

Data Path : Z:\HPCHEM1\BNA_M\Data\BM071415\
 Data File : BM001915.D
 Acq On : 14 Jul 2015 14:15
 Operator : TP/UM
 Sample : G2928-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1Y23

Quant Time: Jul 14 18:34:08 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 04:27:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1152	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	4570	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	2357	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5133	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4428	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	3980	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	2140	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	6142	0.44	ng/ul	0.00

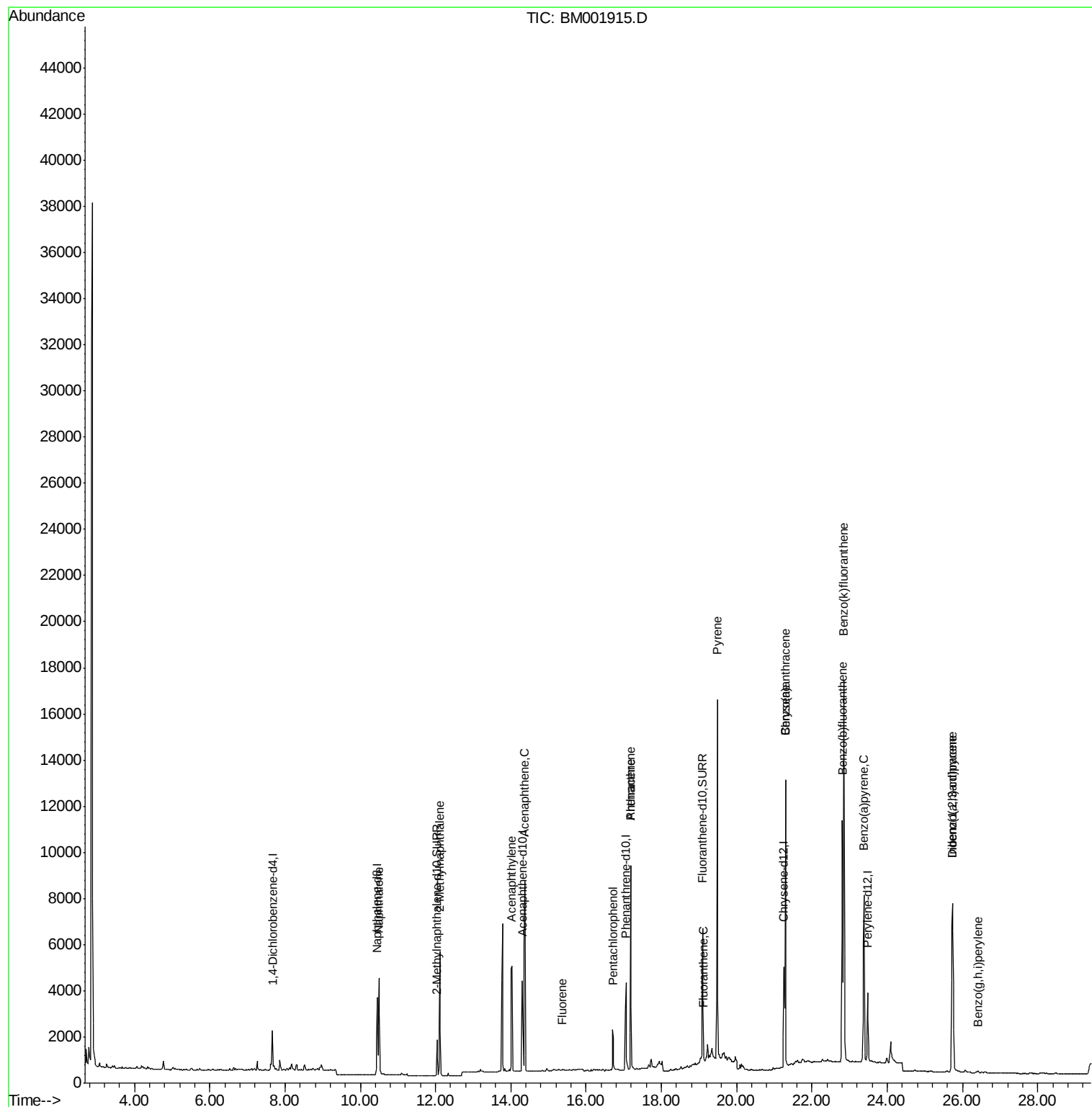
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	5805	0.42	ng/ul	99
5) 2-Methylnaphthalene	12.12	142	4306	0.47	ng/ul	100
7) Acenaphthylene	14.03	152	7537	0.54	ng/ul#	90
8) Acenaphthene	14.37	153	5929	0.60	ng/ul	99
9) Fluorene	15.37	166	36	0.00	ng/ul#	60
11) Pentachlorophenol	16.70	266	1560	1.15	ng/ul	98
12) Phenanthrene	17.18	178	9550	0.53	ng/ul	98
13) Anthracene	17.18	178	9603	0.56	ng/ul	100
15) Fluoranthene	19.12	202	169	0.01	ng/ul#	1
17) Pyrene	19.49	202	17112	0.85	ng/ul#	90
18) Benzo(a)anthracene	21.30	228	11900	0.69	ng/ul	95
19) Chrysene	21.30	228	11900	0.69	ng/ul	91
21) Benzo(b)fluoranthene	22.81	252	13127	0.72	ng/ul	94
22) Benzo(k)fluoranthene	22.85	252	20116	1.33	ng/ul	94
23) Benzo(a)pyrene	23.38	252	10067	0.64	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.74	276	2578	0.15	ng/ul#	55
25) Dibenzo(a,h)anthracene	25.74	278	10485	0.78	ng/ul	98
26) Benzo(g,h,i)perylene	26.41	276	160	0.01	ng/ul#	1

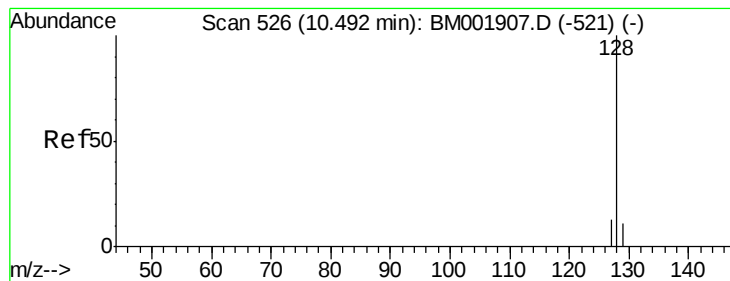
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.42 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

Instrument :

BNA_M

ClientSampleId :

X1Y23

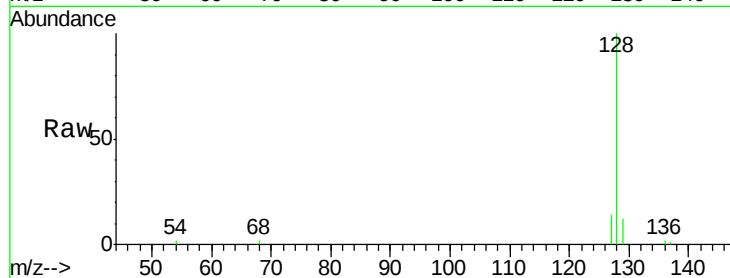
Tgt Ion:128 Resp: 5805

Ion Ratio Lower Upper

128 100

129 11.8 9.6 14.4

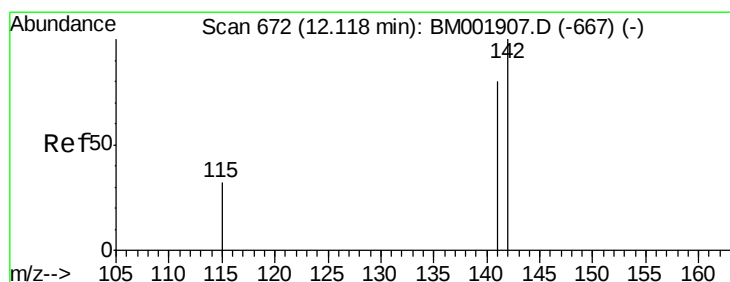
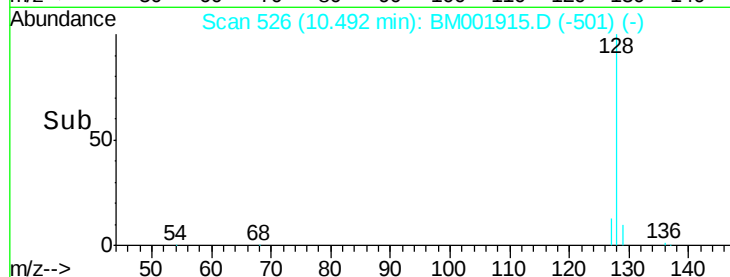
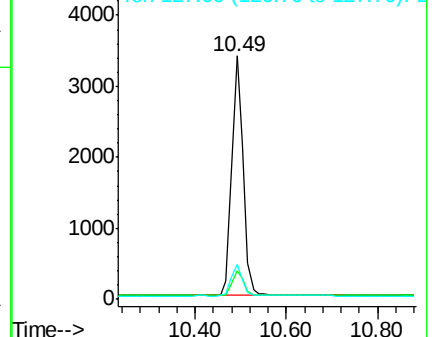
127 14.1 11.0 16.6



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: 0.47 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM001915.D

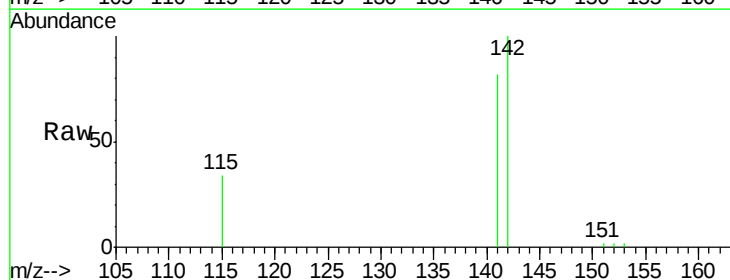
Acq: 14 Jul 2015 14:15

Tgt Ion:142 Resp: 4306

Ion Ratio Lower Upper

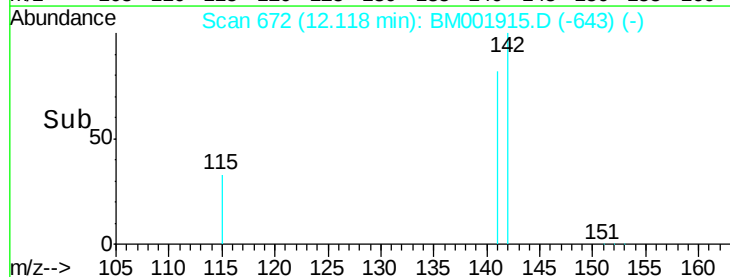
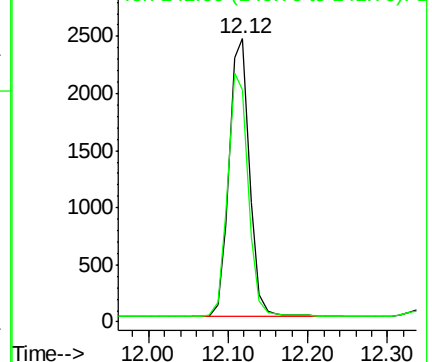
142 100

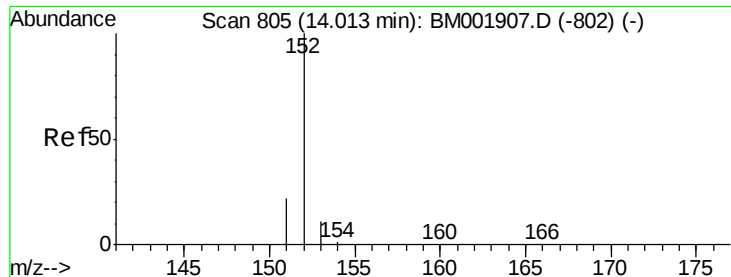
141 88.3 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.54 ng/ul

RT: 14.03 min Scan# 806

Delta R.T. 0.02 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

Instrument :

BNA_M

ClientSampleId :

X1Y23

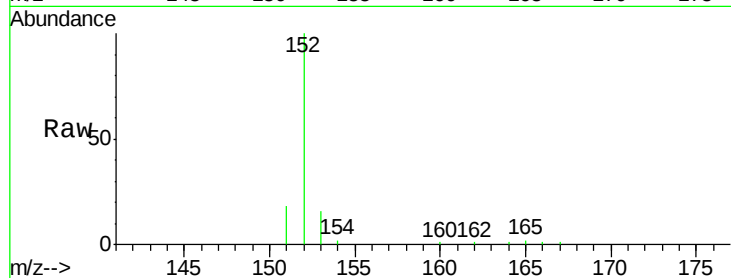
Tgt Ion:152 Resp: 7537

Ion Ratio Lower Upper

152 100

151 17.6 18.5 27.7#

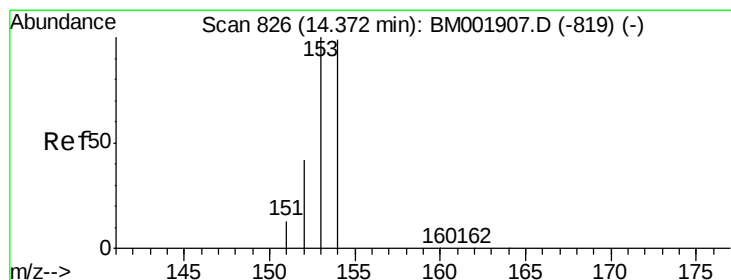
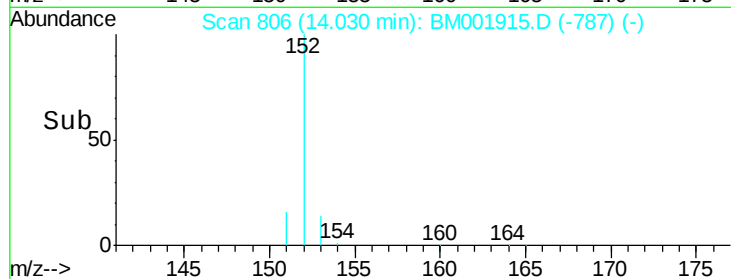
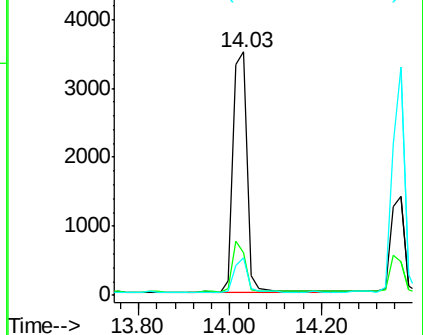
153 15.5 10.3 15.5#



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: 0.60 ng/ul

RT: 14.37 min Scan# 826

Delta R.T. 0.00 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

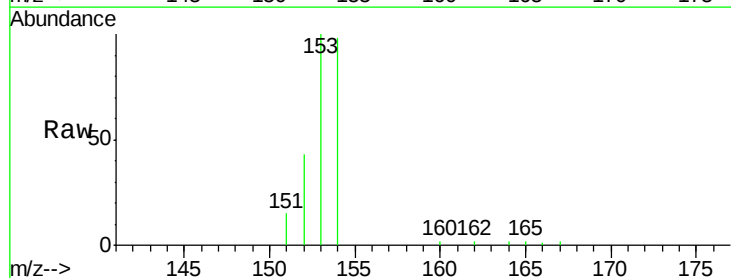
Tgt Ion:153 Resp: 5929

Ion Ratio Lower Upper

153 100

152 43.4 34.9 52.3

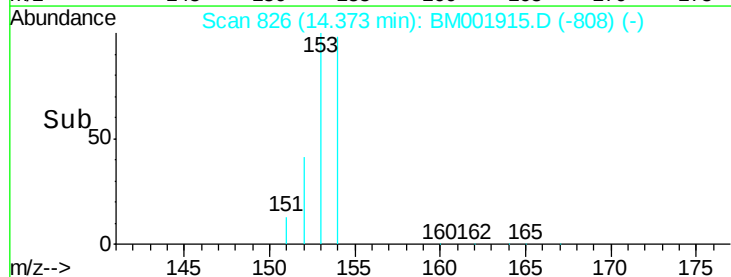
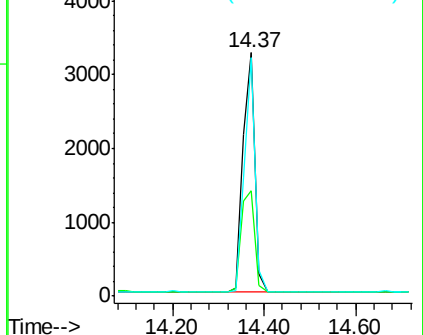
154 97.9 79.0 118.4

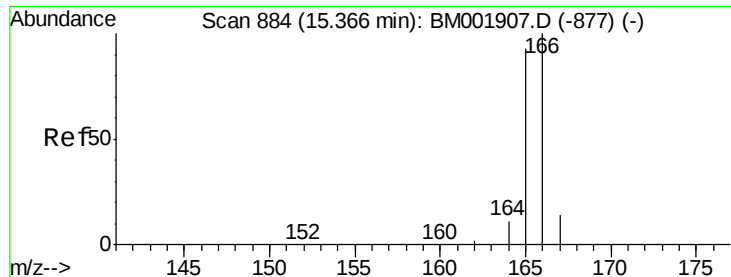


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

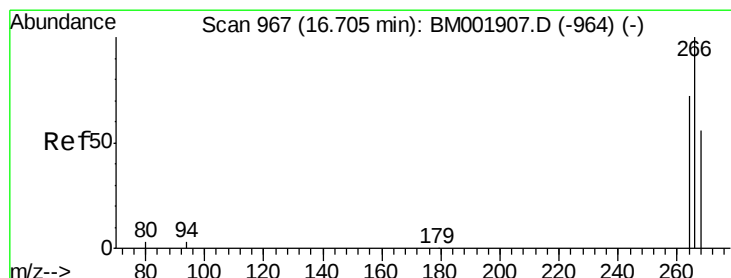
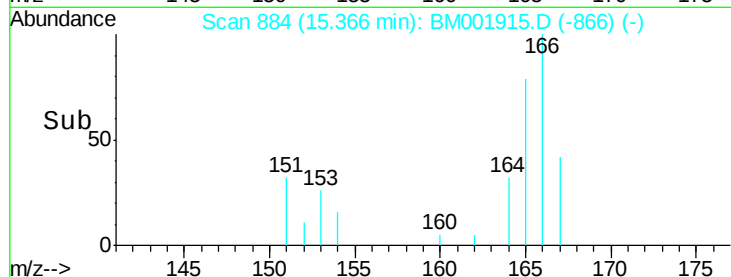
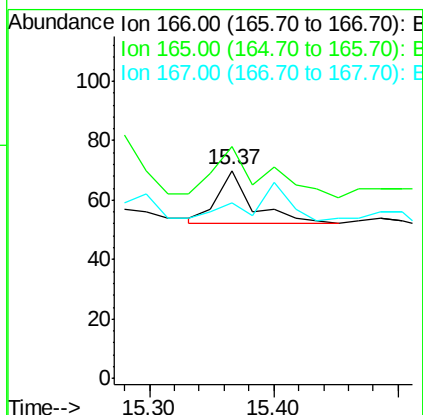
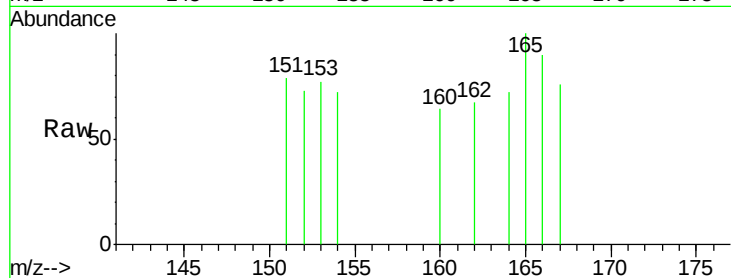




#9
Fluorene
 Concen: 0.00 ng/ul
 RT: 15.37 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BM001915.D
 Acq: 14 Jul 2015 14:15

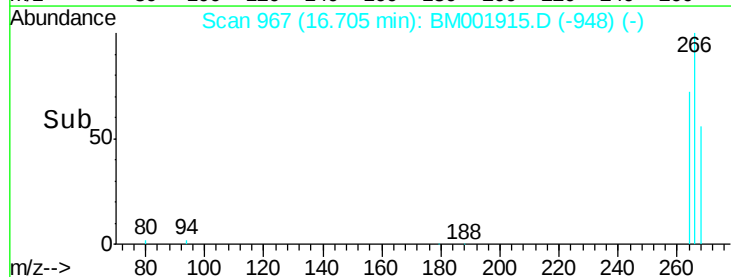
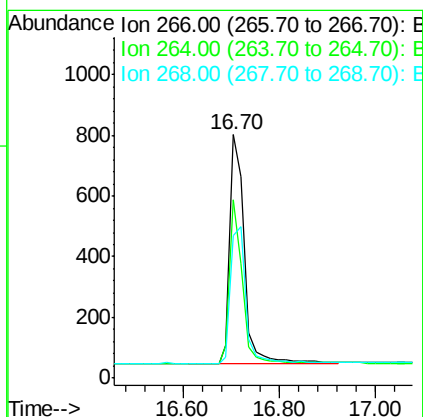
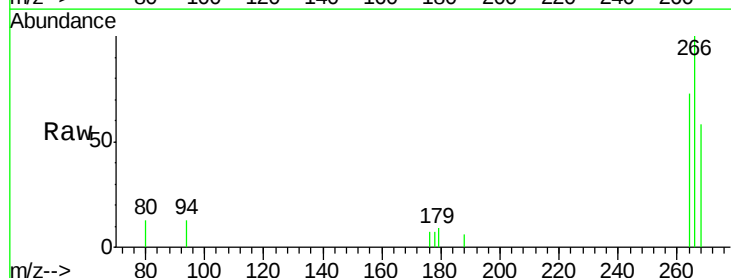
Instrument :
 BNA_M
 ClientSampleId :
 X1Y23

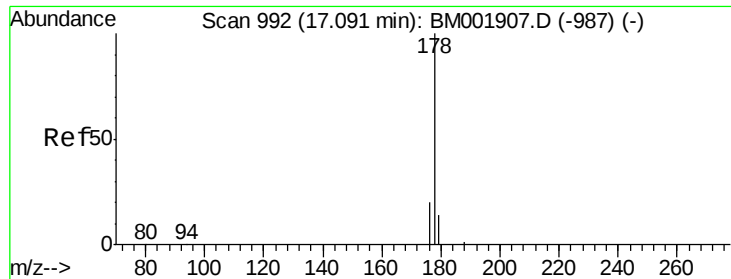
Tgt Ion:166 Resp: 36
 Ion Ratio Lower Upper
 166 100
 165 111.4 74.4 111.6
 167 84.3 12.0 18.0#



#11
Pentachlorophenol
 Concen: 1.15 ng/ul
 RT: 16.70 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BM001915.D
 Acq: 14 Jul 2015 14:15

Tgt Ion:266 Resp: 1560
 Ion Ratio Lower Upper
 266 100
 264 64.2 49.9 74.9
 268 64.4 52.1 78.1





#12

Phenanthrene

Concen: 0.53 ng/ul

RT: 17.18 min Scan# 998

Delta R.T. 0.09 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

Instrument :

BNA_M

ClientSampleId :

X1Y23

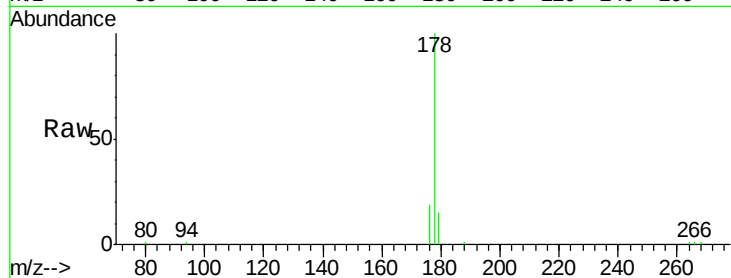
Tgt Ion:178 Resp: 9550

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

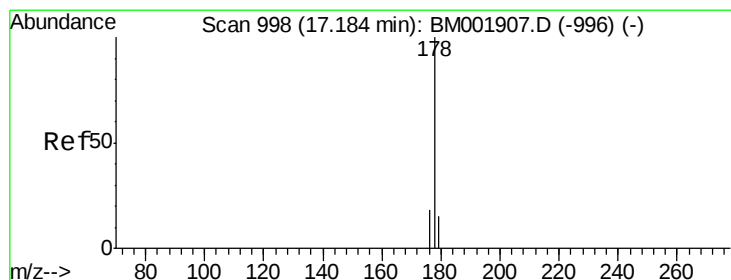
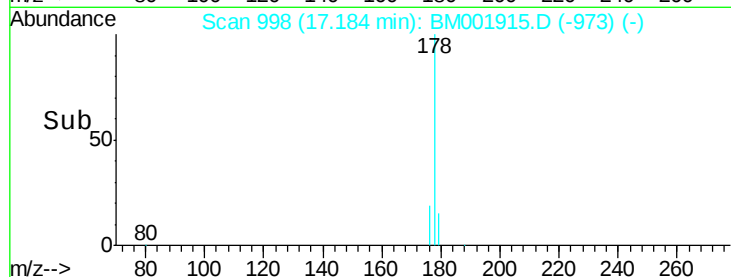
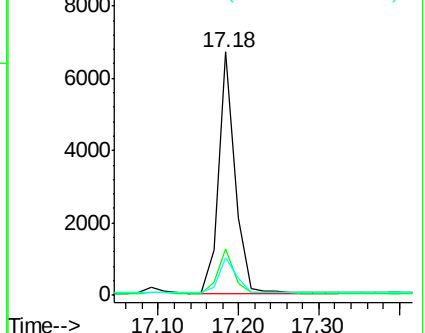
179 15.4 12.2 18.2



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: 0.56 ng/ul

RT: 17.18 min Scan# 998

Delta R.T. 0.00 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

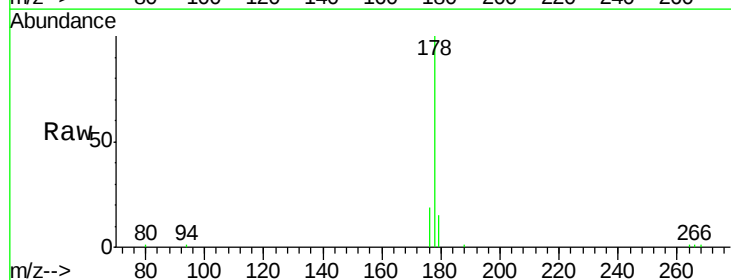
Tgt Ion:178 Resp: 9603

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

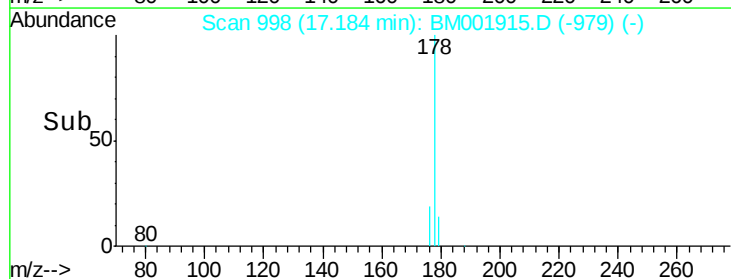
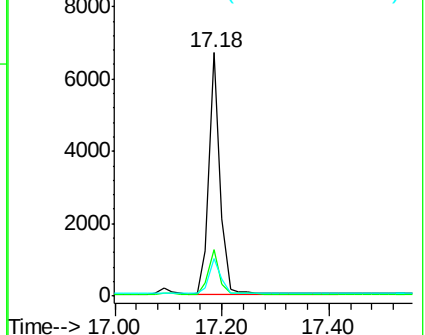
179 15.4 12.6 18.8

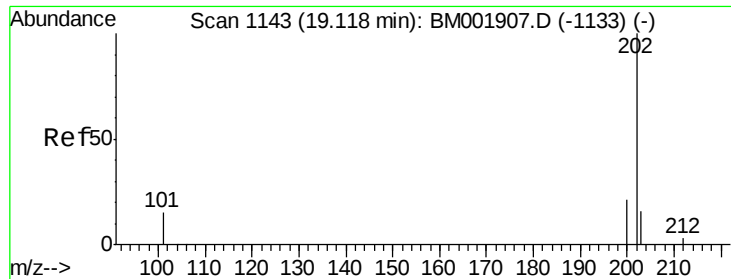


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.12 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

Instrument :

BNA_M

ClientSampleId :

X1Y23

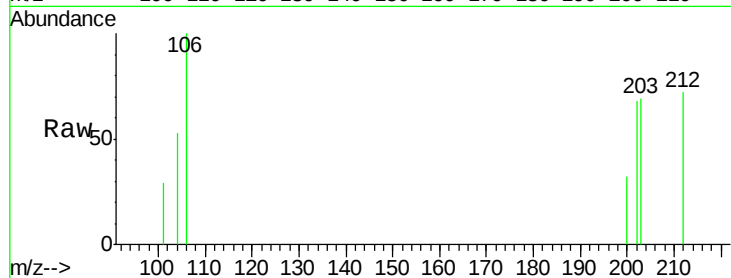
Tgt Ion:202 Resp: 169

Ion Ratio Lower Upper

202 100

101 42.9 0.0 35.3#

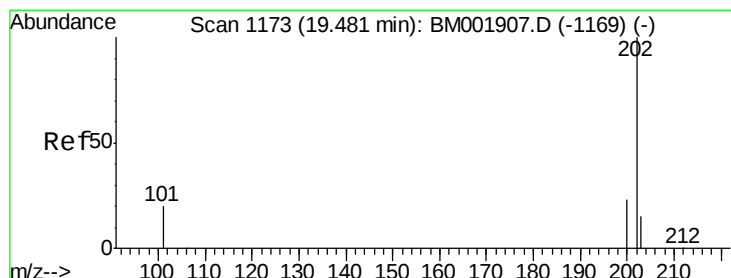
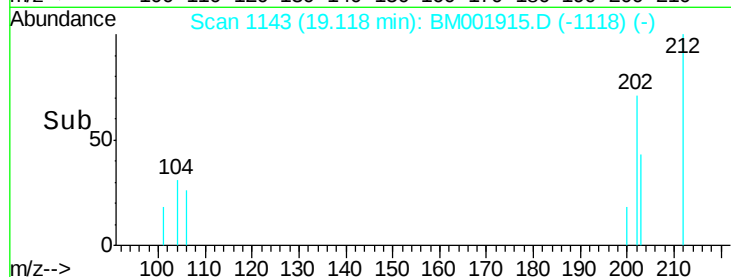
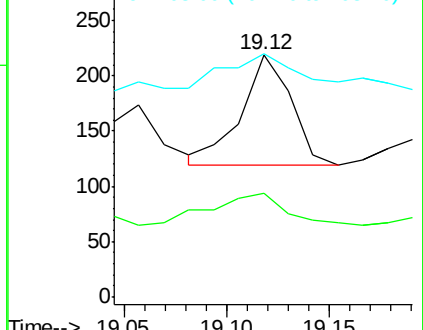
203 100.5 0.0 36.8#



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: 0.85 ng/ul

RT: 19.49 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

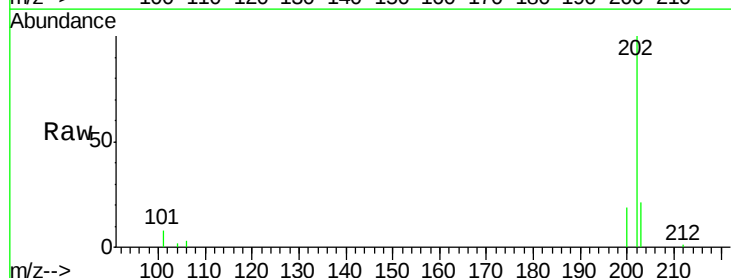
Tgt Ion:202 Resp: 17112

Ion Ratio Lower Upper

202 100

200 18.7 18.7 28.1#

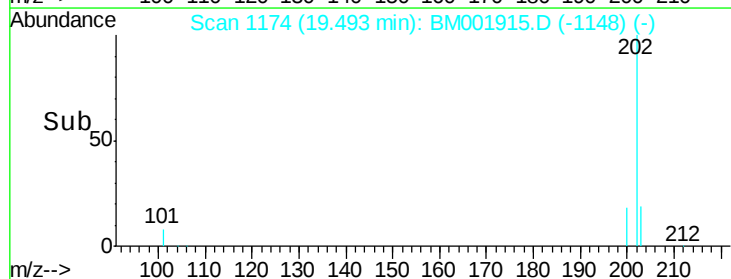
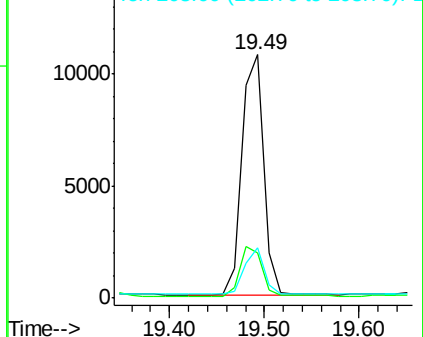
203 20.5 13.0 19.4#

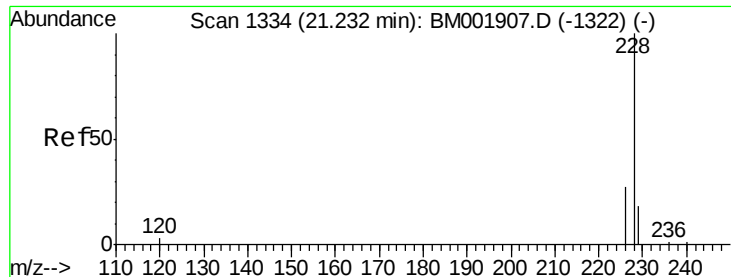


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.69 ng/ul

RT: 21.30 min Scan# 1340

Delta R.T. 0.06 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

Instrument :

BNA_M

ClientSampleId :

X1Y23

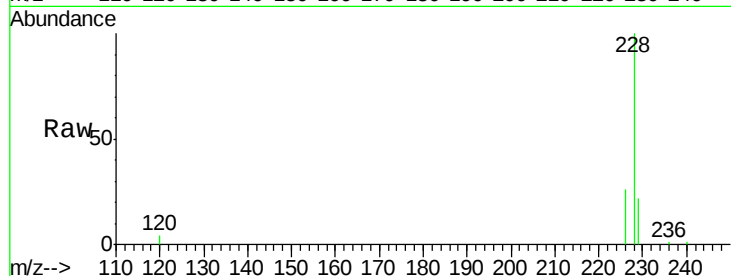
Tgt Ion:228 Resp: 11900

Ion Ratio Lower Upper

228 100

226 26.4 22.3 33.5

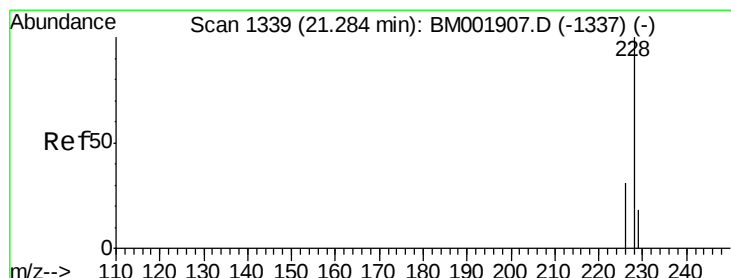
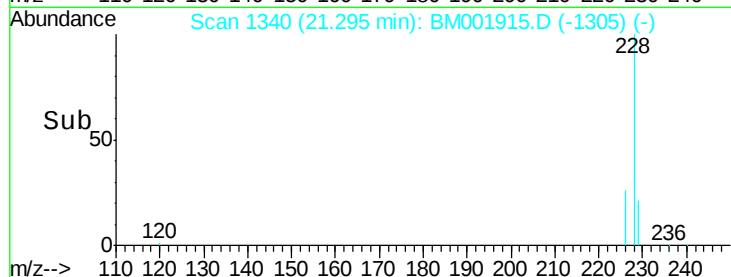
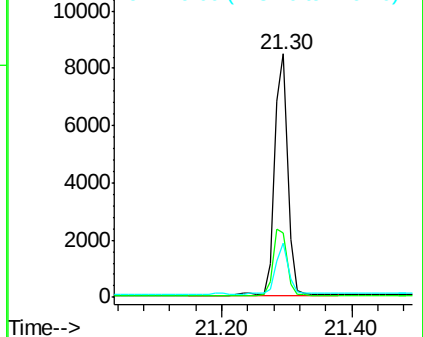
229 22.2 15.2 22.8



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: 0.69 ng/ul

RT: 21.30 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

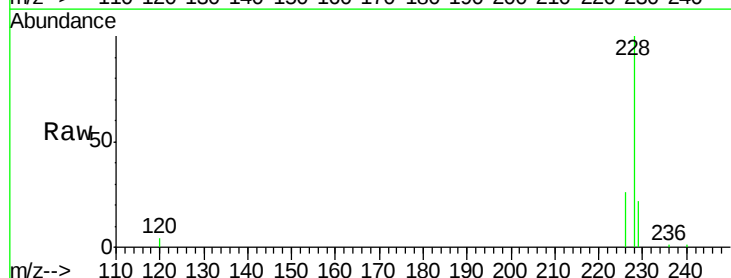
Tgt Ion:228 Resp: 11900

Ion Ratio Lower Upper

228 100

226 26.4 25.7 38.5

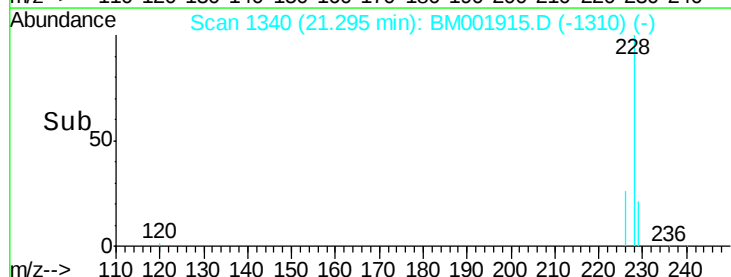
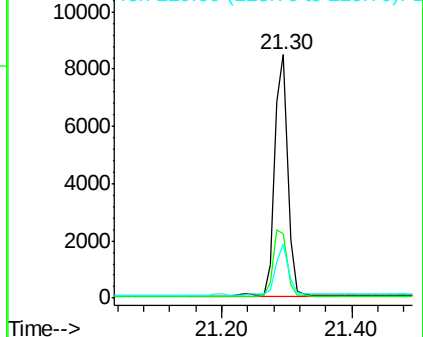
229 22.2 14.8 22.2

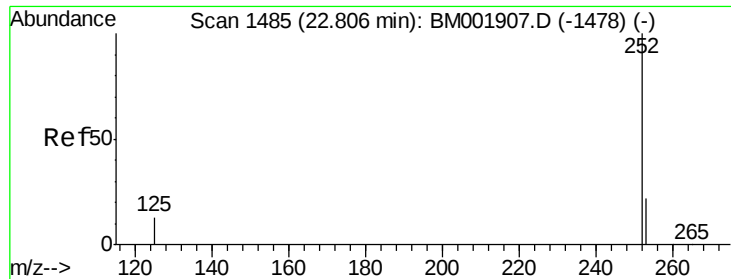


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.72 ng/u1

RT: 22.81 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

Instrument :

BNA_M

ClientSampleId :

X1Y23

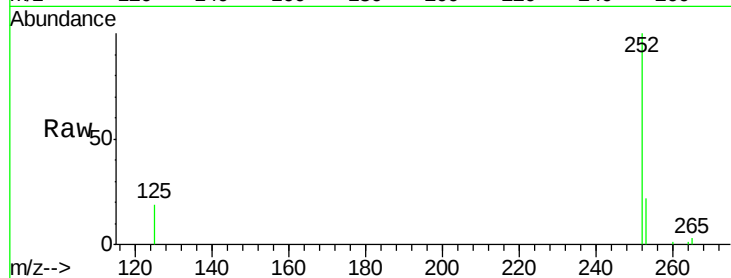
Tgt Ion:252 Resp: 13127

Ion Ratio Lower Upper

252 100

253 22.2 0.0 49.0

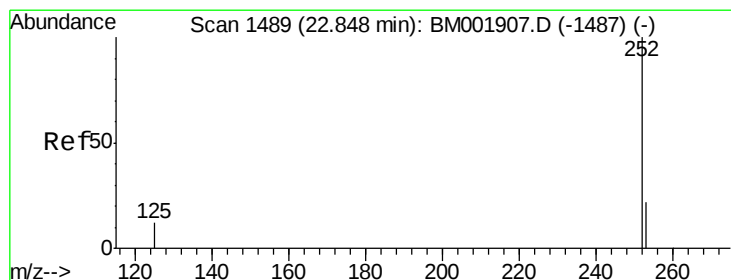
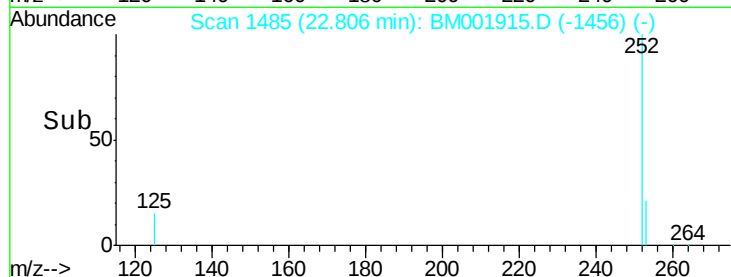
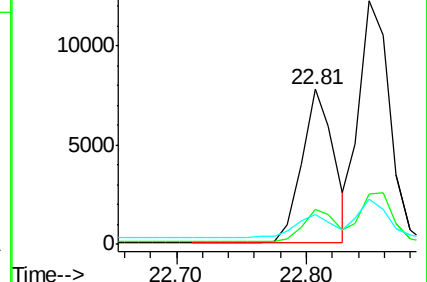
125 19.5 0.0 31.0



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: 1.33 ng/u1

RT: 22.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

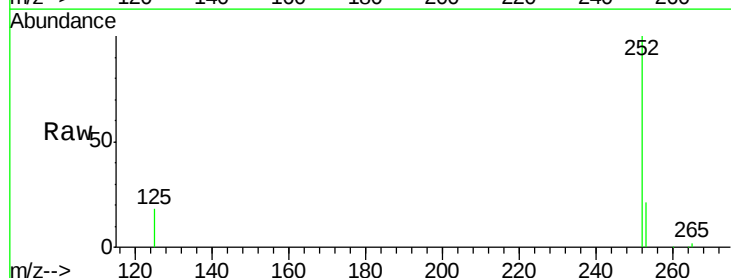
Tgt Ion:252 Resp: 20116

Ion Ratio Lower Upper

252 100

253 20.9 18.7 28.1

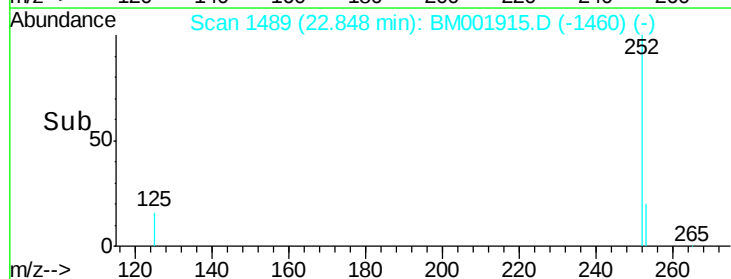
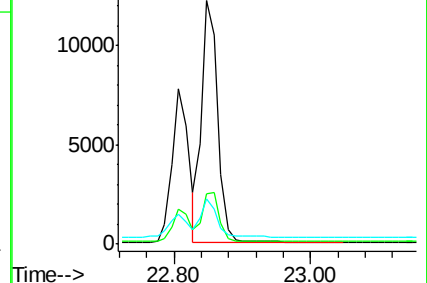
125 18.5 12.5 18.7

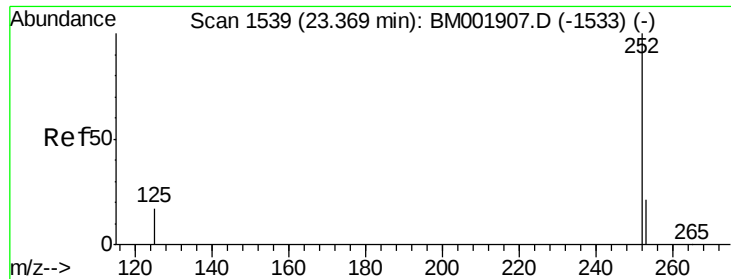


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.64 ng/ul

RT: 23.38 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

Instrument :

BNA_M

ClientSampleId :

X1Y23

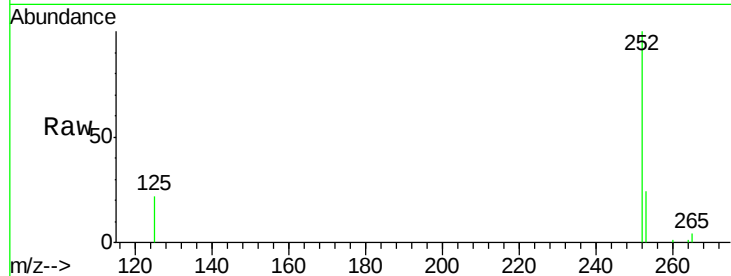
Tgt Ion:252 Resp: 10067

Ion Ratio Lower Upper

252 100

253 23.6 18.6 27.8

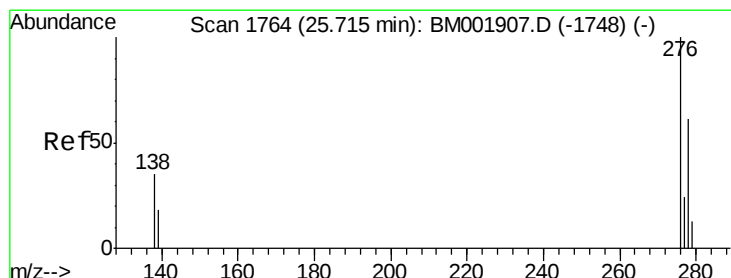
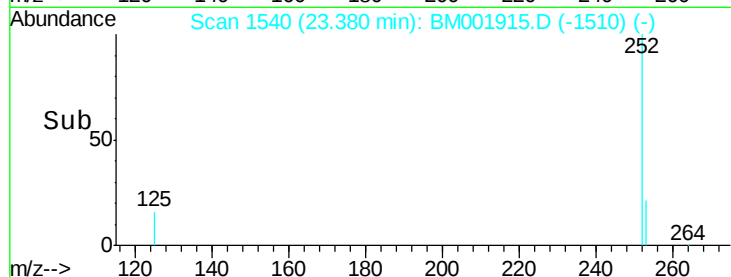
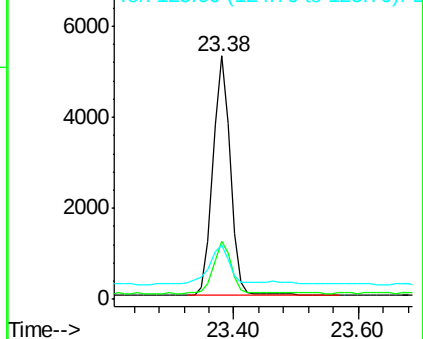
125 22.2 15.4 23.2



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: 0.15 ng/ul

RT: 25.74 min Scan# 1766

Delta R.T. 0.02 min

Lab File: BM001915.D

Acq: 14 Jul 2015 14:15

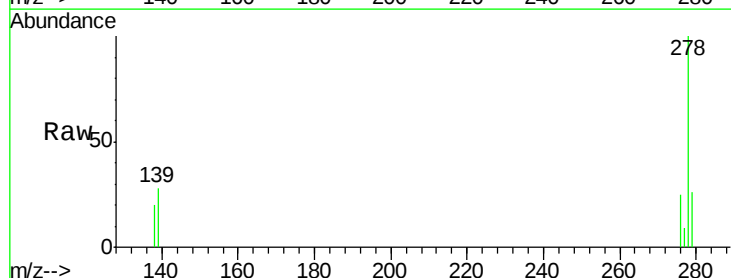
Tgt Ion:276 Resp: 2578

Ion Ratio Lower Upper

276 100

138 75.3 28.5 42.7#

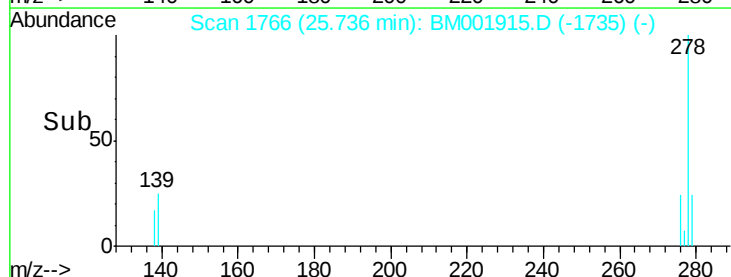
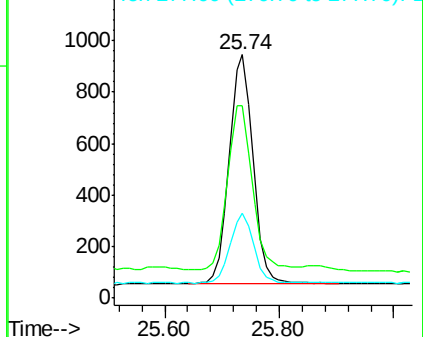
277 30.1 19.6 29.4#

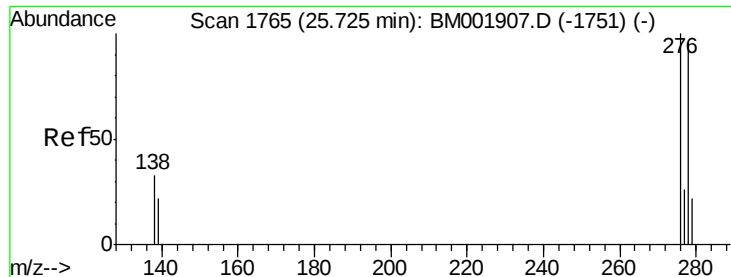


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



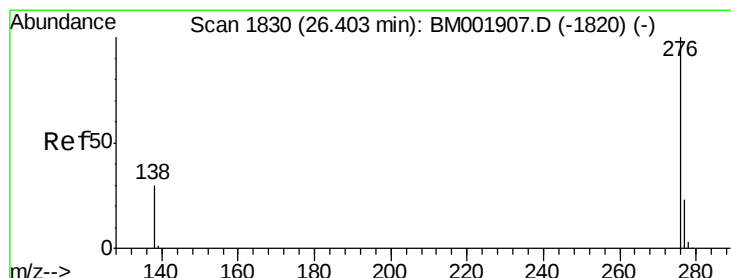
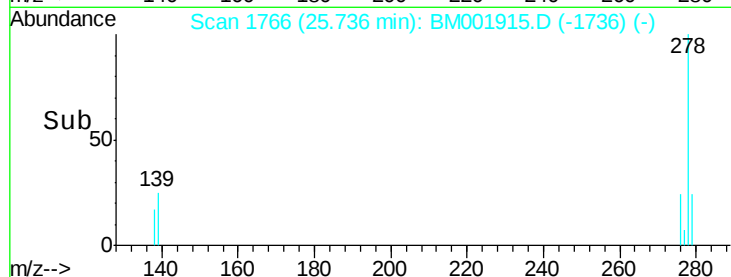
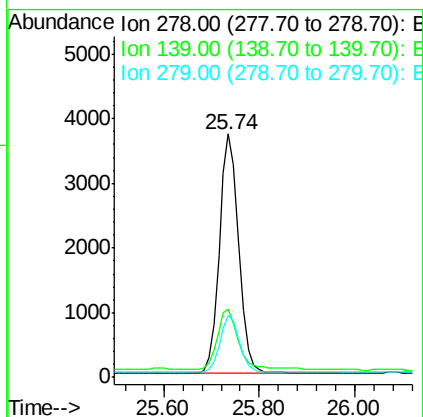
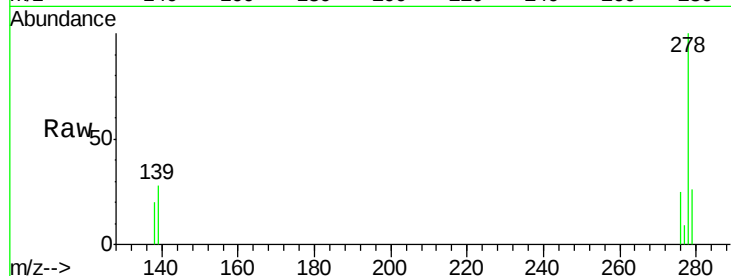


#25
Dibenzo(a,h)anthracene
Concen: 0.78 ng/ul
RT: 25.74 min Scan# 1766
Delta R.T. 0.01 min
Lab File: BM001915.D
Acq: 14 Jul 2015 14:15

Instrument :
BNA_M
ClientSampleId :
X1Y23

Tgt Ion: 278 Resp: 10485

Ion	Ratio	Lower	Upper
278	100		
139	27.9	20.6	31.0
279	25.5	20.3	30.5



#26
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.41 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BM001915.D
Acq: 14 Jul 2015 14:15

Tgt Ion: 276 Resp: 160

Ion	Ratio	Lower	Upper
276	100		
277	71.9	20.1	30.1#
138	118.8	25.5	38.3#

