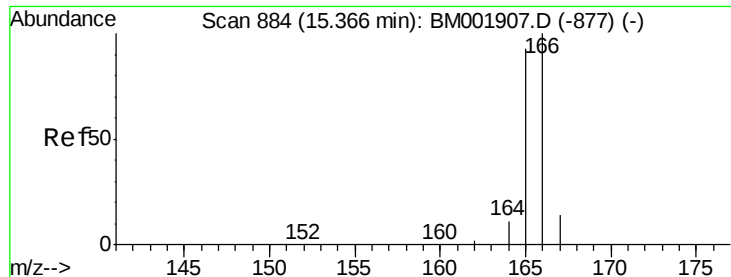
Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Tgt Ion:	153	Resp:	970
Ion	Ratio	Lower	Upper
153	100		
152	47.7	34.9	52.3
154	98.6	79.0	118.4





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.37 min Scan# 884

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.142

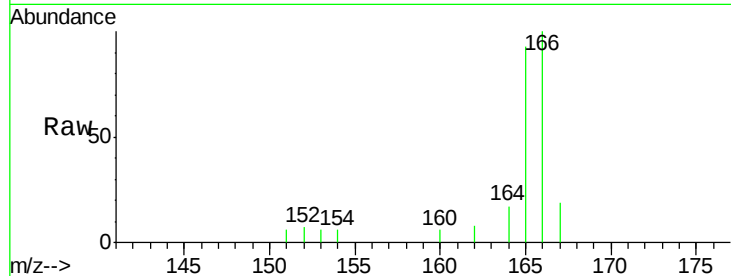
Tgt Ion:166 Resp: 1089

Ion Ratio Lower Upper

166 100

165 93.3 74.4 111.6

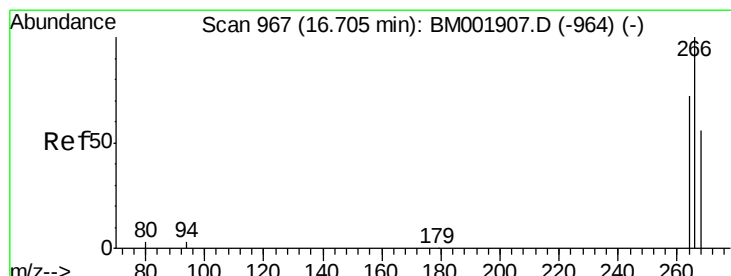
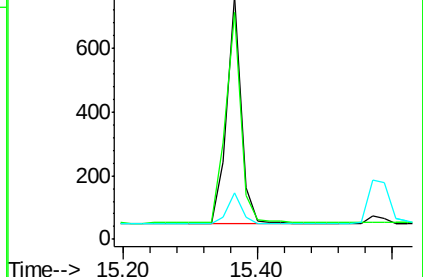
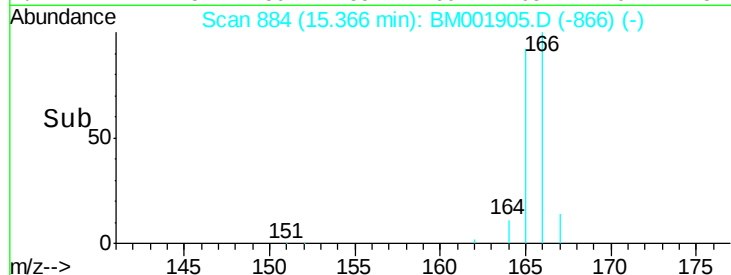
167 19.2 12.0 18.0#



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



#11

Pentachlorophenol

Concen: 0.10 ng/ul

RT: 16.72 min Scan# 968

Delta R.T. 0.02 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

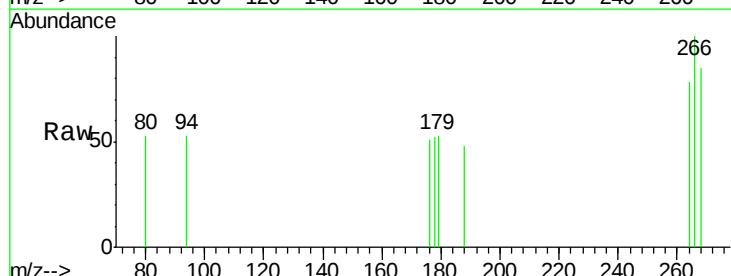
Tgt Ion:266 Resp: 110

Ion Ratio Lower Upper

266 100

264 60.9 49.9 74.9

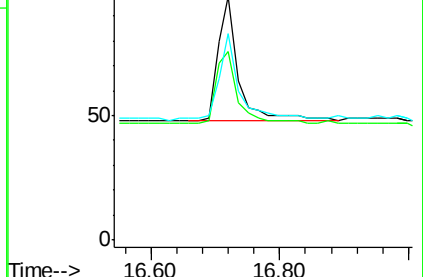
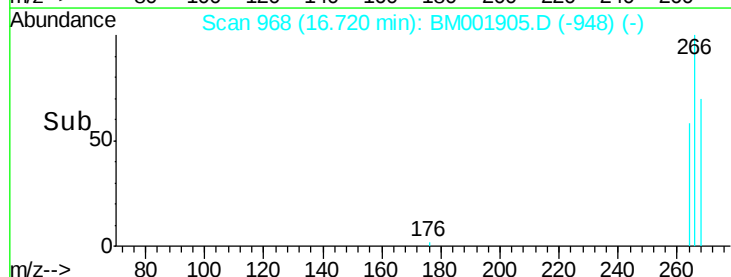
268 75.5 52.1 78.1

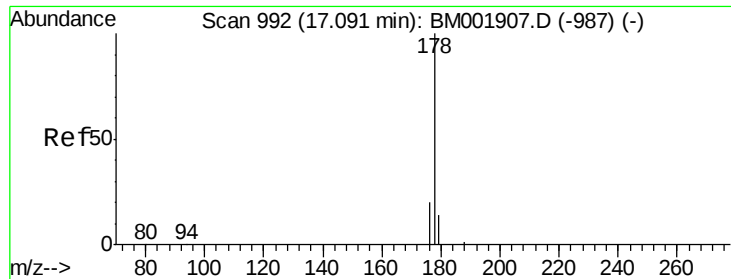


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

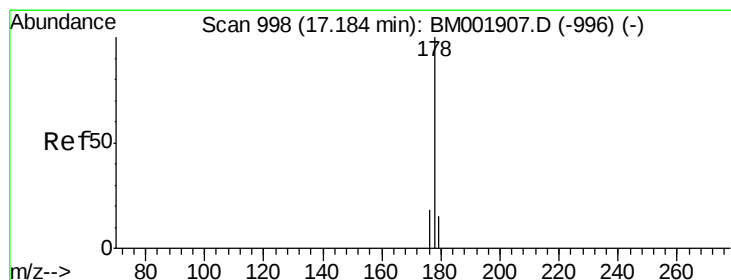
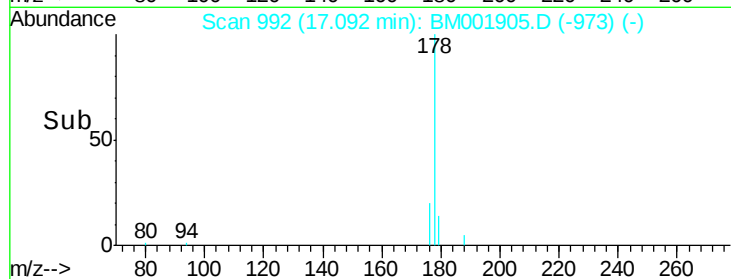
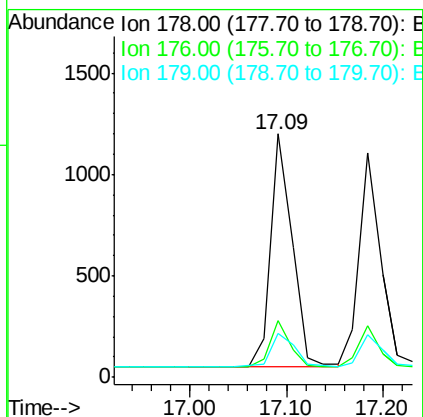
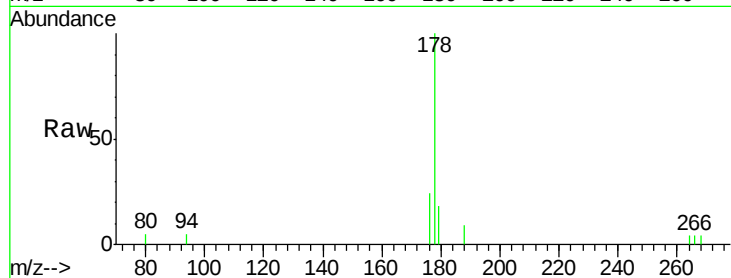




#12
Phenanthrene
Concen: 0.11 ng/ul
RT: 17.09 min Scan# 992
Delta R.T. 0.00 min
Lab File: BM001905.D
Acq: 13 Jul 2015 20:21

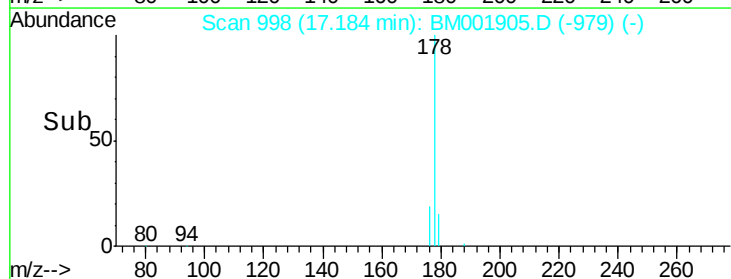
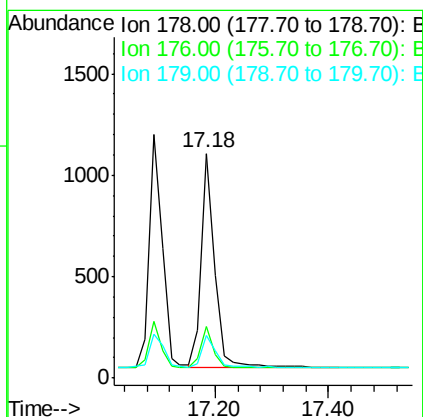
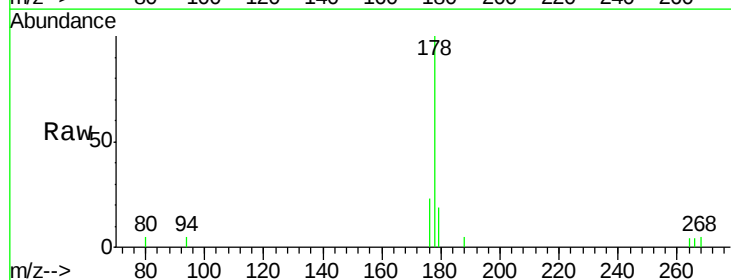
Instrument :
BNA_M
ClientSampleId :
SSTD0.142

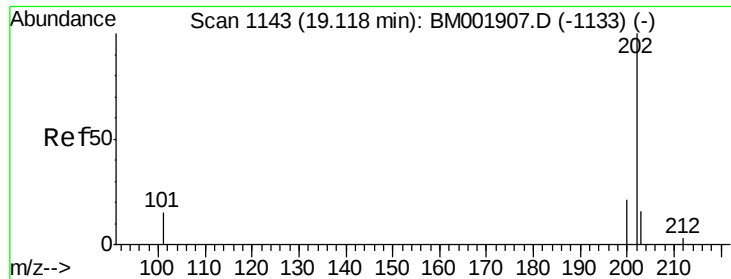
Tgt Ion:178 Resp: 1819
Ion Ratio Lower Upper
178 100
176 23.5 16.6 25.0
179 18.2 12.2 18.2



#13
Anthracene
Concen: 0.12 ng/ul
RT: 17.18 min Scan# 998
Delta R.T. 0.00 min
Lab File: BM001905.D
Acq: 13 Jul 2015 20:21

Tgt Ion:178 Resp: 1709
Ion Ratio Lower Upper
178 100
176 22.8 15.4 23.2
179 19.2 12.6 18.8#





#15

Fluoranthene

Concen: 0.12 ng/ul

RT: 19.12 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.142

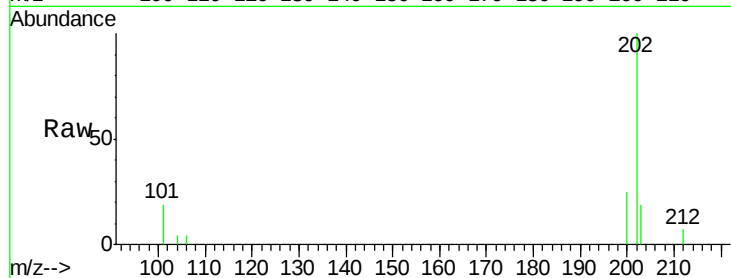
Tgt Ion:202 Resp: 1992

Ion Ratio Lower Upper

202 100

101 18.8 0.0 35.3

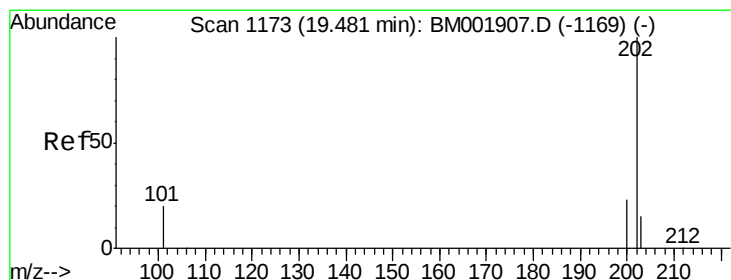
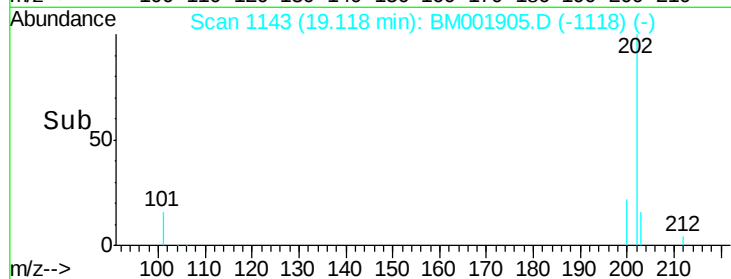
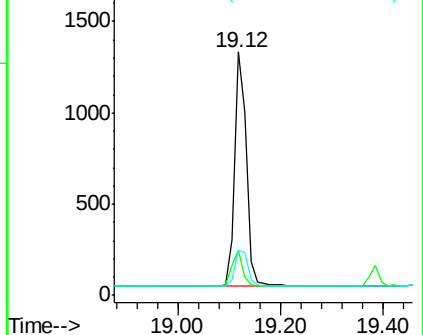
203 18.8 0.0 36.8



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



#17

Pyrene

Concen: 0.12 ng/ul

RT: 19.48 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

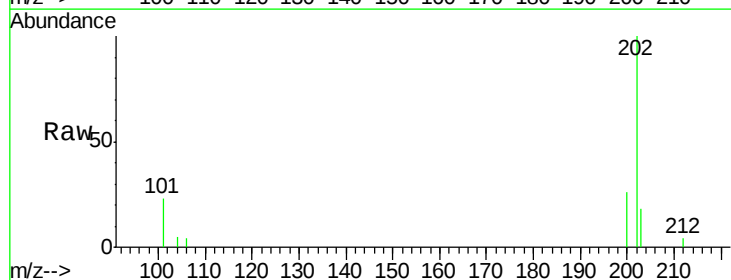
Tgt Ion:202 Resp: 2071

Ion Ratio Lower Upper

202 100

200 25.7 18.7 28.1

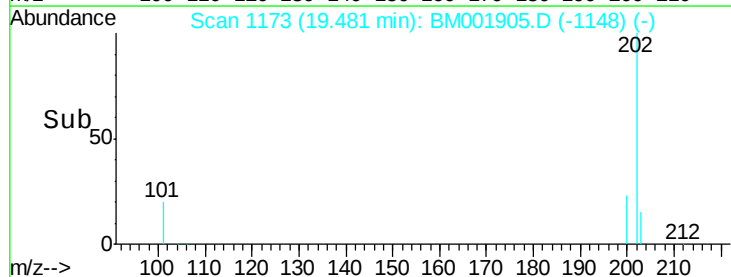
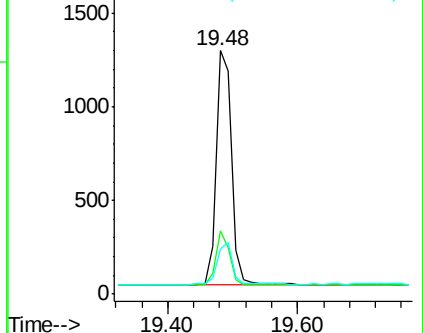
203 18.4 13.0 19.4

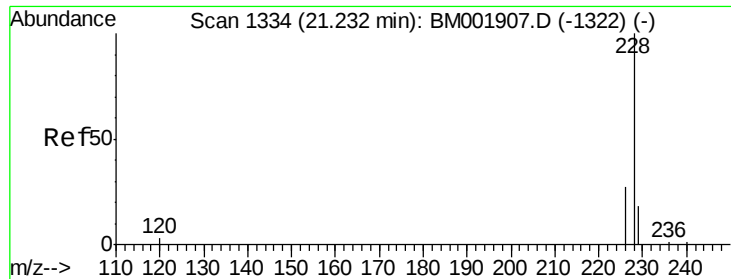


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.23 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.142

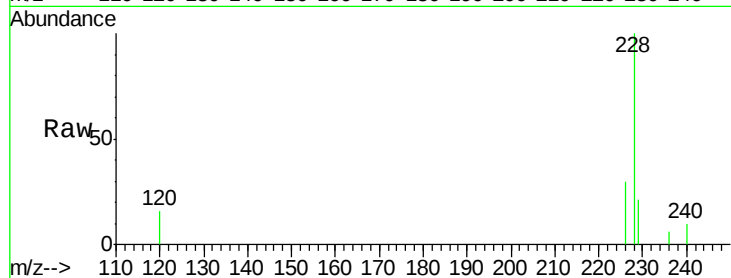
Tgt Ion:228 Resp: 1804

Ion Ratio Lower Upper

228 100

226 29.7 22.3 33.5

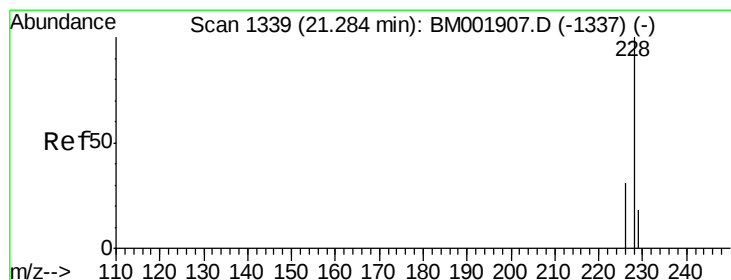
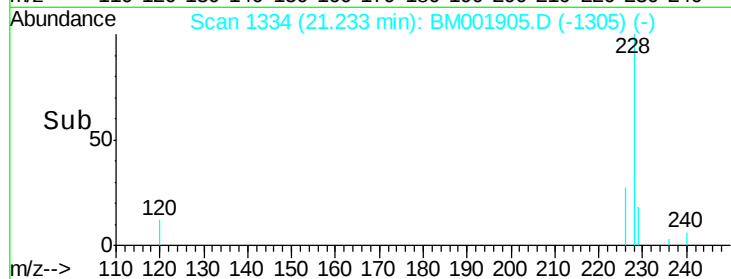
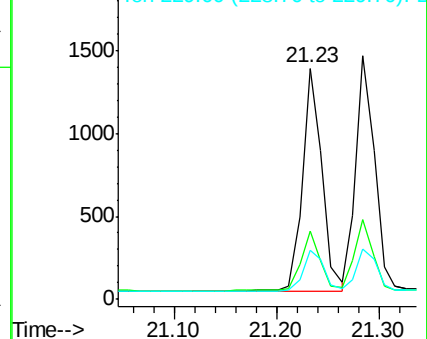
229 21.2 15.2 22.8



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: 0.12 ng/ul

RT: 21.28 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

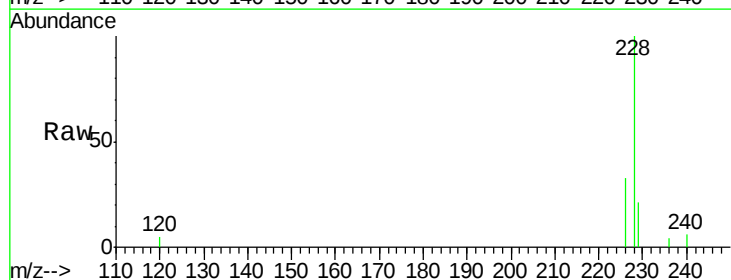
Tgt Ion:228 Resp: 1840

Ion Ratio Lower Upper

228 100

226 32.9 25.7 38.5

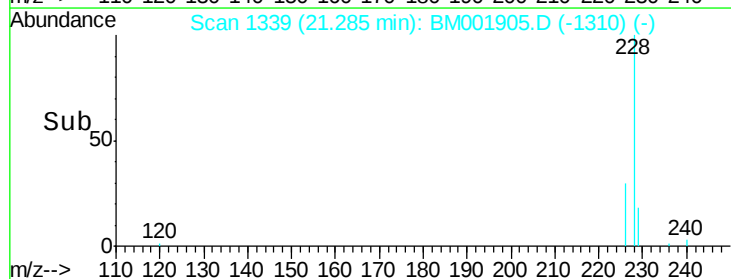
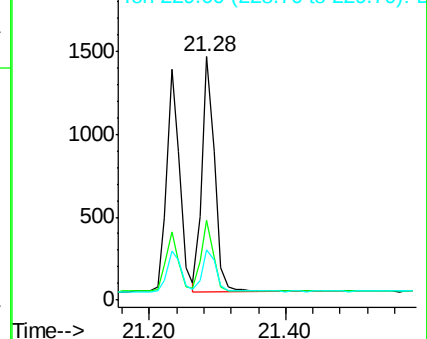
229 20.8 14.8 22.2

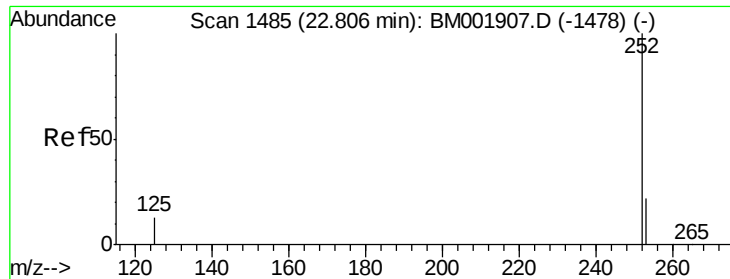


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.12 ng/u1

RT: 22.81 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.142

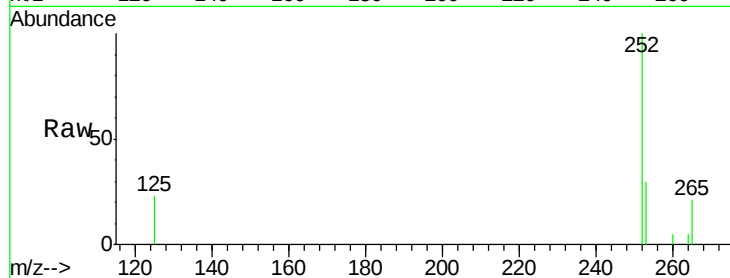
Tgt Ion:252 Resp: 1903

Ion Ratio Lower Upper

252 100

253 30.1 0.0 49.0

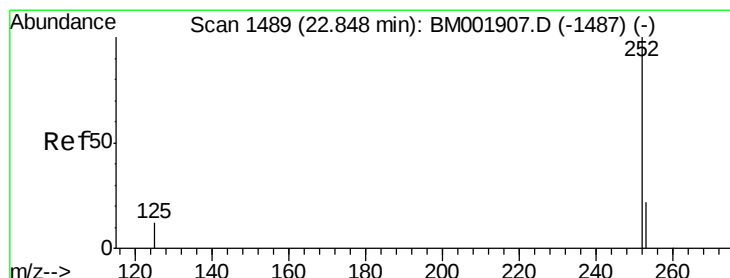
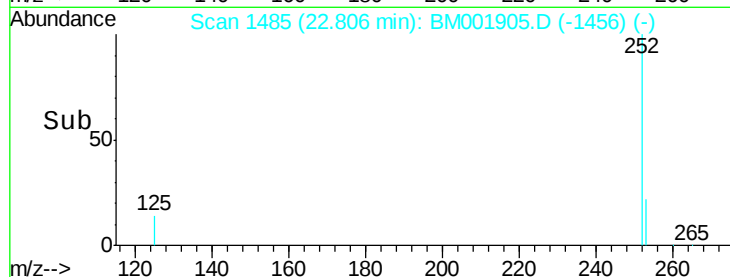
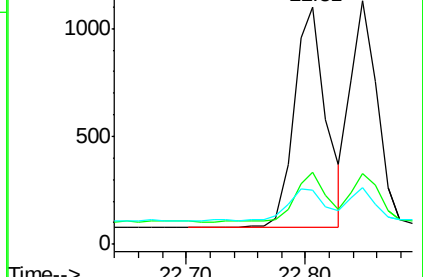
125 22.8 0.0 31.0



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: 0.11 ng/u1

RT: 22.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

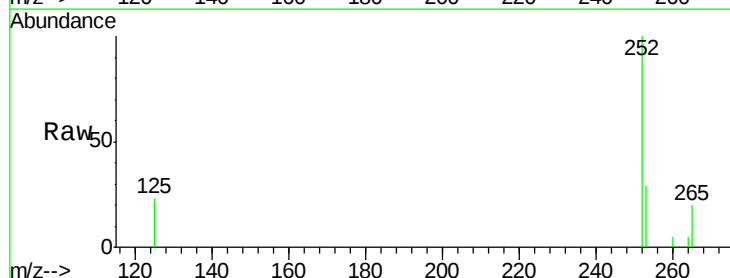
Tgt Ion:252 Resp: 1685

Ion Ratio Lower Upper

252 100

253 29.3 18.7 28.1#

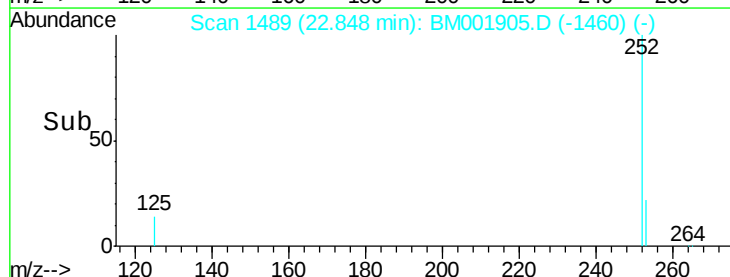
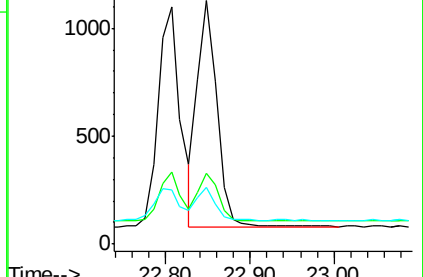
125 23.0 12.5 18.7#

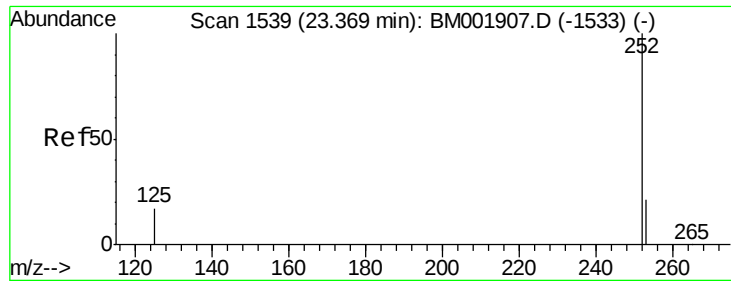


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.38 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.142

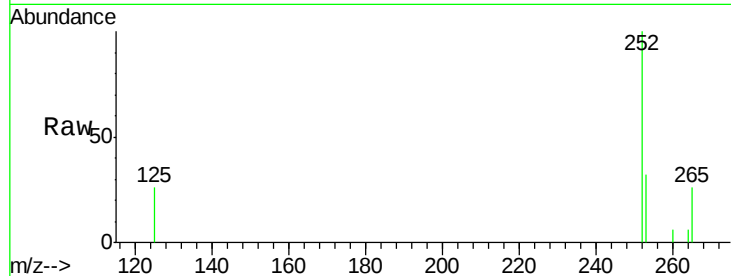
Tgt Ion: 252 Resp: 1722

Ion Ratio Lower Upper

252 100

253 32.2 18.6 27.8#

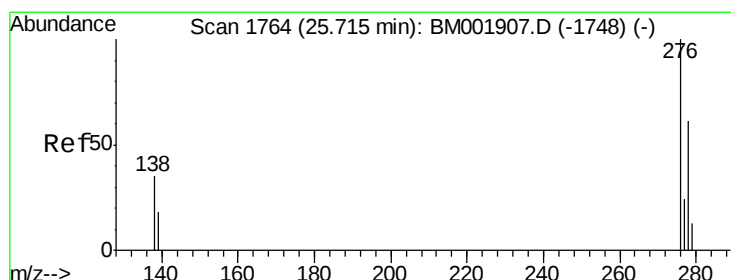
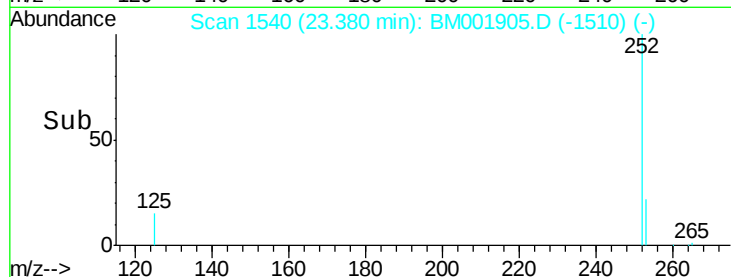
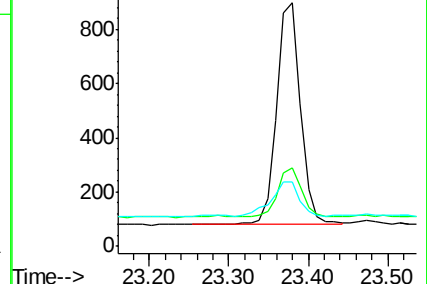
125 26.2 15.4 23.2#



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: 0.12 ng/ul

RT: 25.71 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

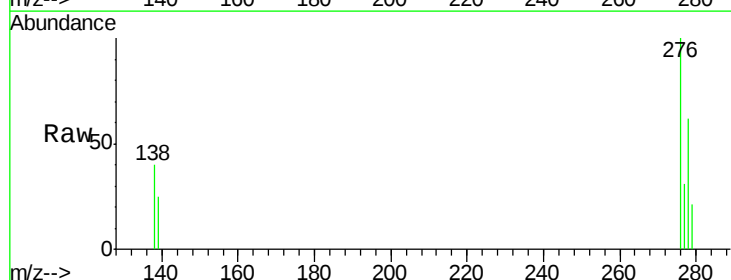
Tgt Ion: 276 Resp: 1996

Ion Ratio Lower Upper

276 100

138 34.0 28.5 42.7

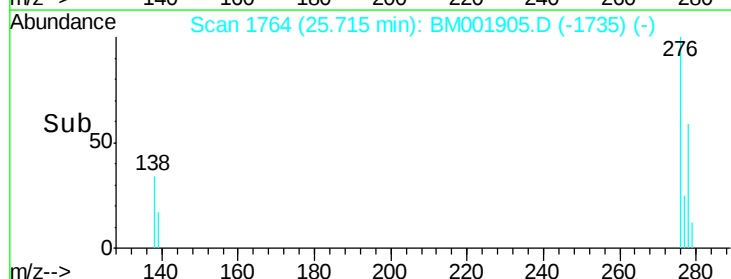
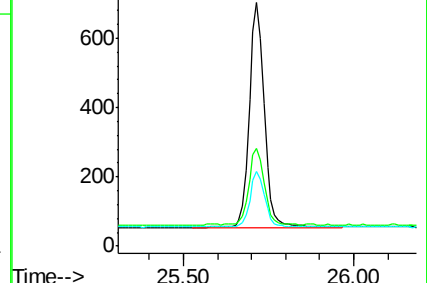
277 23.6 19.6 29.4

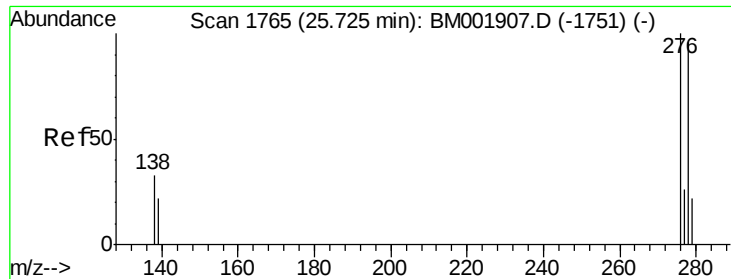


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.12 ng/ul

RT: 25.73 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.142

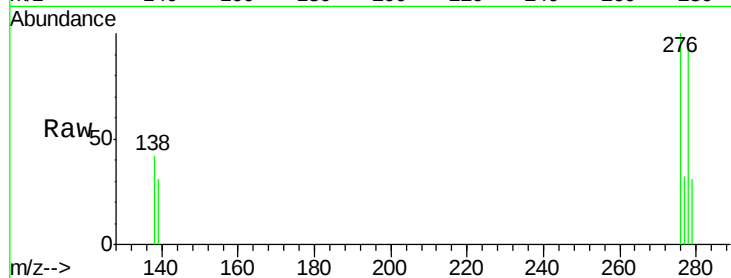
Tgt Ion: 278 Resp: 1584

Ion Ratio Lower Upper

278 100

139 33.2 20.6 31.0#

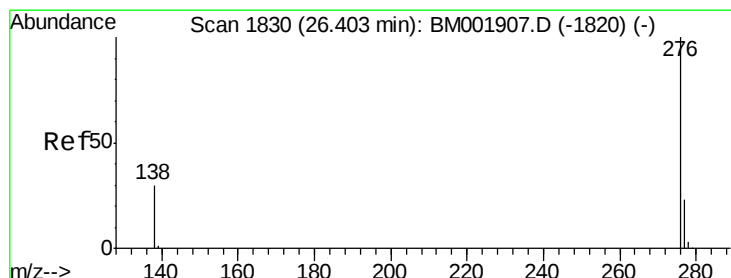
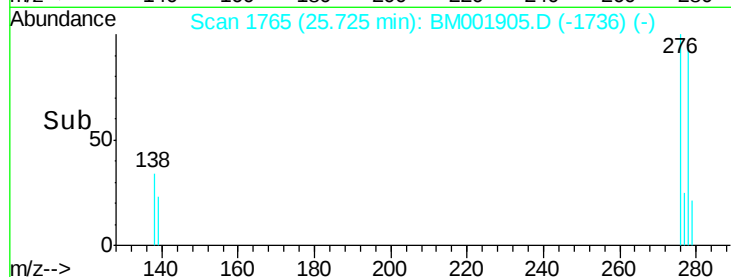
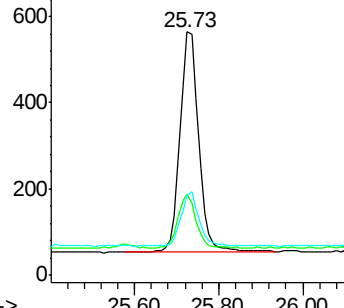
279 32.6 20.3 30.5#



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: 0.11 ng/ul

RT: 26.40 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BM001905.D

Acq: 13 Jul 2015 20:21

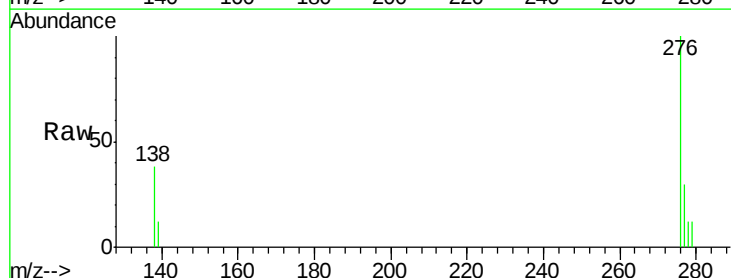
Tgt Ion: 276 Resp: 1650

Ion Ratio Lower Upper

276 100

277 30.4 20.1 30.1#

138 38.3 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

