

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008067.D
 Acq On : 24 Nov 2016 10:55
 Operator : UM/SJ
 Sample : H5701-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WD7

Quant Time: Nov 25 01:29:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 25 01:27:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	736	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2529	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1560	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	153080	0.40	ng/ul	0.09
16) Chrysene-d12	21.29	240	3236	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	158570	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	823	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.21	212	79	0.00	ng/ul	0.08

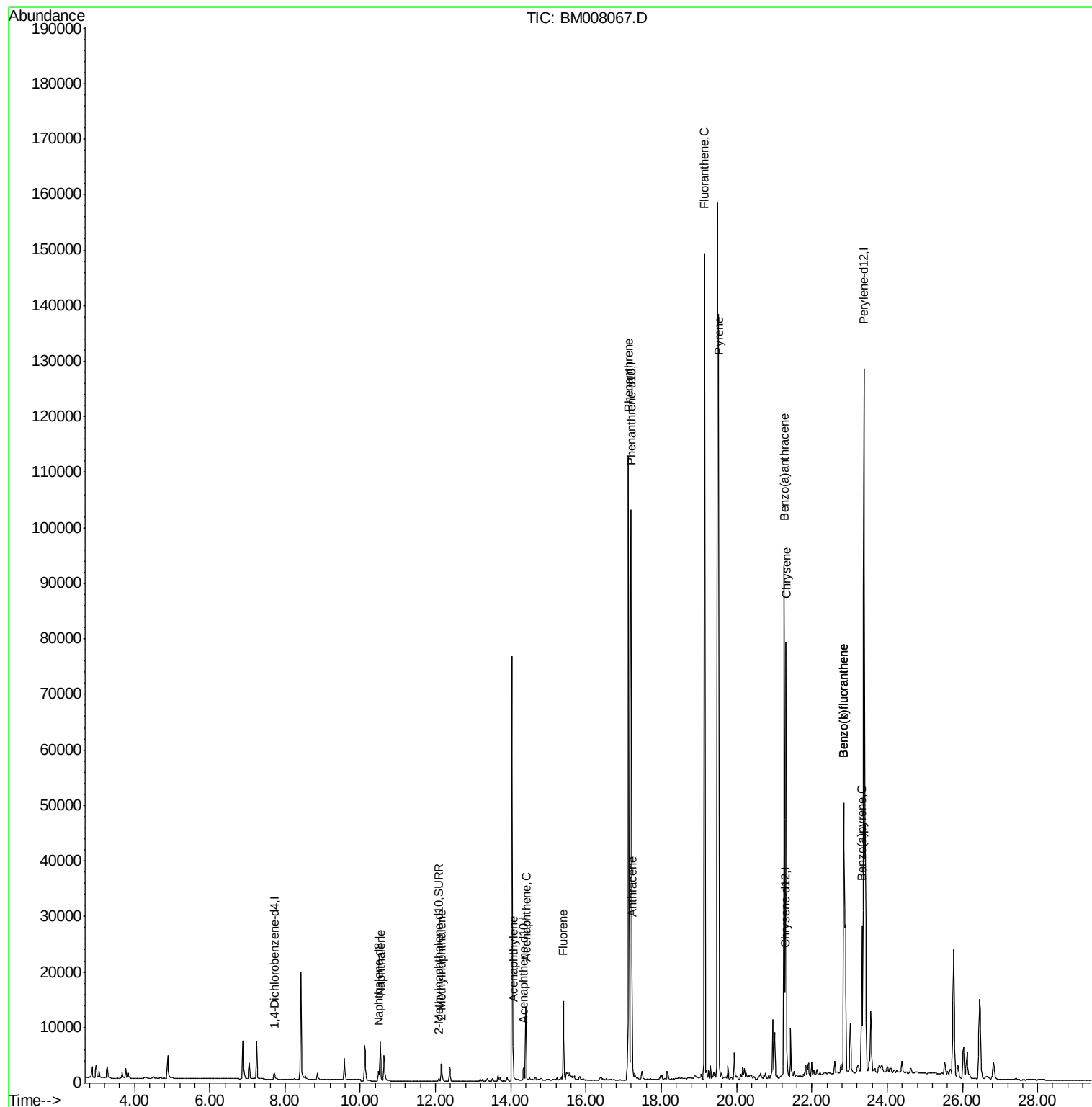
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	10401	1.47	ng/ul	94
5) 2-Methylnaphthalene	12.16	142	2781	0.61	ng/ul	99
7) Acenaphthylene	14.06	152	3318	0.47	ng/ul	99
8) Acenaphthene	14.40	153	8037	1.50	ng/ul	97
9) Fluorene	15.39	166	11023	1.79	ng/ul#	84
12) Phenanthrene	17.12	178	124063	0.26	ng/ul	94
13) Anthracene	17.23	178	32283	0.07	ng/ul#	92
15) Fluoranthene	19.15	202	164794	0.27	ng/ul	94
17) Pyrene	19.52	202	144659	12.88	ng/ul#	94
18) Benzo(a)anthracene	21.27	228	81128	8.17	ng/ul	98
19) Chrysene	21.32	228	71367	5.78	ng/ul	98
21) Benzo(b)fluoranthene	22.85	252	64814	0.10	ng/ul	82
22) Benzo(k)fluoranthene	22.85	252	110864	0.17	ng/ul#	84
23) Benzo(a)pyrene	23.33	252	38702	0.07	ng/ul#	78

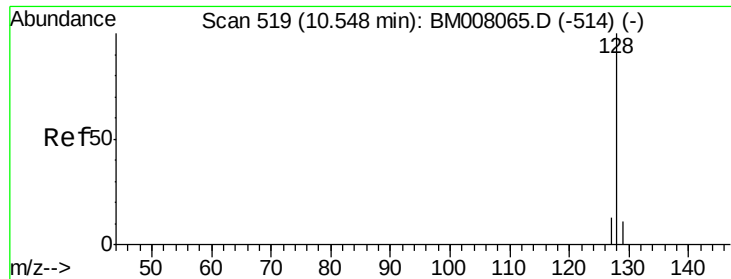
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.47 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.01 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Instrument :

BNA_M

ClientSampleId :

A4WD7

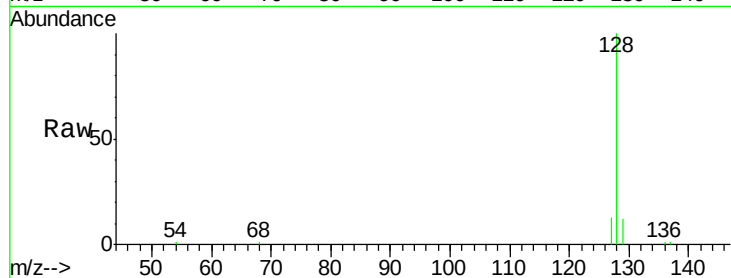
Tgt Ion:128 Resp: 10401

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

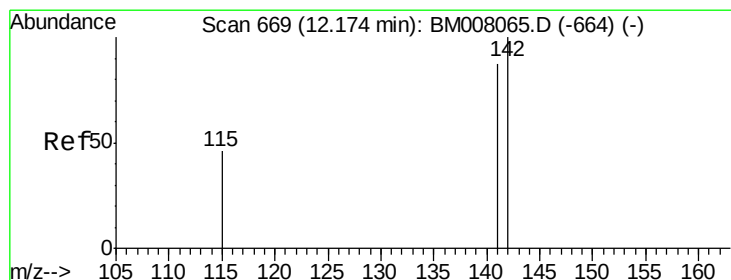
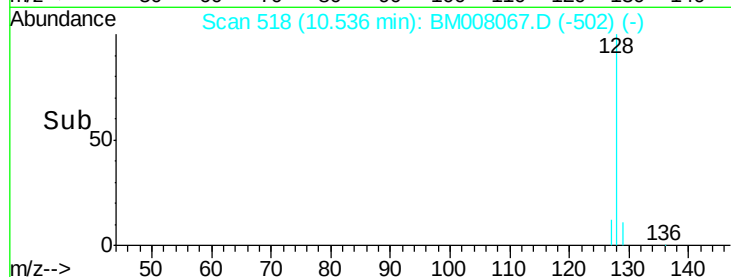
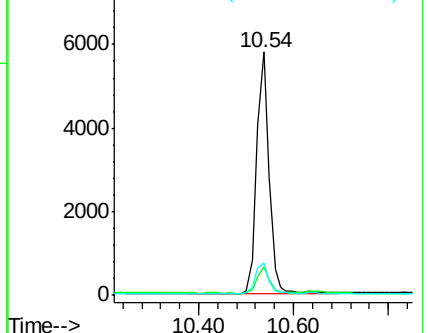
127 13.2 12.8 19.2



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: 0.61 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM008067.D

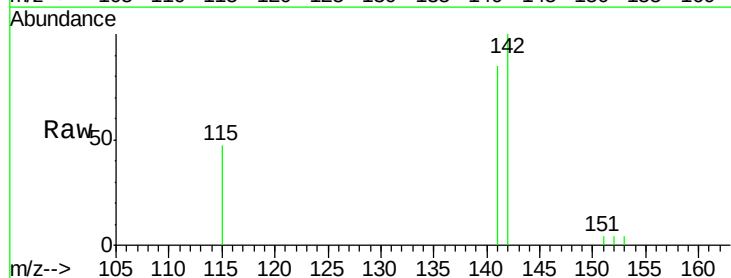
Acq: 24 Nov 2016 10:55

Tgt Ion:142 Resp: 2781

Ion Ratio Lower Upper

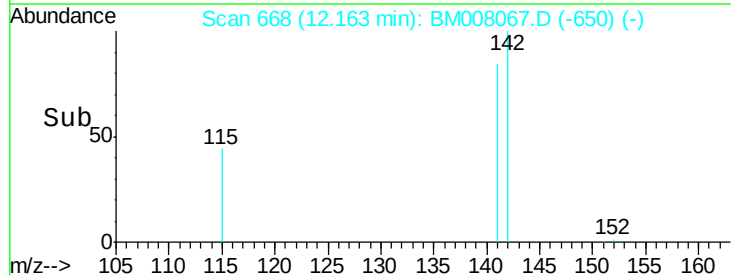
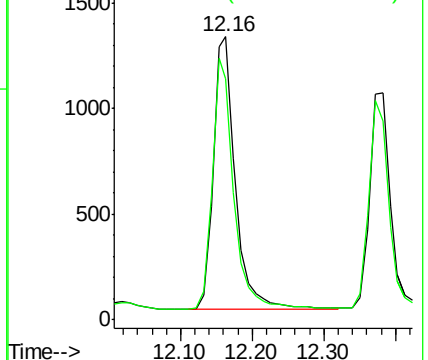
142 100

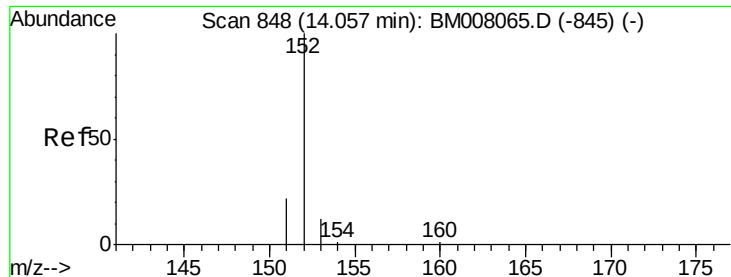
141 89.9 72.6 108.8



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: 14.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Instrument :

BNA_M

ClientSampleId :

A4WD7

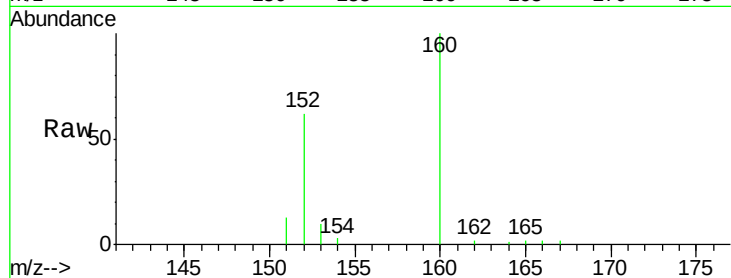
Tgt Ion:152 Resp: 3318

Ion Ratio Lower Upper

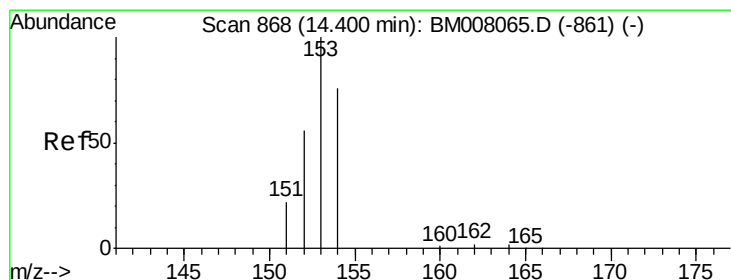
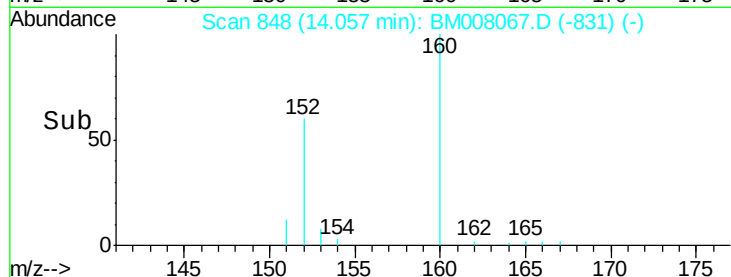
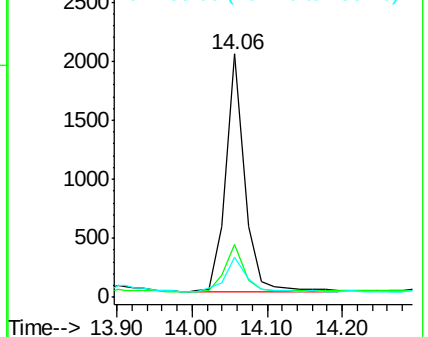
152 100

151 21.7 17.1 25.7

153 16.4 12.8 19.2



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: 1.50 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. 0.00 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

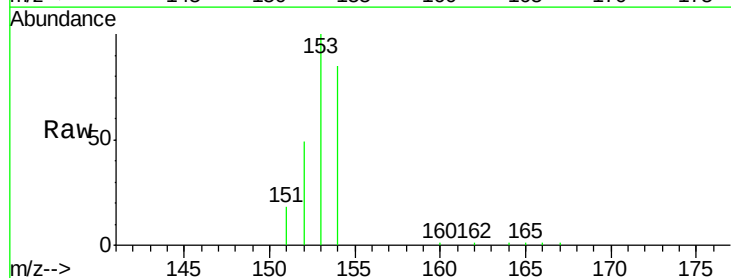
Tgt Ion:153 Resp: 8037

Ion Ratio Lower Upper

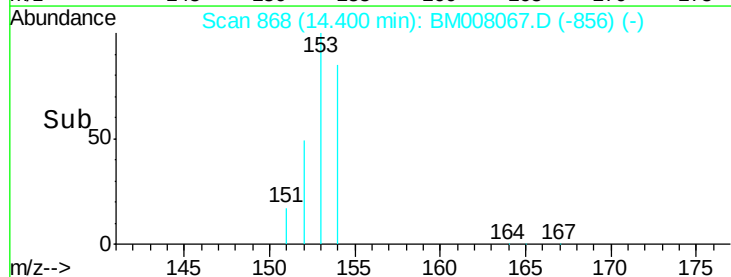
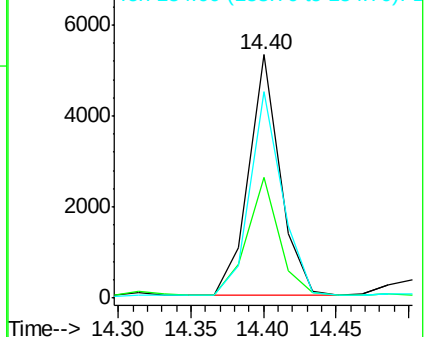
153 100

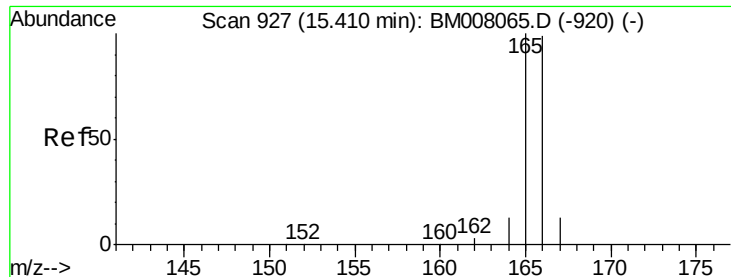
152 49.4 40.3 60.5

154 85.0 71.4 107.2



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: 1.79 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Instrument :

BNA_M

ClientSampleId :

A4WD7

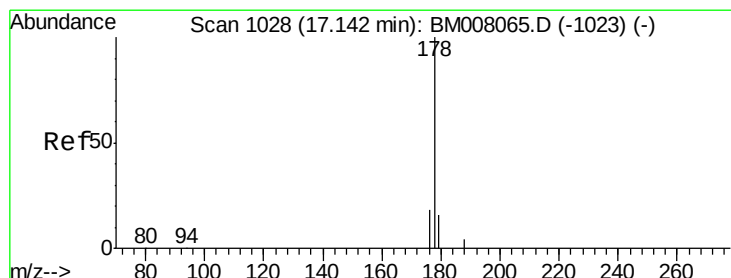
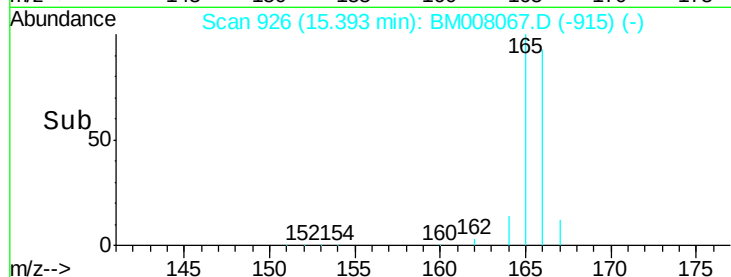
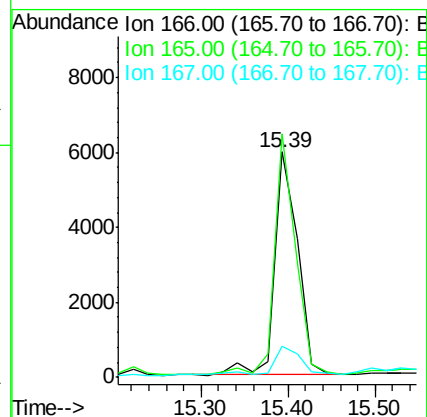
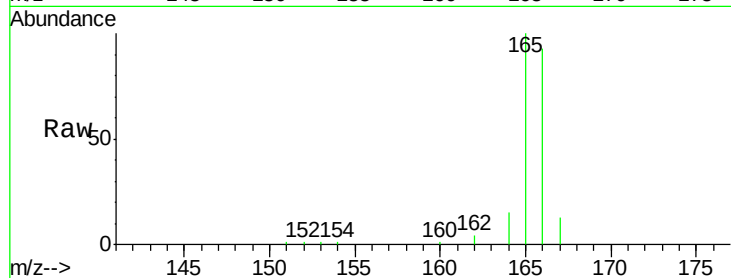
Tgt Ion:166 Resp: 11023

Ion Ratio Lower Upper

166 100

165 108.0 73.4 110.2

167 13.7 14.6 22.0#



#12

Phenanthrene

Concen: 0.26 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

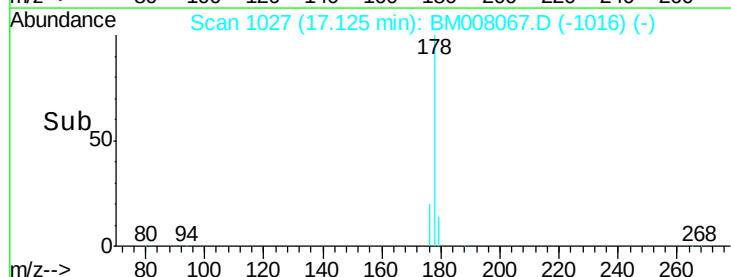
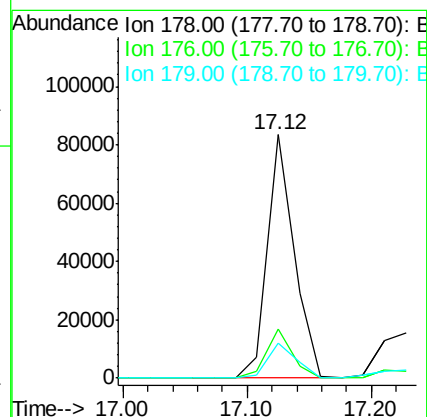
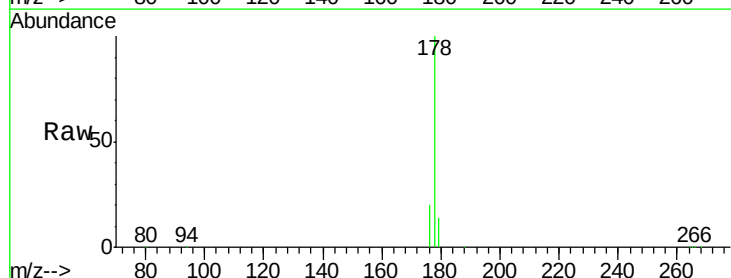
Tgt Ion:178 Resp: 124063

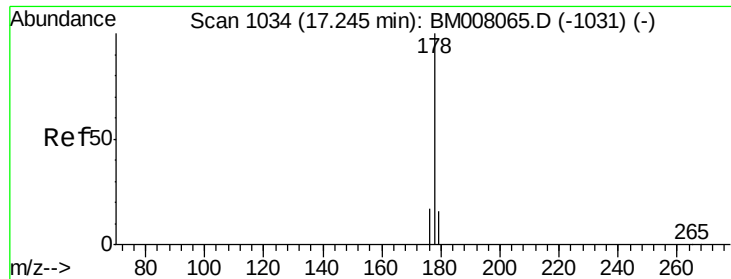
Ion Ratio Lower Upper

178 100

176 20.4 18.4 27.6

179 14.3 13.6 20.4





#13

Anthracene

Concen: 0.07 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Instrument :

BNA_M

ClientSampleId :

A4WD7

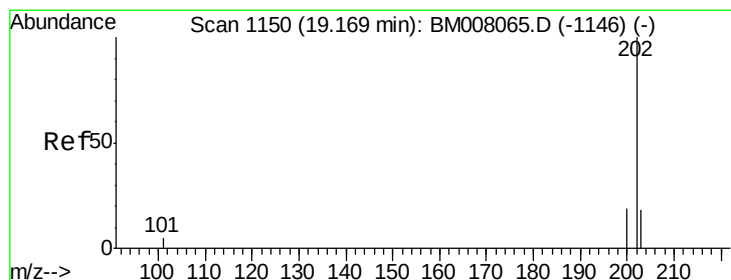
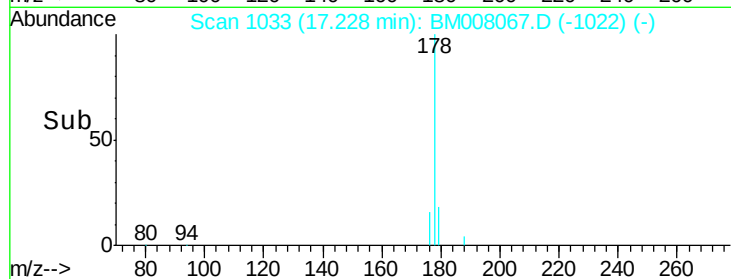
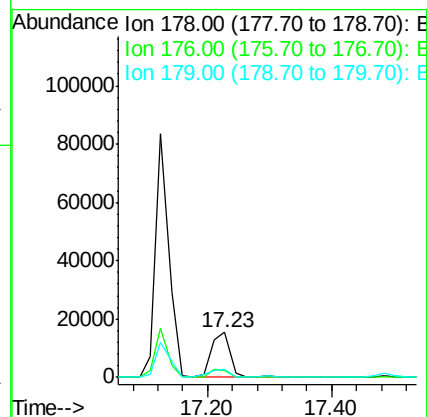
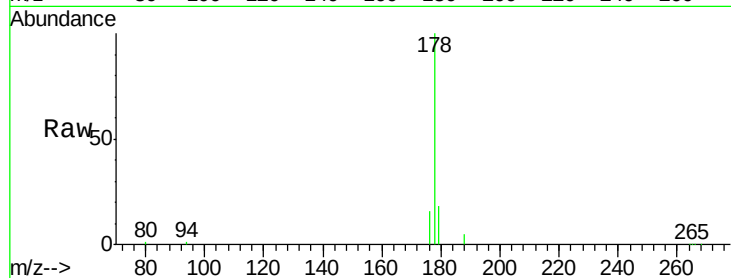
Tgt Ion:178 Resp: 32283

Ion Ratio Lower Upper

178 100

176 16.3 18.1 27.1#

179 18.0 14.7 22.1



#15

Fluoranthene

Concen: 0.27 ng/ul

RT: 19.15 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

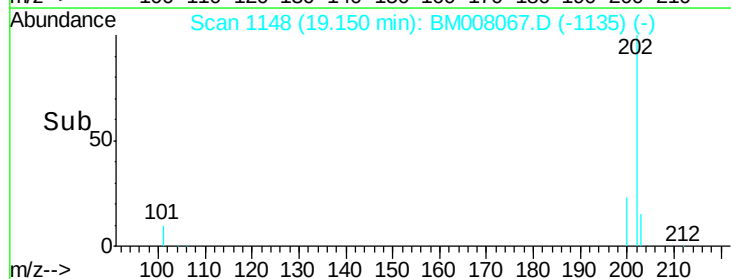
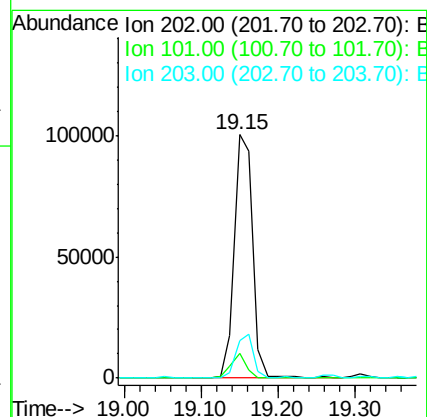
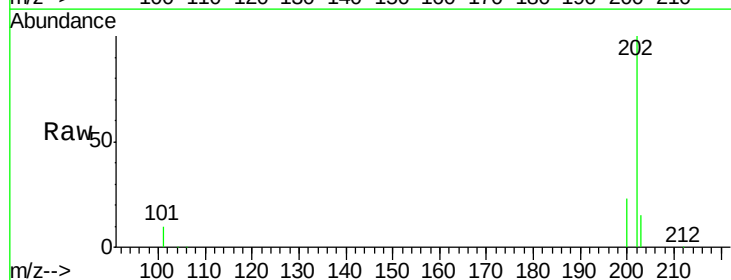
Tgt Ion:202 Resp: 164794

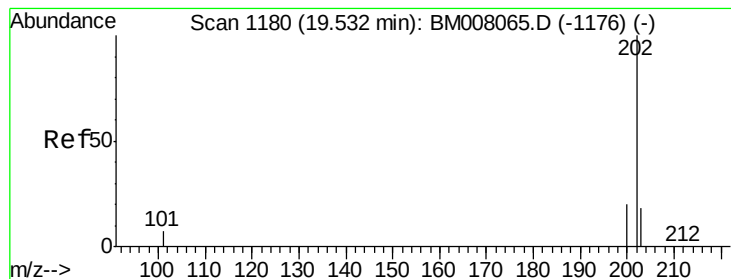
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.3

203 15.5 0.0 39.5





#17

Pyrene

Concen: 12.88 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Instrument :

BNA_M

ClientSampleId :

A4WD7

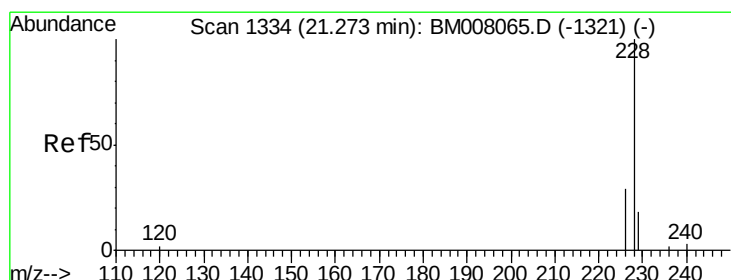
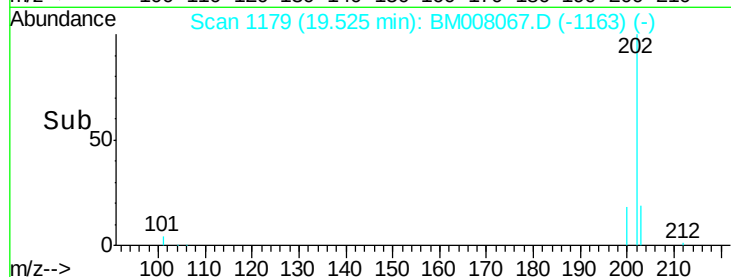
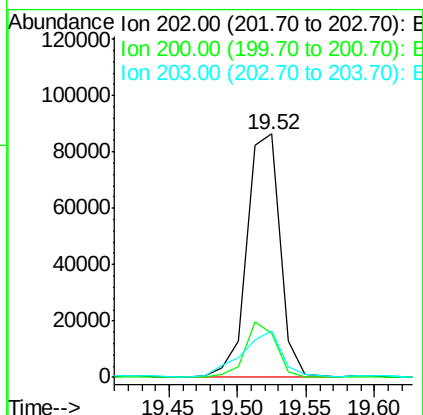
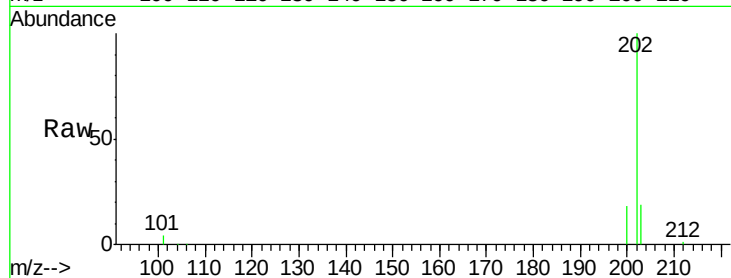
Tgt Ion:202 Resp: 144659

Ion Ratio Lower Upper

202 100

200 18.2 18.2 27.4#

203 19.1 15.6 23.4



#18

Benzo(a)anthracene

Concen: 8.17 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

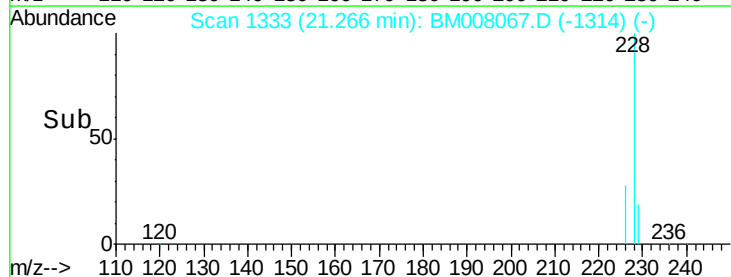
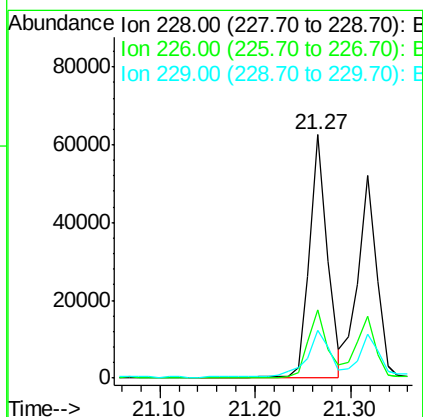
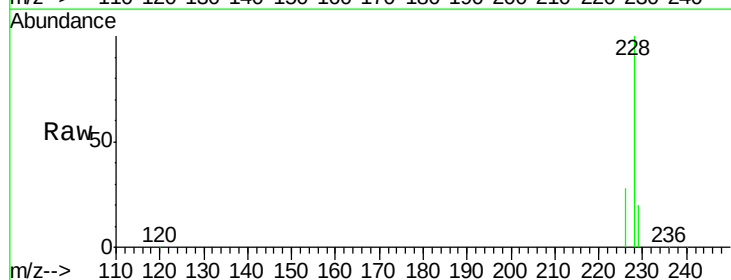
Tgt Ion:228 Resp: 81128

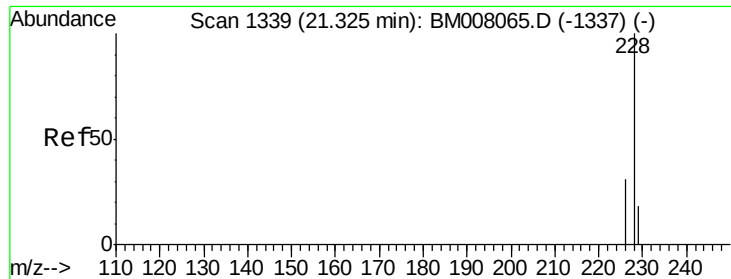
Ion Ratio Lower Upper

228 100

226 28.1 22.8 34.2

229 19.9 17.0 25.6





#19

Chrysene

Concen: 5.78 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Instrument :

BNA_M

ClientSampleId :

A4WD7

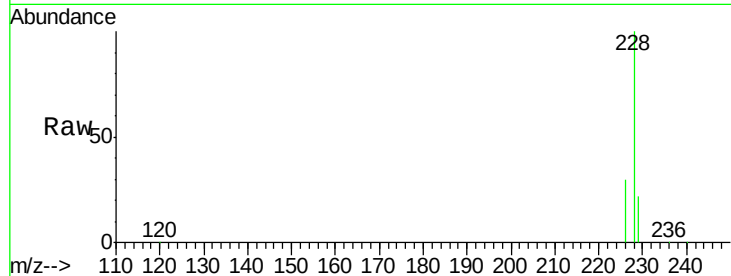
Tgt Ion:228 Resp: 71367

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

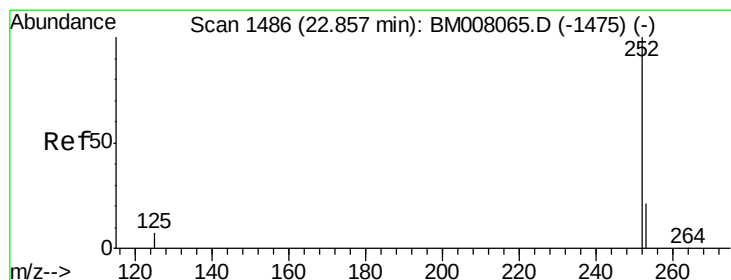
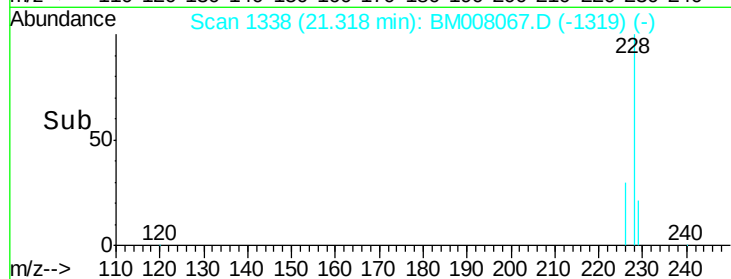
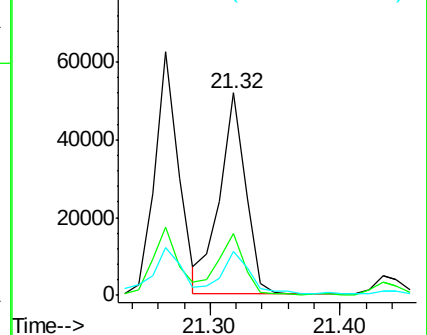
229 21.5 17.7 26.5



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: 0.10 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

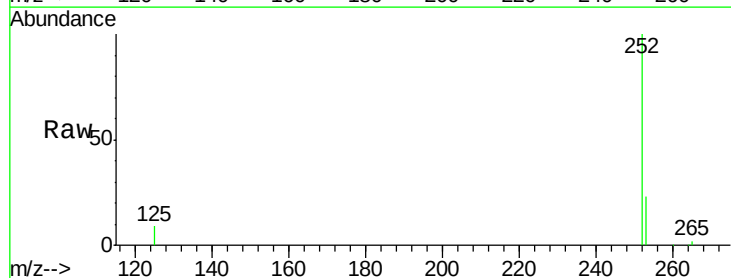
Tgt Ion:252 Resp: 64814

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

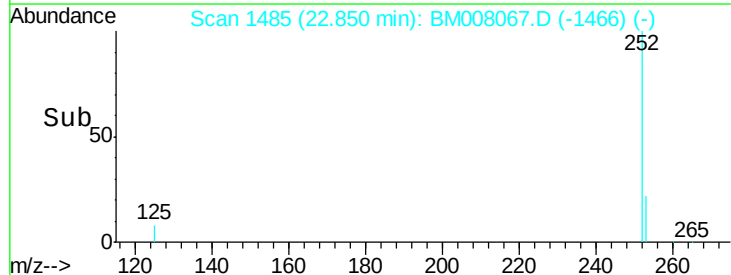
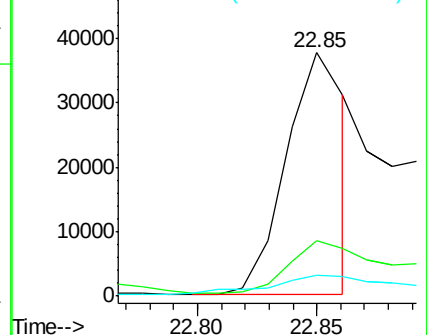
125 8.6 0.0 35.0

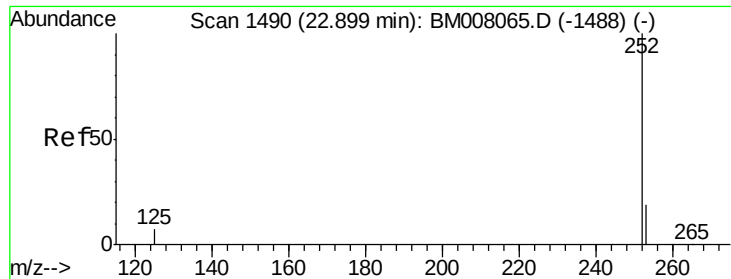


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.17 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.05 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Instrument :

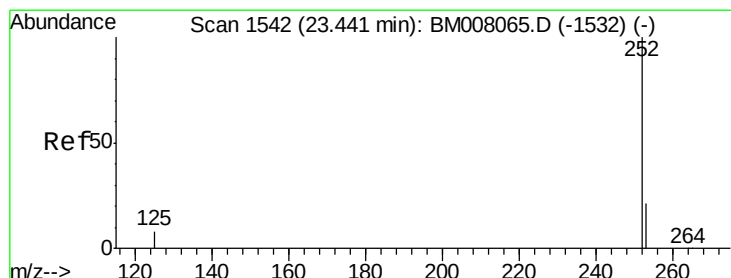
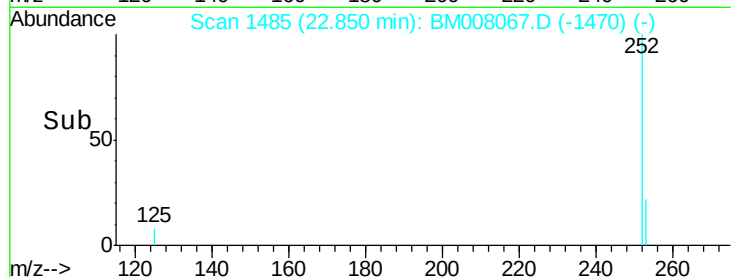
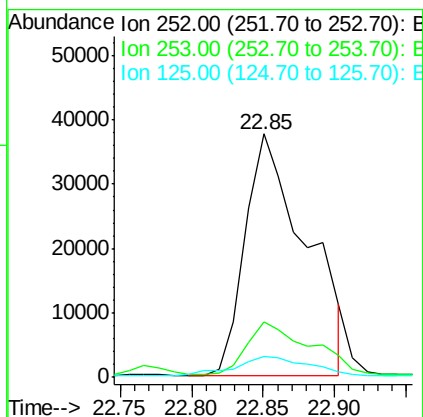
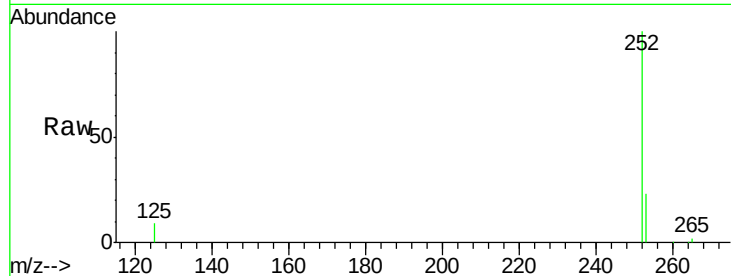
BNA_M

ClientSampleId :

A4WD7

Tgt Ion:252 Resp: 110864

Ion	Ratio	Lower	Upper
252	100		
253	22.7	24.5	36.7#
125	8.6	13.7	20.5#



#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.33 min Scan# 1531

Delta R.T. -0.11 min

Lab File: BM008067.D

Acq: 24 Nov 2016 10:55

Tgt Ion:252 Resp: 38702

Ion	Ratio	Lower	Upper
252	100		
253	23.7	28.5	42.7#
125	11.0	18.1	27.1#

