

Data Path : Z:\HPCHEM1\BNA_M\Data\BM071415\
 Data File : BM001914.D
 Acq On : 14 Jul 2015 13:12
 Operator : TP/UM
 Sample : G2928-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1Y18

Quant Time: Jul 14 18:28:34 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	1237	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	4739	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	2504	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5489	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4640	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	4176	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	3020	0.41	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	6604	0.44	ng/ul	0.00

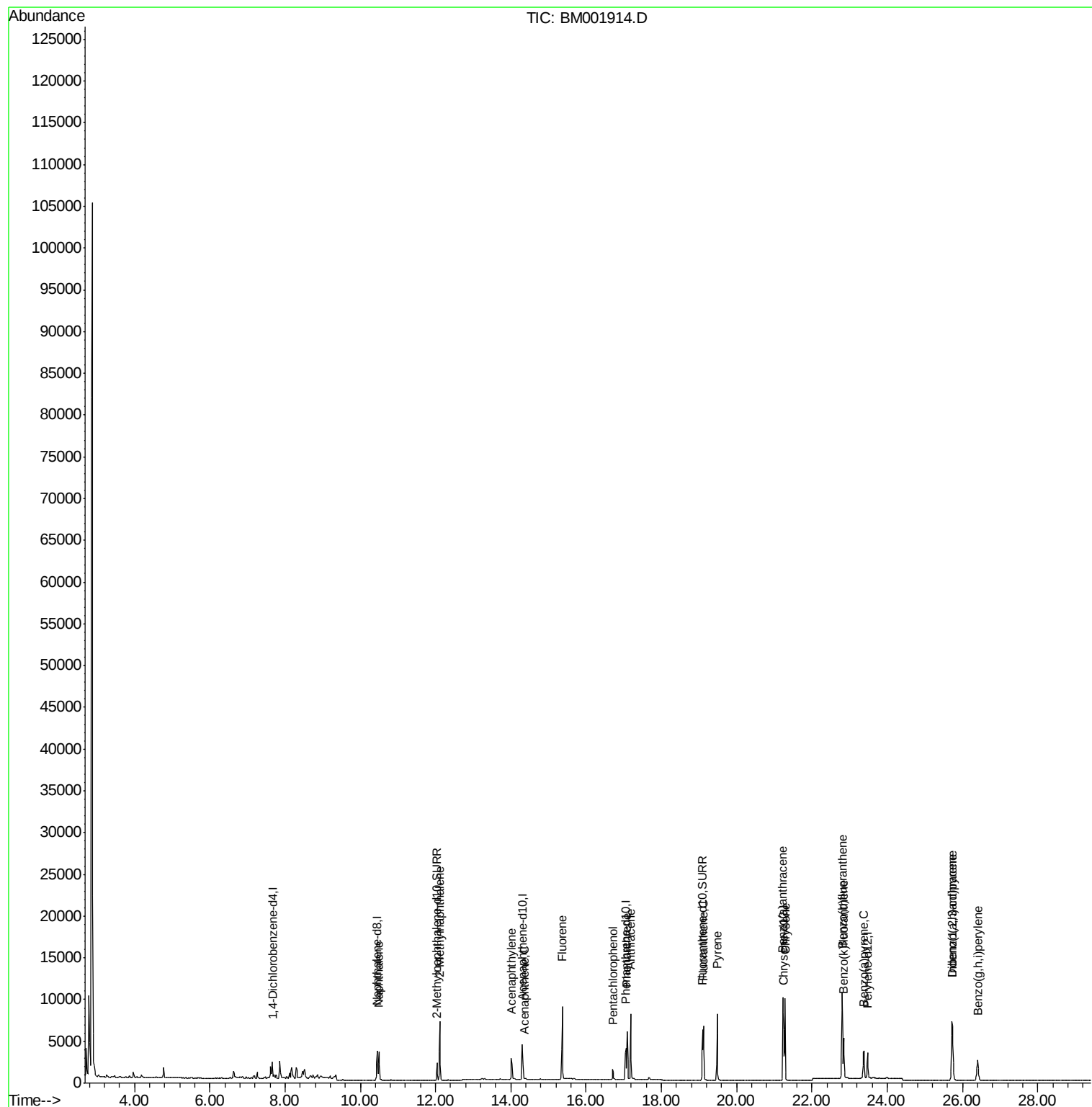
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	4624	0.32	ng/ul	99
5) 2-Methylnaphthalene	12.11	142	5388	0.56	ng/ul	100
7) Acenaphthylene	14.01	152	3562	0.24	ng/ul	98
8) Acenaphthene	14.37	153	29	0.00	ng/ul#	77
9) Fluorene	15.37	166	6123	0.51	ng/ul	97
11) Pentachlorophenol	16.70	266	1008	0.70	ng/ul	98
12) Phenanthrene	17.09	178	6248	0.33	ng/ul	100
13) Anthracene	17.18	178	8738	0.48	ng/ul	99
15) Fluoranthene	19.12	202	6068	0.29	ng/ul	99
17) Pyrene	19.48	202	7735	0.37	ng/ul	99
18) Benzo(a)anthracene	21.23	228	8482	0.47	ng/ul	99
19) Chrysene	21.28	228	8583	0.48	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	12786	0.67	ng/ul	97
22) Benzo(k)fluoranthene	22.85	252	5440	0.34	ng/ul	99
23) Benzo(a)pyrene	23.38	252	4860	0.29	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.73	276	2410	0.14	ng/ul#	59
25) Dibenzo(a,h)anthracene	25.73	278	10044	0.71	ng/ul	99
26) Benzo(g,h,i)perylene	26.40	276	4705	0.31	ng/ul	98

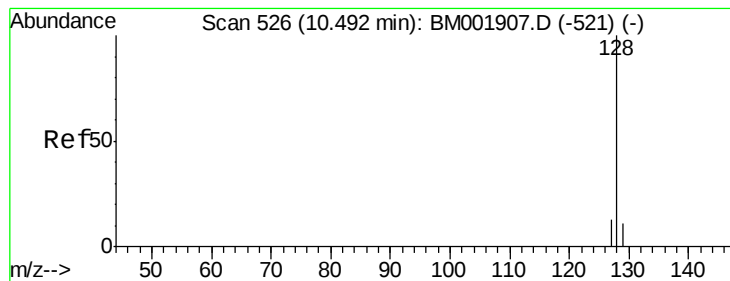
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.32 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

Instrument :

BNA_M

ClientSampleId :

X1Y18

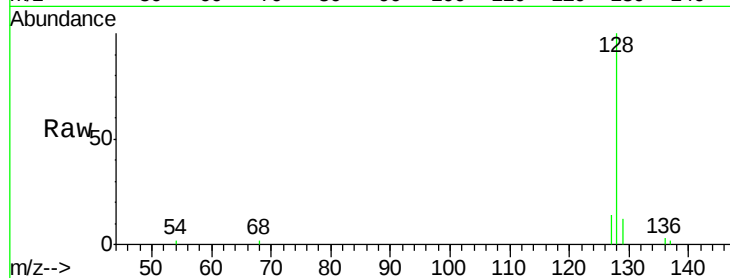
Tgt Ion:128 Resp: 4624

Ion Ratio Lower Upper

128 100

129 12.4 9.6 14.4

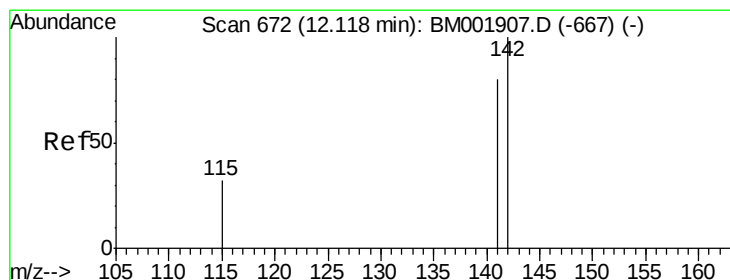
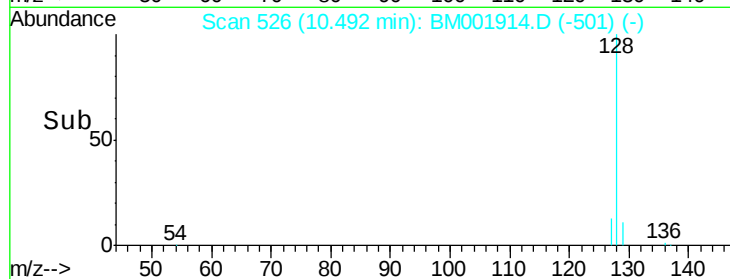
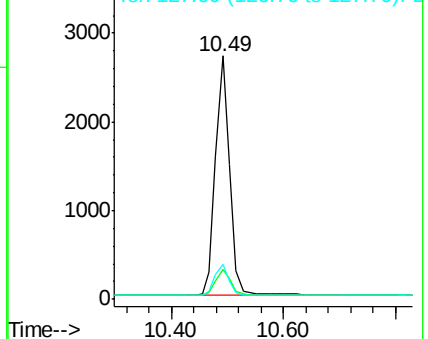
127 14.2 11.0 16.6



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: 0.56 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. -0.01 min

Lab File: BM001914.D

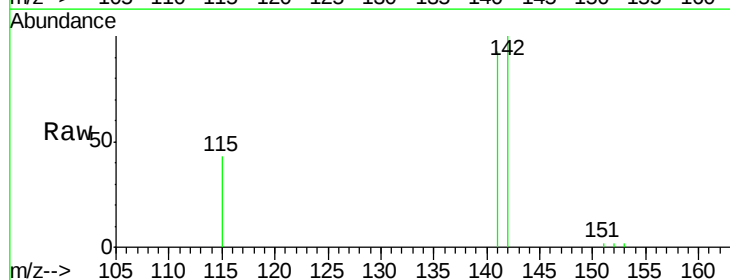
Acq: 14 Jul 2015 13:12

Tgt Ion:142 Resp: 5388

Ion Ratio Lower Upper

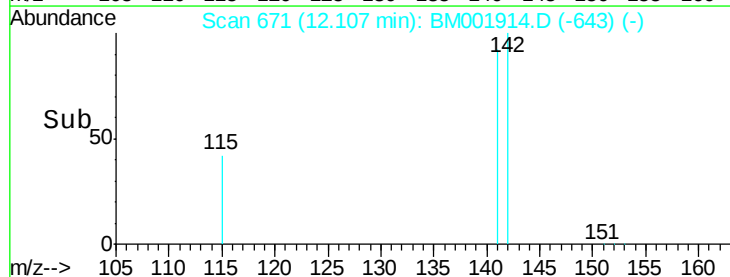
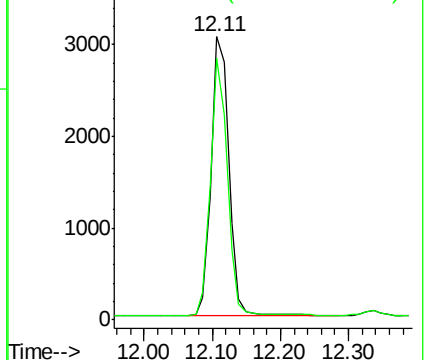
142 100

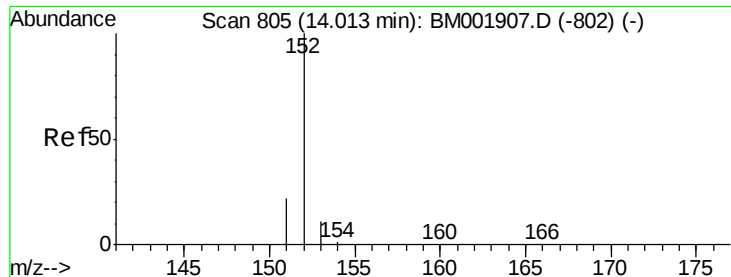
141 88.4 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.24 ng/ul

RT: 14.01 min Scan# 805

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

Instrument :

BNA_M

ClientSampleId :

X1Y18

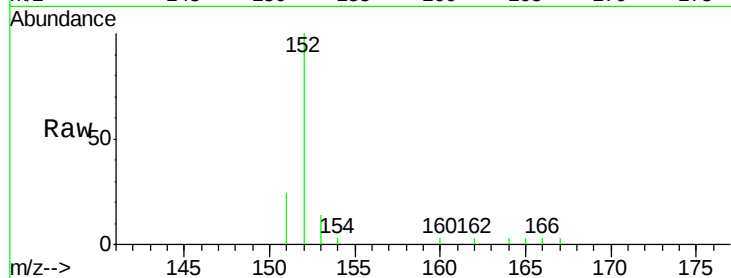
Tgt Ion:152 Resp: 3562

Ion Ratio Lower Upper

152 100

151 23.6 18.5 27.7

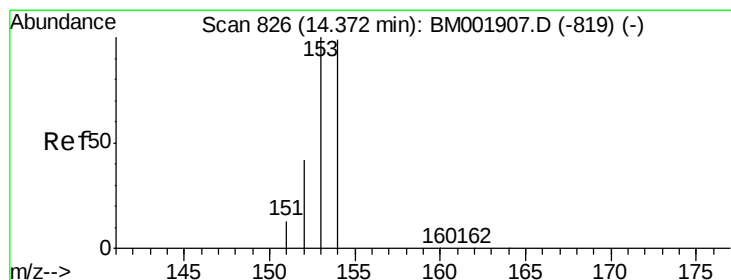
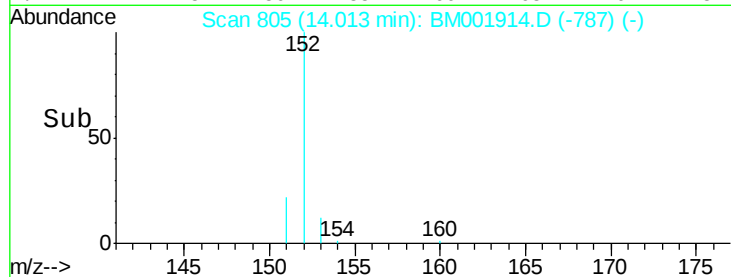
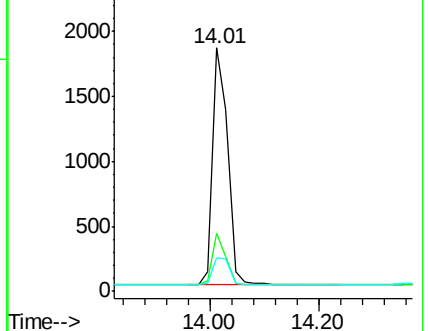
153 14.0 10.3 15.5



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: 0.00 ng/ul

RT: 14.37 min Scan# 826

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

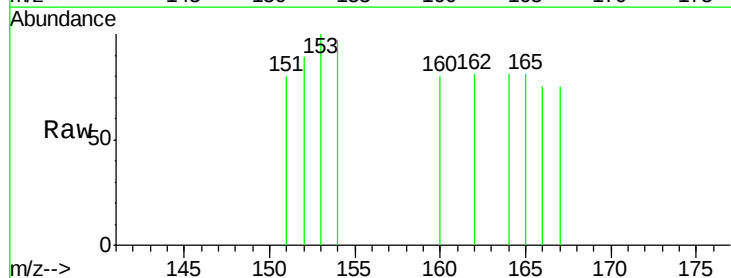
Tgt Ion:153 Resp: 29

Ion Ratio Lower Upper

153 100

152 89.1 34.9 52.3#

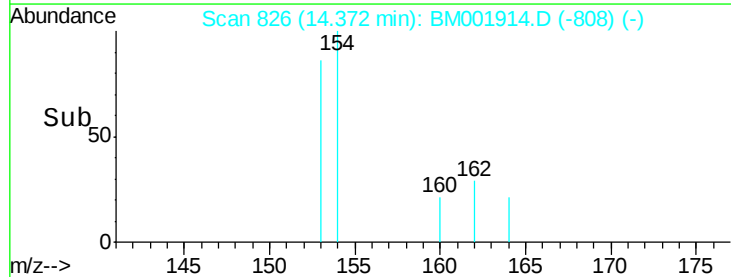
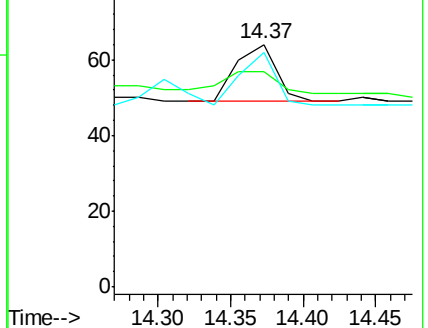
154 96.9 79.0 118.4

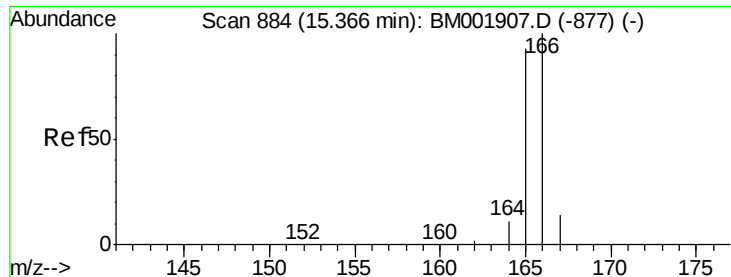


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

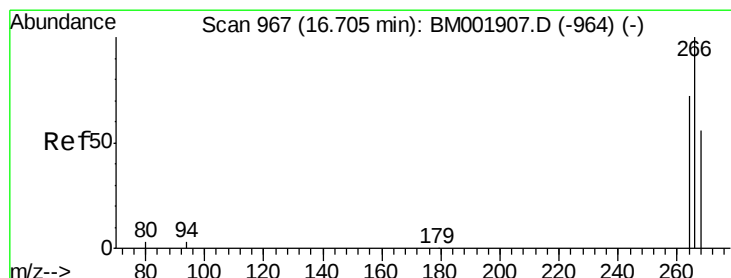
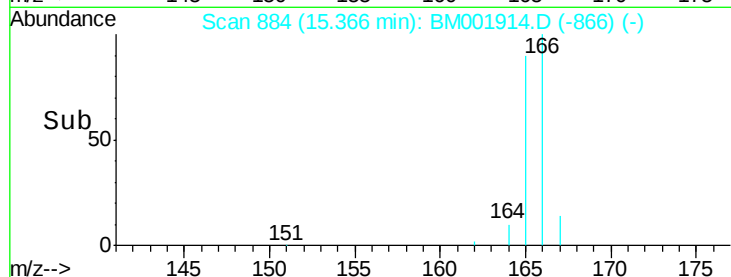
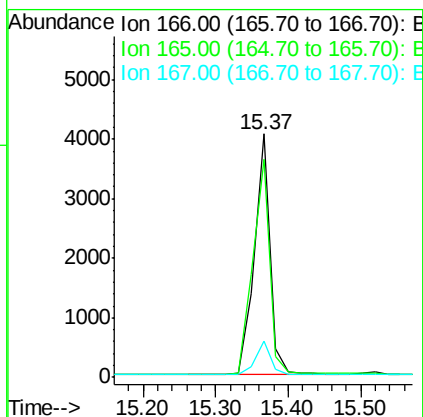
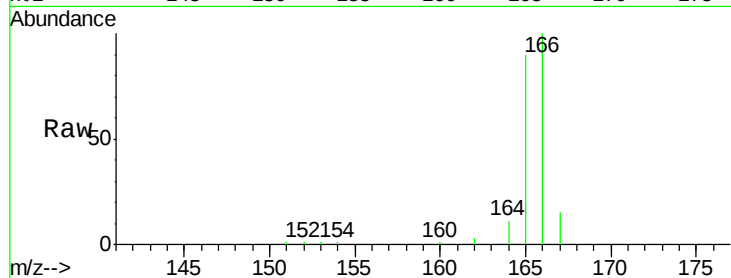




#9
Fluorene
 Concen: 0.51 ng/ul
 RT: 15.37 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BM001914.D
 Acq: 14 Jul 2015 13:12

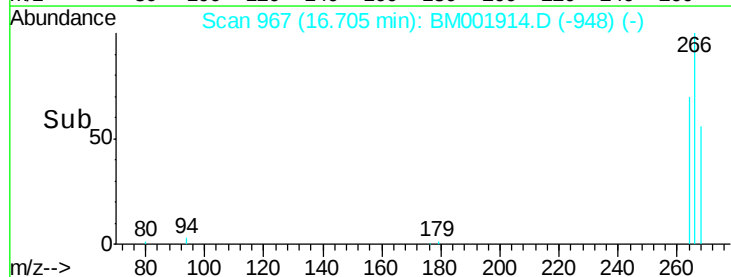
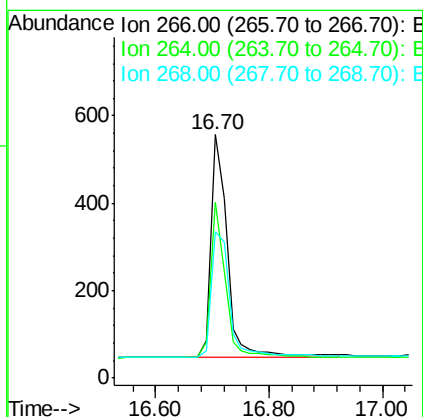
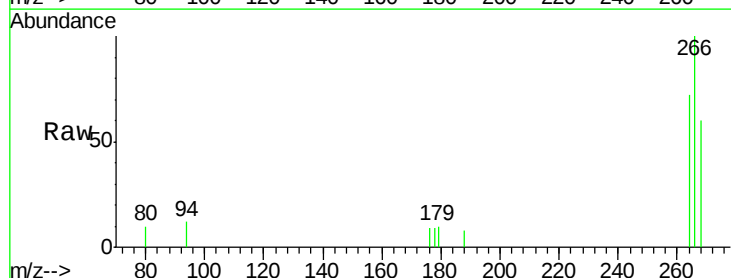
Instrument :
 BNA_M
 ClientSampleId :
 X1Y18

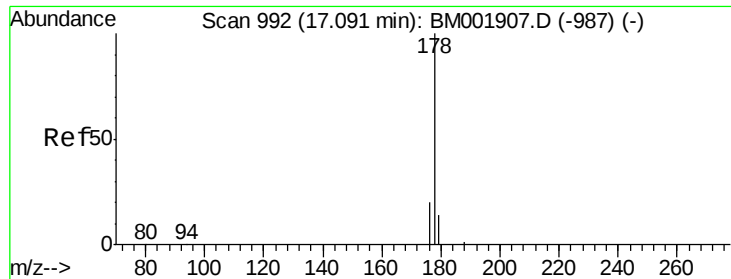
Tgt Ion:166 Resp: 6123
 Ion Ratio Lower Upper
 166 100
 165 89.8 74.4 111.6
 167 14.6 12.0 18.0



#11
Pentachlorophenol
 Concen: 0.70 ng/ul
 RT: 16.70 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BM001914.D
 Acq: 14 Jul 2015 13:12

Tgt Ion:266 Resp: 1008
 Ion Ratio Lower Upper
 266 100
 264 65.7 49.9 74.9
 268 64.9 52.1 78.1





#12

Phenanthrene

Concen: 0.33 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

Instrument :

BNA_M

ClientSampleId :

X1Y18

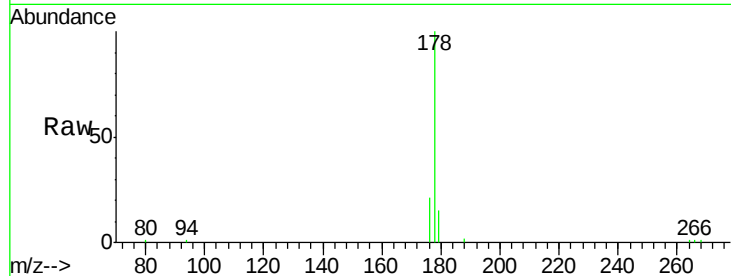
Tgt Ion:178 Resp: 6248

Ion Ratio Lower Upper

178 100

176 20.5 16.6 25.0

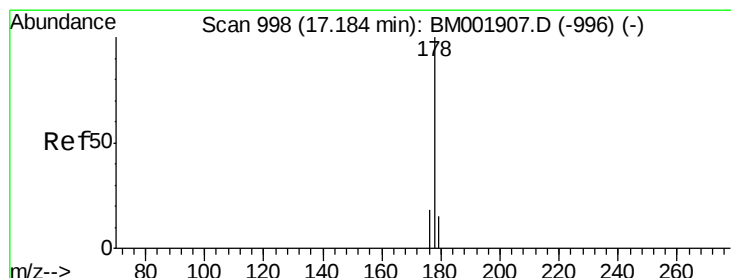
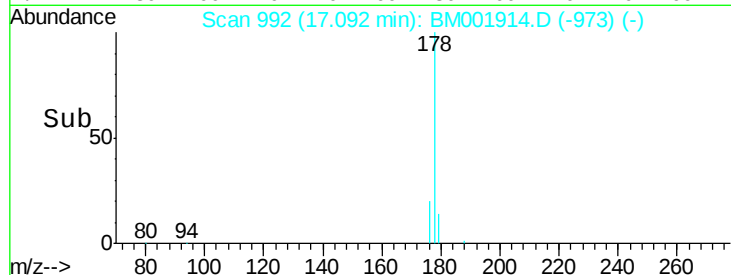
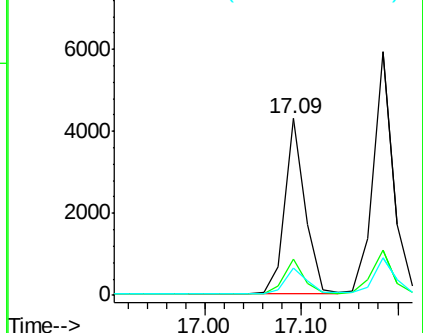
179 15.2 12.2 18.2



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: 0.48 ng/ul

RT: 17.18 min Scan# 998

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

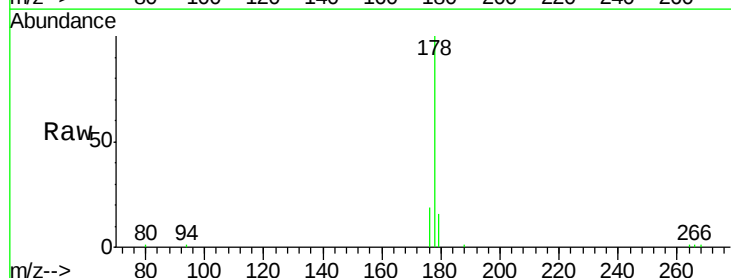
Tgt Ion:178 Resp: 8738

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

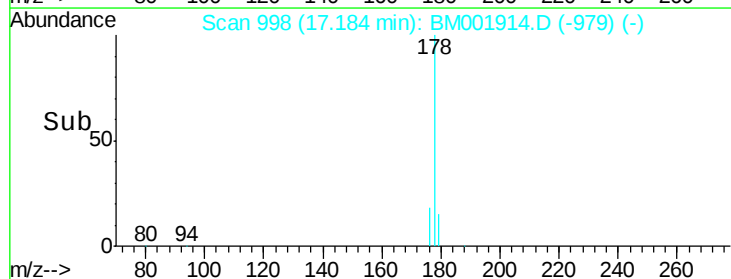
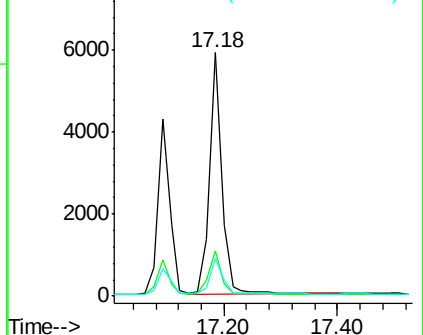
179 15.6 12.6 18.8

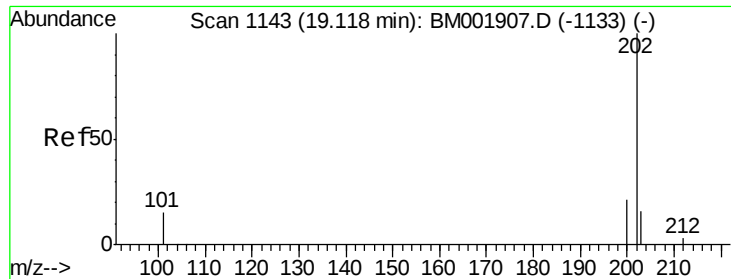


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.29 ng/ul

RT: 19.12 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

Instrument :

BNA_M

ClientSampleId :

X1Y18

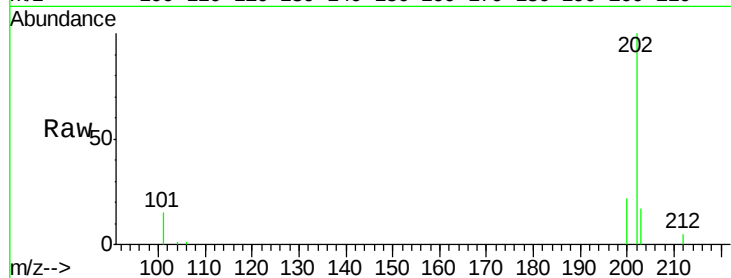
Tgt Ion:202 Resp: 6068

Ion Ratio Lower Upper

202 100

101 14.8 0.0 35.3

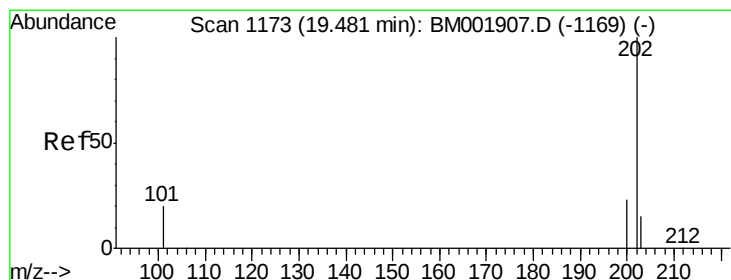
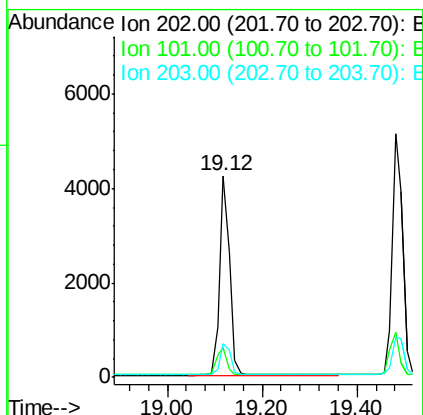
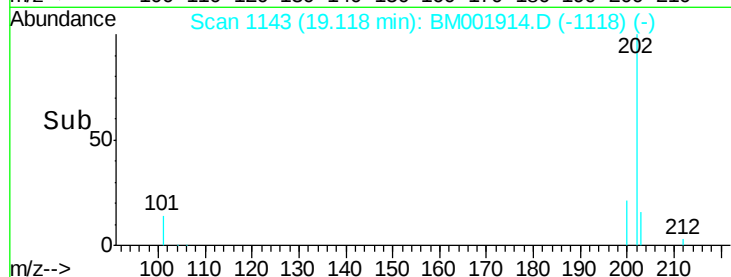
203 17.0 0.0 36.8



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: 0.37 ng/ul

RT: 19.48 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

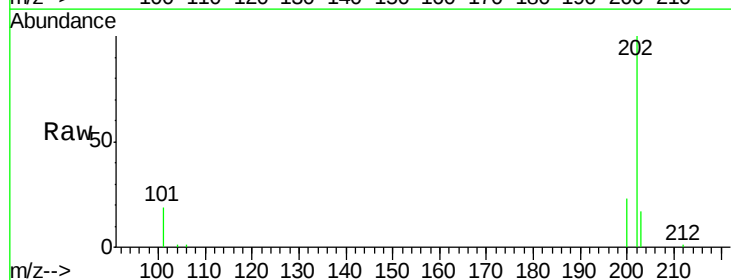
Tgt Ion:202 Resp: 7735

Ion Ratio Lower Upper

202 100

200 23.0 18.7 28.1

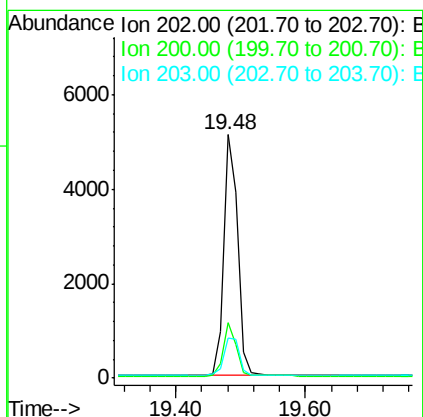
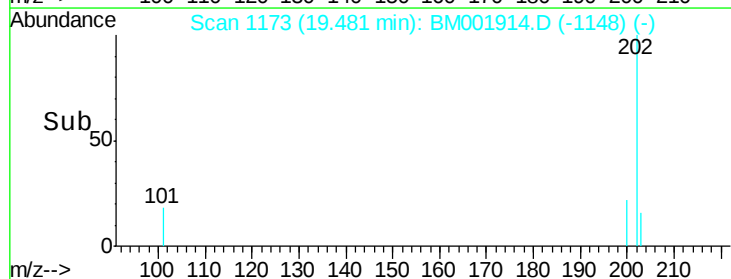
203 16.5 13.0 19.4

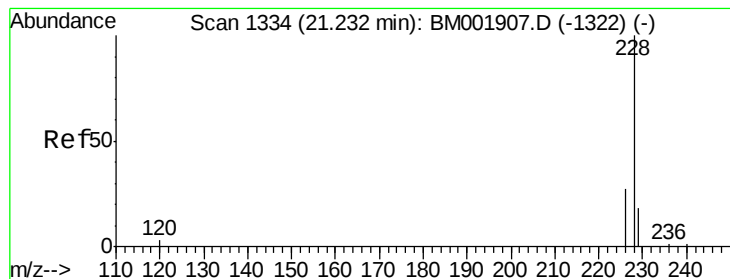


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.47 ng/ul

RT: 21.23 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

Instrument :

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X1Y18

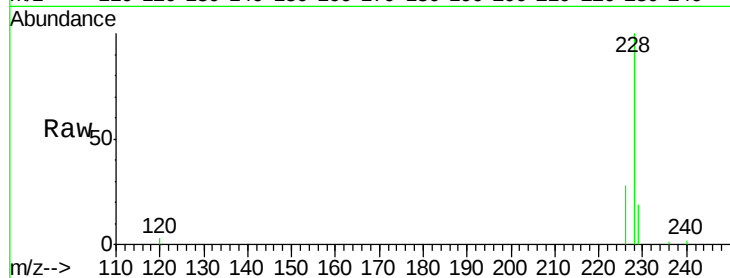
Tgt Ion:228 Resp: 8482

Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

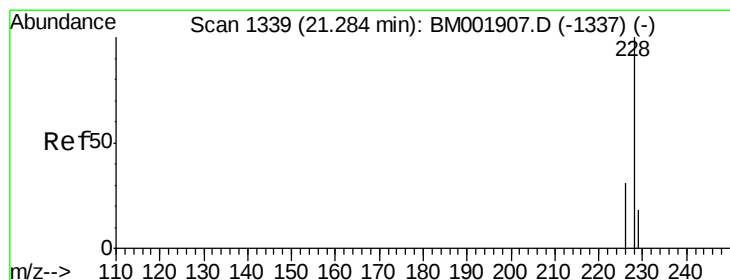
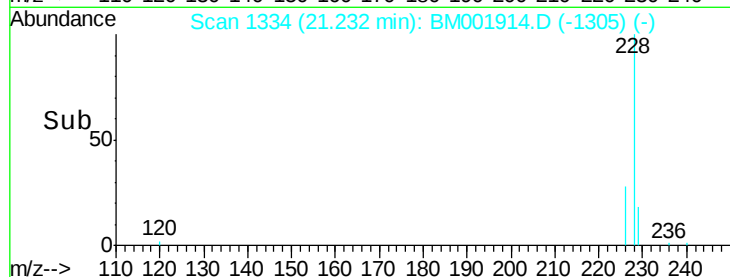
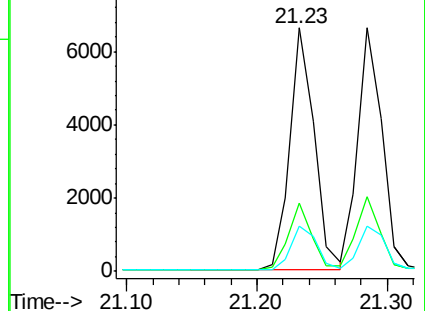
229 18.7 15.2 22.8



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: 0.48 ng/ul

RT: 21.28 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

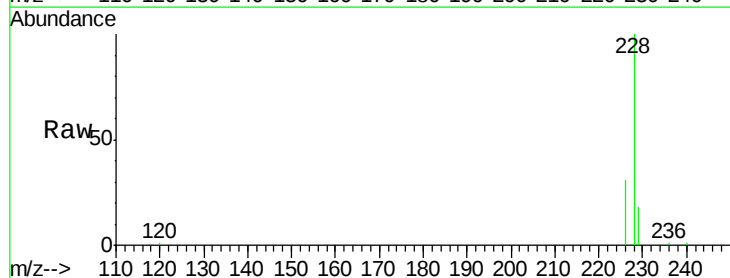
Tgt Ion:228 Resp: 8583

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

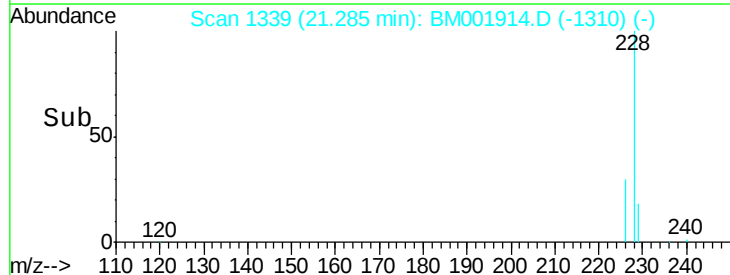
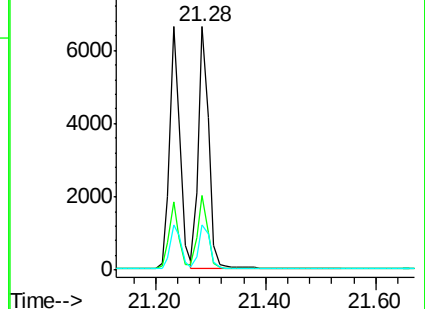
229 18.4 14.8 22.2

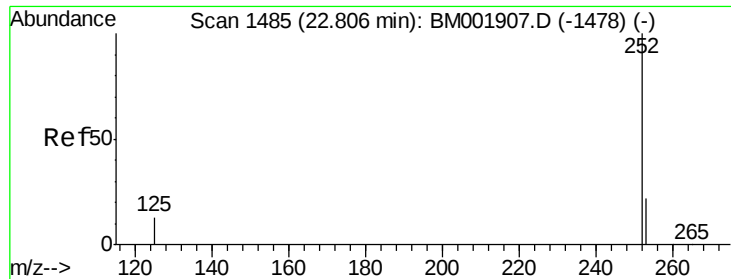


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.67 ng/ul

RT: 22.81 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

Instrument :

BNA_M

ClientSampleId :

X1Y18

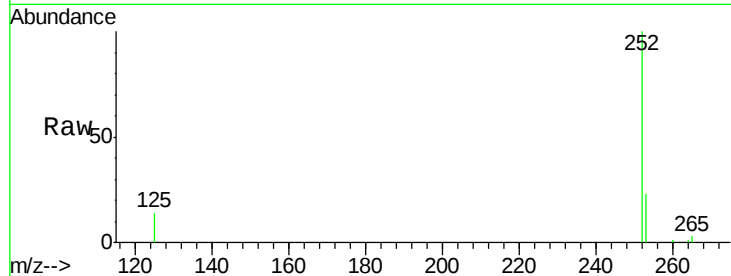
Tgt Ion:252 Resp: 12786

Ion Ratio Lower Upper

252 100

253 23.2 0.0 49.0

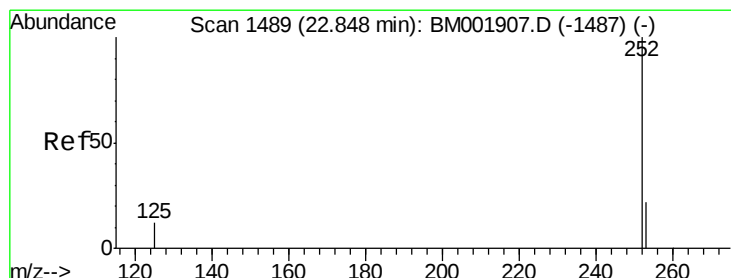
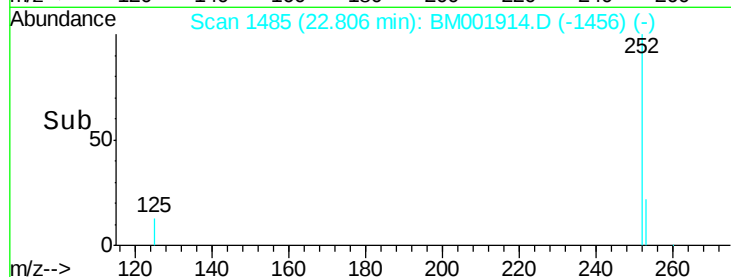
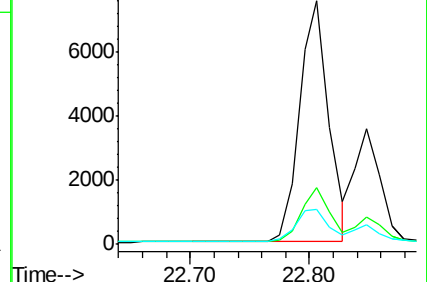
125 14.4 0.0 31.0



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: 0.34 ng/ul

RT: 22.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

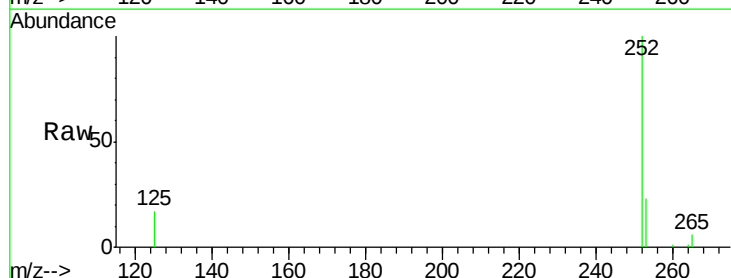
Tgt Ion:252 Resp: 5440

Ion Ratio Lower Upper

252 100

253 23.4 18.7 28.1

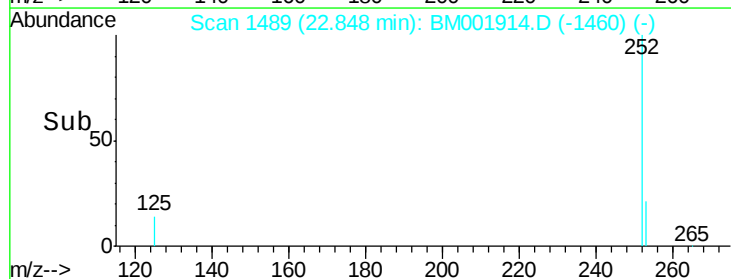
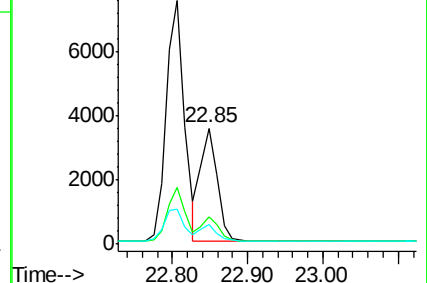
125 16.7 12.5 18.7

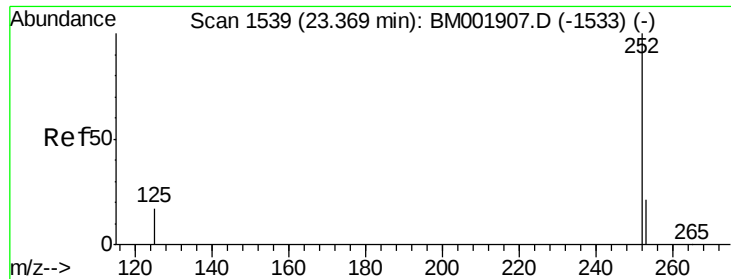


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.29 ng/ul

RT: 23.38 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

Instrument :

BNA_M

ClientSampleId :

X1Y18

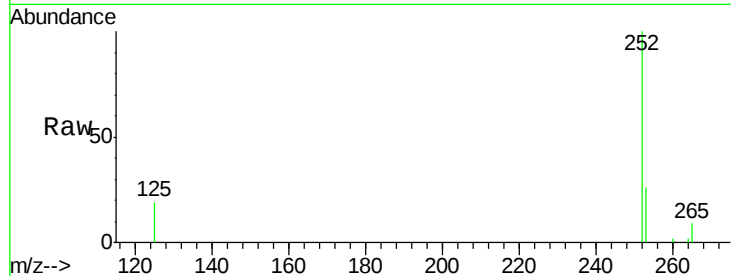
Tgt Ion:252 Resp: 4860

Ion Ratio Lower Upper

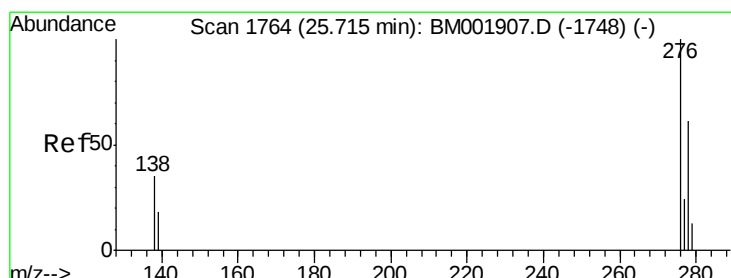
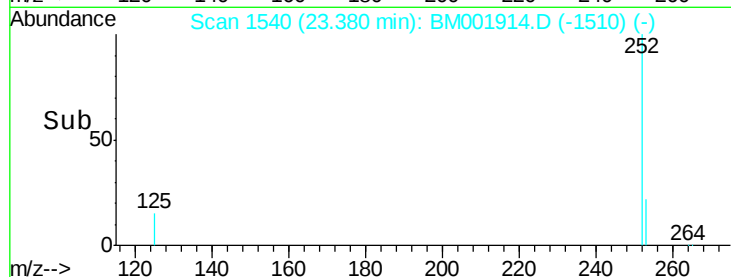
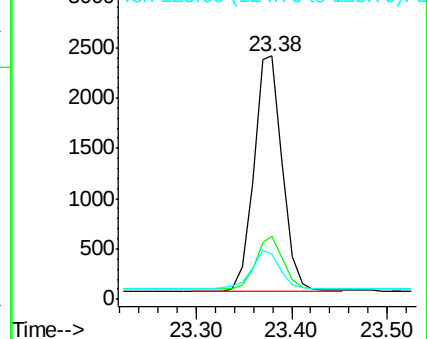
252 100

253 26.0 18.6 27.8

125 18.5 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: 0.14 ng/ul

RT: 25.73 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BM001914.D

Acq: 14 Jul 2015 13:12

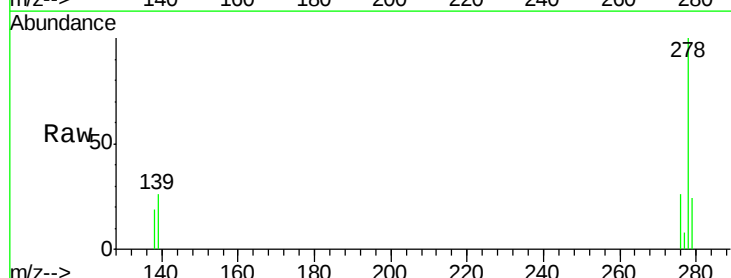
Tgt Ion:276 Resp: 2410

Ion Ratio Lower Upper

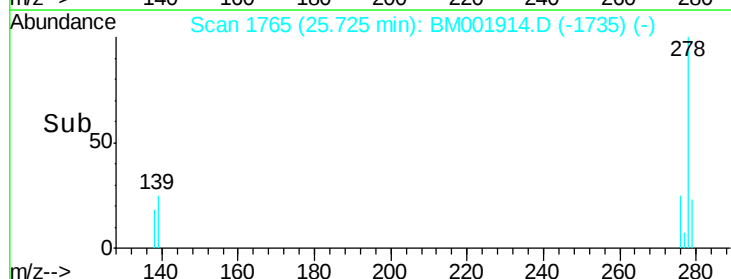
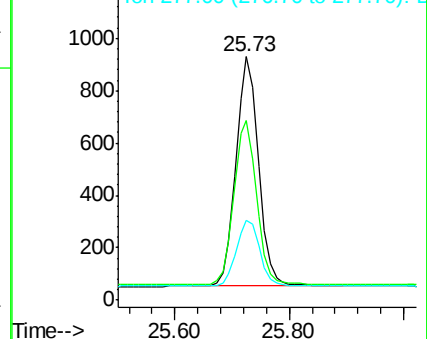
276 100

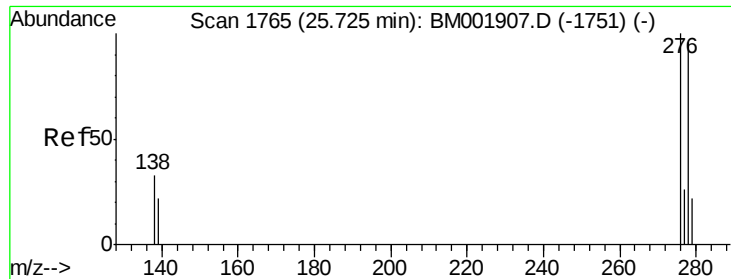
138 72.0 28.5 42.7#

277 30.0 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

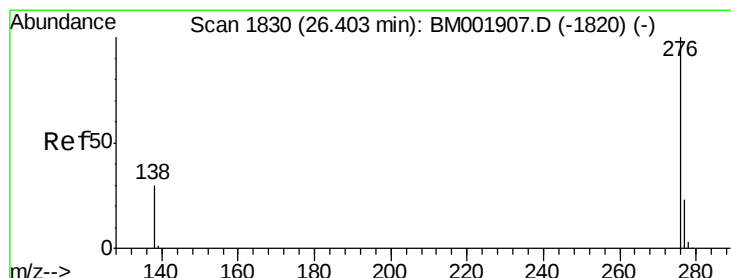
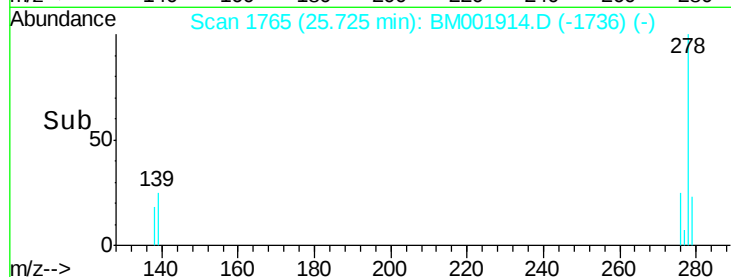
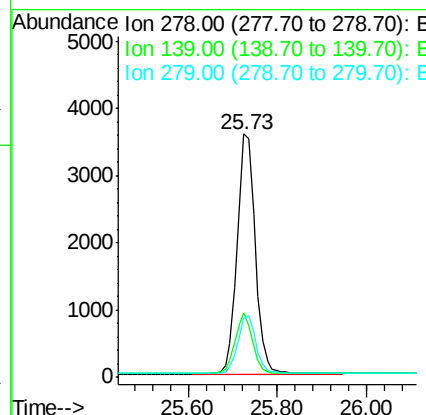
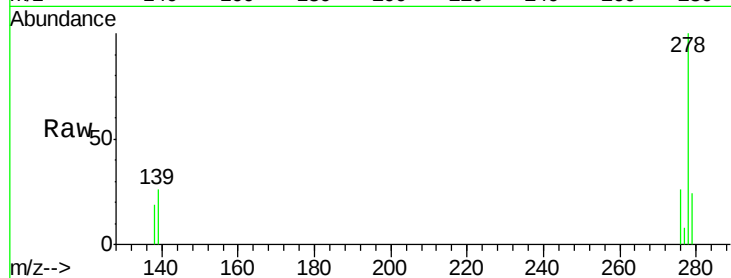




#25
Dibenzo(a,h)anthracene
Concen: 0.71 ng/ul
RT: 25.73 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BM001914.D
Acq: 14 Jul 2015 13:12

Instrument :
BNA_M
ClientSampleId :
X1Y18

Tgt Ion: 278 Resp: 10044
Ion Ratio Lower Upper
278 100
139 26.2 20.6 31.0
279 24.5 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 0.31 ng/ul
RT: 26.40 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BM001914.D
Acq: 14 Jul 2015 13:12

Tgt Ion: 276 Resp: 4705
Ion Ratio Lower Upper
276 100
277 26.0 20.1 30.1
138 32.6 25.5 38.3

