

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008697.D
 Acq On : 28 Dec 2016 17:18
 Operator : UM/SJ
 Sample : H5995-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA864

Quant Time: Dec 29 03:33:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	106	0.40	ng/ul	0.02
2) Naphthalene-d8	10.57	136	296323	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.31	164	7016	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.00	188	104076	0.40	ng/ul	-0.10
16) Chrysene-d12	21.14	240	2986	0.40	ng/ul	-0.14
20) Perylene-d12	23.36	264	61665	0.40	ng/ul	-0.16

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.24	152	3911	0.01	ng/ul	0.07
14) Fluoranthene-d10	19.08	212	30191	0.11	ng/ul	-0.06

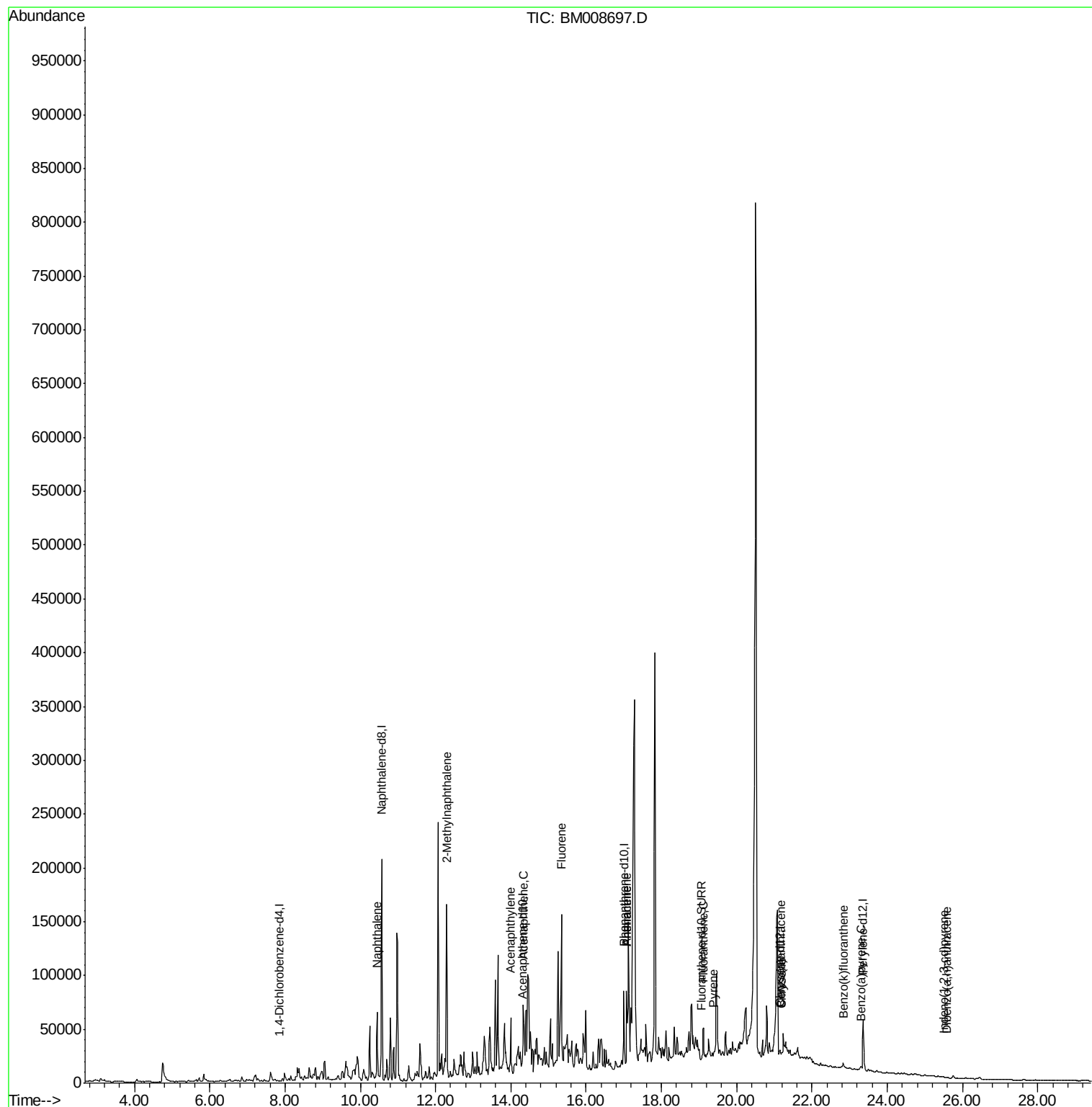
Target Compounds				Qvalue		
3) Naphthalene	10.45	128	57502	0.07	ng/ul	93
5) 2-Methylnaphthalene	12.30	142	117611	0.21	ng/ul	99
7) Acenaphthylene	14.00	152	8603	0.27	ng/ul#	29
8) Acenaphthene	14.33	153	20613	0.86	ng/ul	88
9) Fluorene	15.34	166	92690	3.40	ng/ul	95
12) Phenanthrene	17.07	178	151569	0.48	ng/ul#	91
13) Anthracene	17.07	178	146993	0.48	ng/ul	92
15) Fluoranthene	19.13	202	31437	0.08	ng/ul	72
17) Pyrene	19.39	202	4286	0.37	ng/ul#	1
18) Benzo(a)anthracene	21.16	228	1077	0.11	ng/ul#	1
19) Chrysene	21.19	228	1013	0.09	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	9140	0.04	ng/ul#	22
23) Benzo(a)pyrene	23.31	252	5626	0.02	ng/ul#	31
24) Indeno(1,2,3-cd)pyrene	25.51	276	7051	0.03	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.59	278	6463	0.03	ng/ul#	1

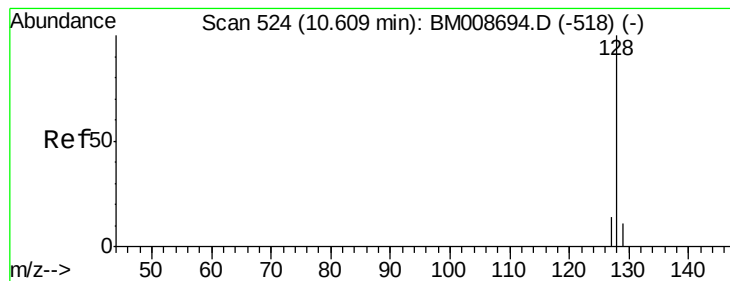
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.45 min Scan# 511

Delta R.T. -0.16 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA864

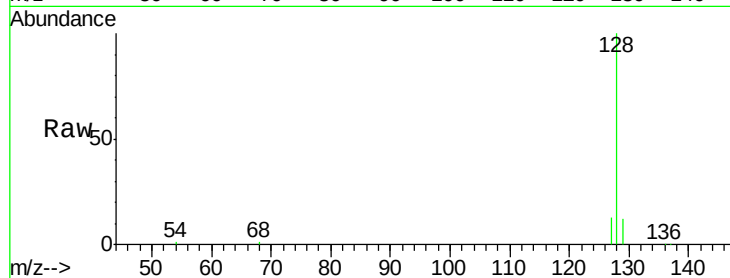
Tgt Ion:128 Resp: 57502

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

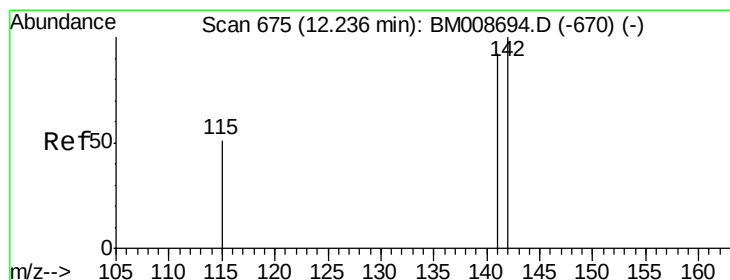
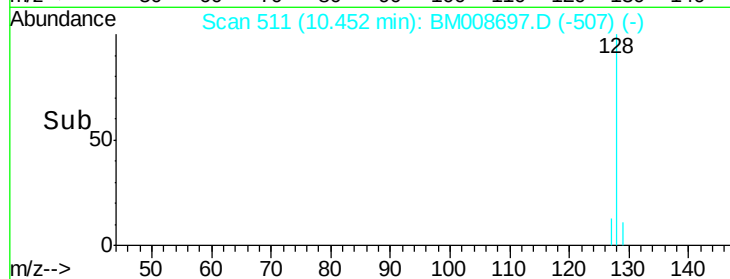
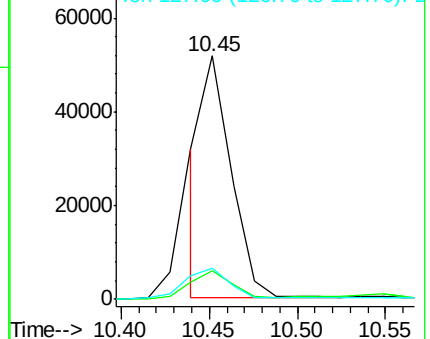
127 12.9 12.8 19.2



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: 0.21 ng/ul

RT: 12.30 min Scan# 681

Delta R.T. 0.06 min

Lab File: BM008697.D

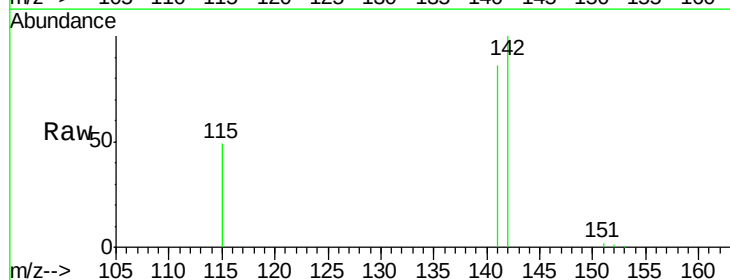
Acq: 28 Dec 2016 17:18

Tgt Ion:142 Resp: 117611

Ion Ratio Lower Upper

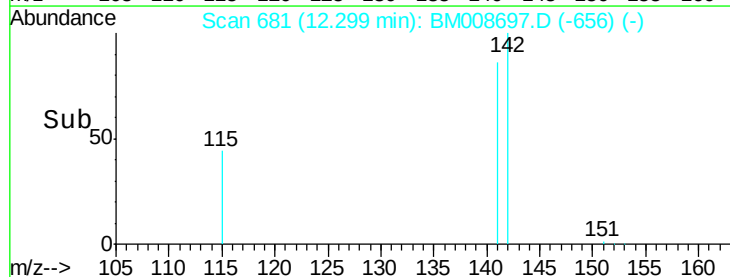
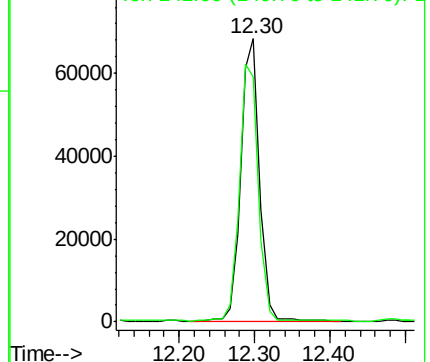
142 100

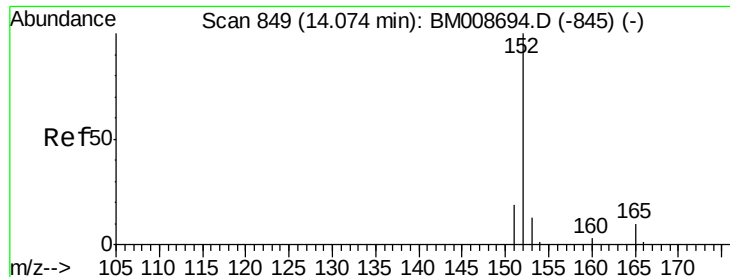
141 91.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.27 ng/ul

RT: 14.00 min Scan# 844

Delta R.T. -0.08 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

Instrument :

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DA864

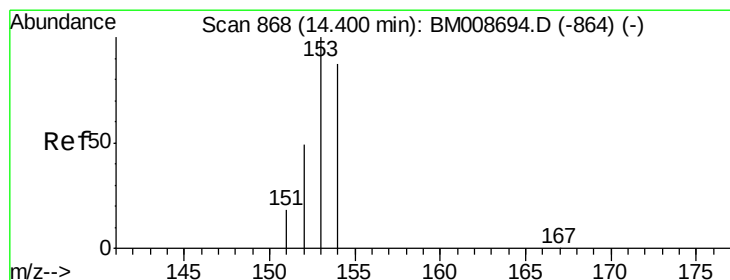
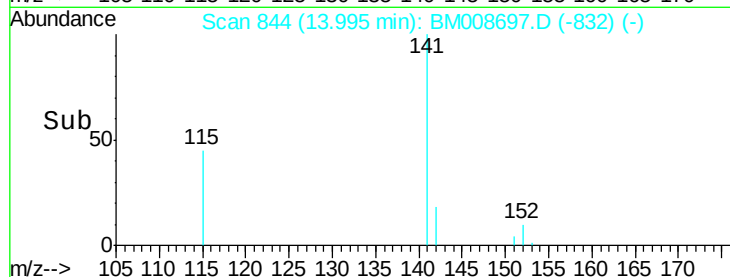
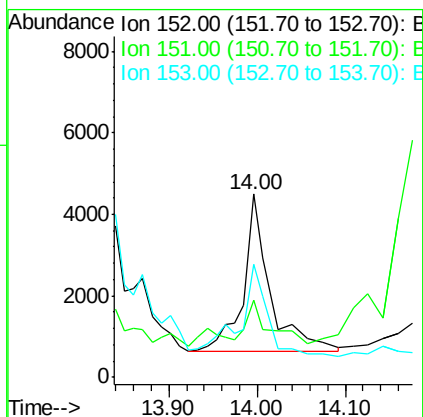
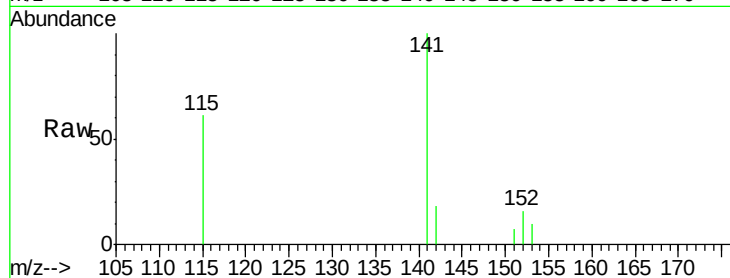
Tgt Ion:152 Resp: 8603

Ion Ratio Lower Upper

152 100

151 41.8 17.1 25.7#

153 61.7 12.8 19.2#



#8

Acenaphthene

Concen: 0.86 ng/ul

RT: 14.33 min Scan# 864

Delta R.T. -0.07 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

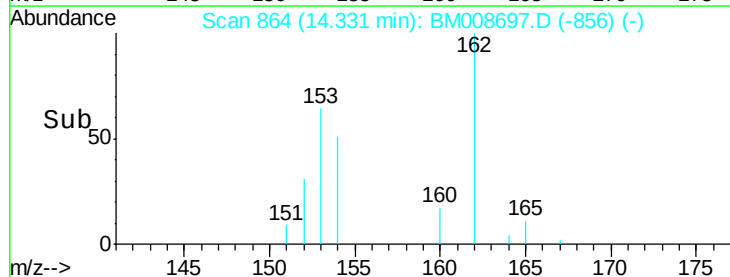
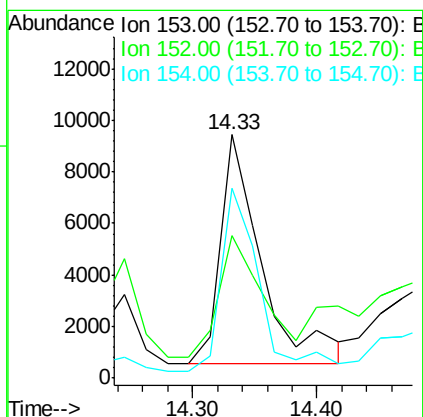
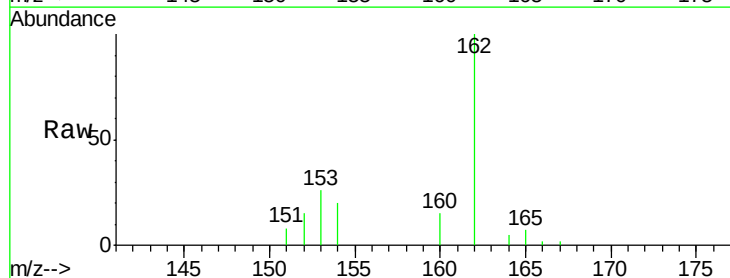
Tgt Ion:153 Resp: 20613

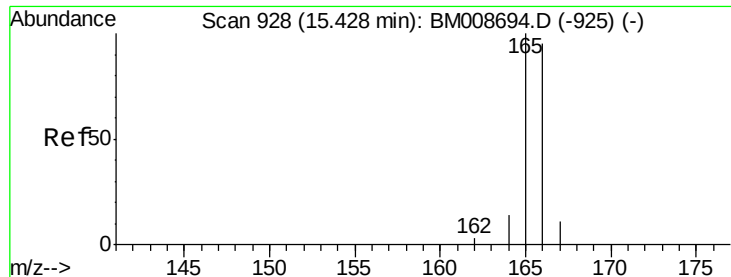
Ion Ratio Lower Upper

153 100

152 58.6 40.3 60.5

154 78.0 71.4 107.2

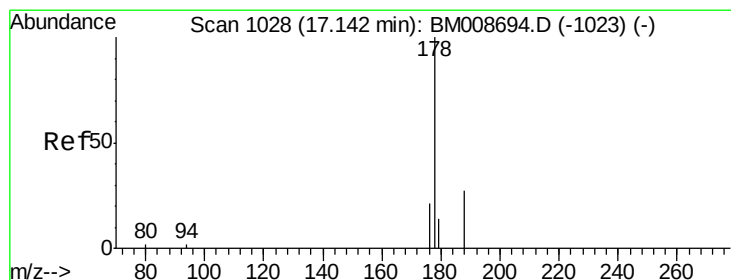
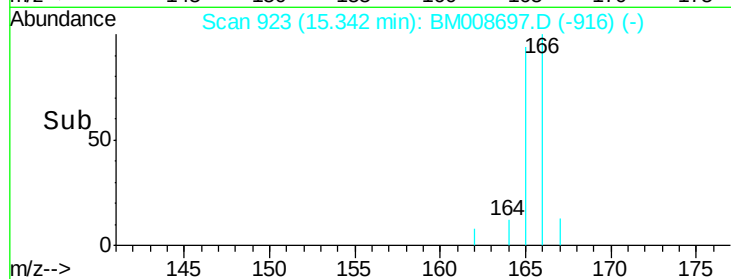
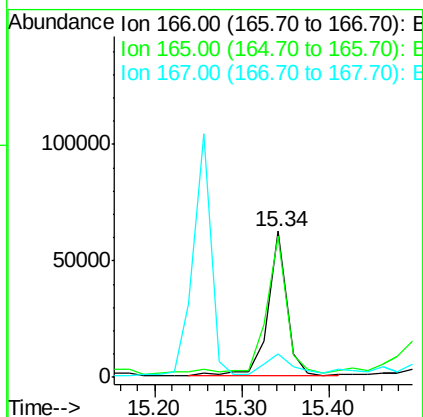
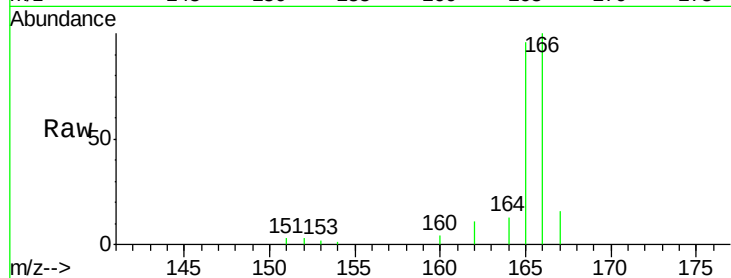




#9
Fluorene
 Concen: 3.40 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.09 min
 Lab File: BM008697.D
 Acq: 28 Dec 2016 17:18

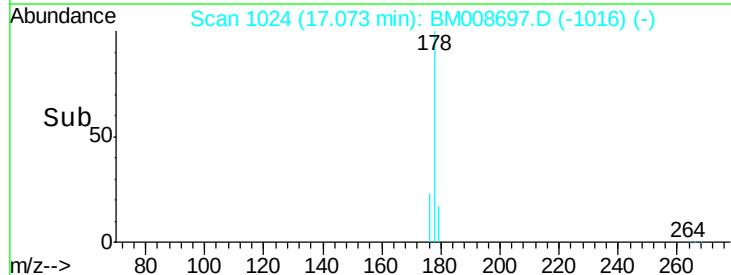
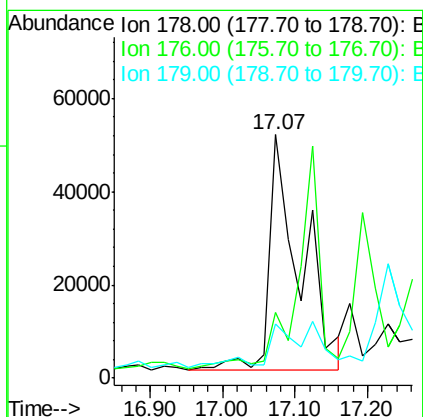
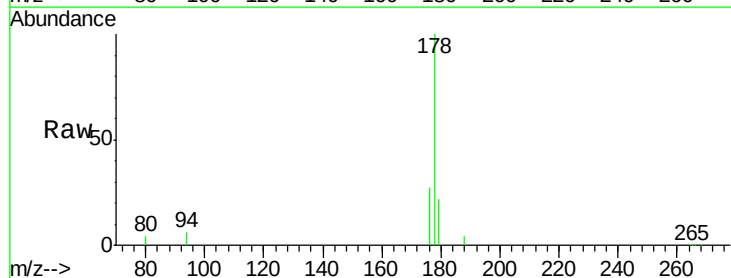
Instrument :
 BNA_M
 ClientSampleId :
 DA864

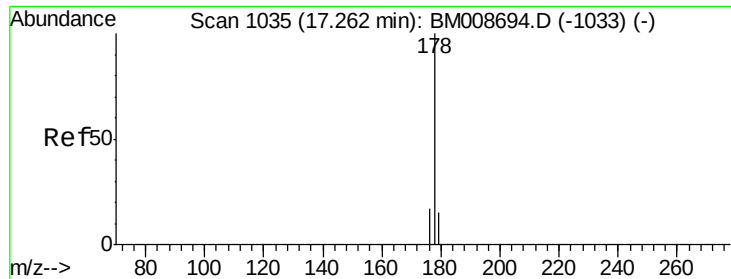
Tgt Ion:166 Resp: 92690
 Ion Ratio Lower Upper
 166 100
 165 96.5 73.4 110.2
 167 16.3 14.6 22.0



#12
Phenanthrene
 Concen: 0.48 ng/ul
 RT: 17.07 min Scan# 1024
 Delta R.T. -0.07 min
 Lab File: BM008697.D
 Acq: 28 Dec 2016 17:18

Tgt Ion:178 Resp: 151569
 Ion Ratio Lower Upper
 178 100
 176 26.8 18.4 27.6
 179 22.0 13.6 20.4#





#13

Anthracene

Concen: 0.48 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.19 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA864

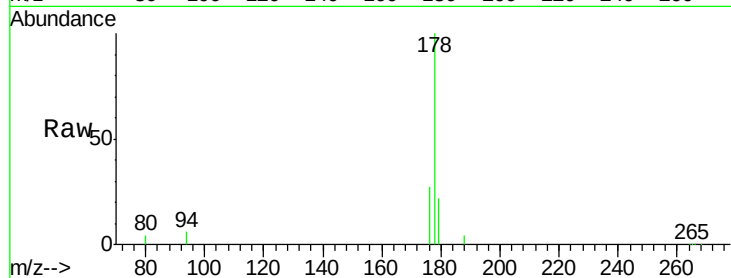
Tgt Ion:178 Resp: 146993

Ion Ratio Lower Upper

178 100

176 26.8 18.1 27.1

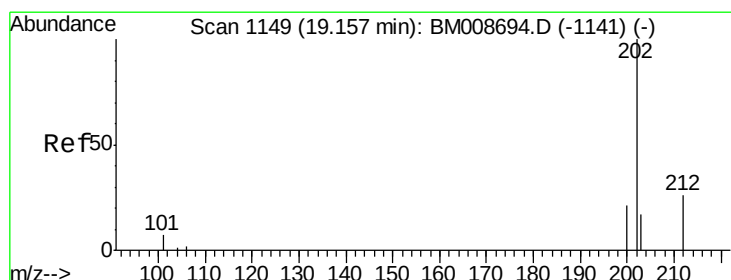
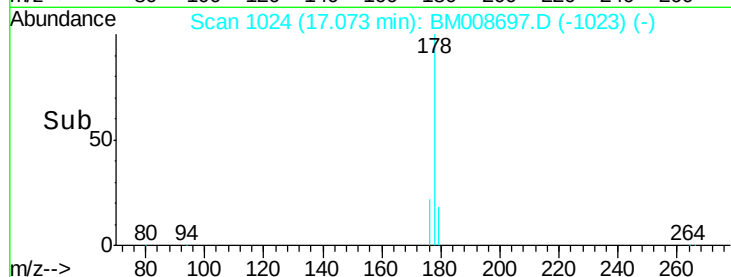
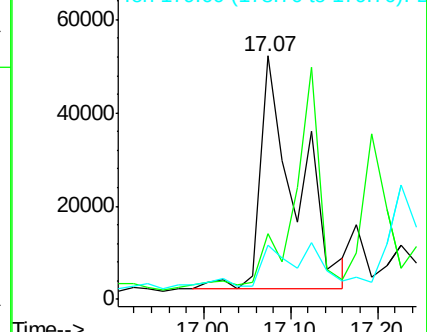
179 22.0 14.7 22.1



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: 0.08 ng/ul

RT: 19.13 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

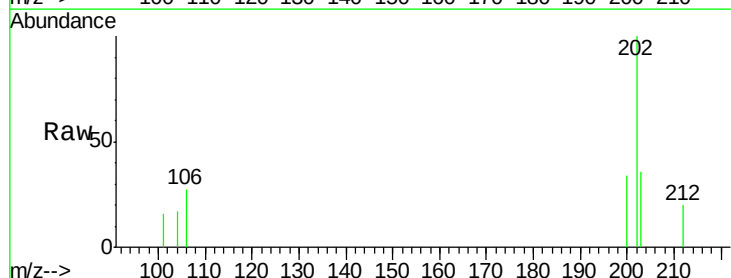
Tgt Ion:202 Resp: 31437

Ion Ratio Lower Upper

202 100

101 15.6 0.0 30.3

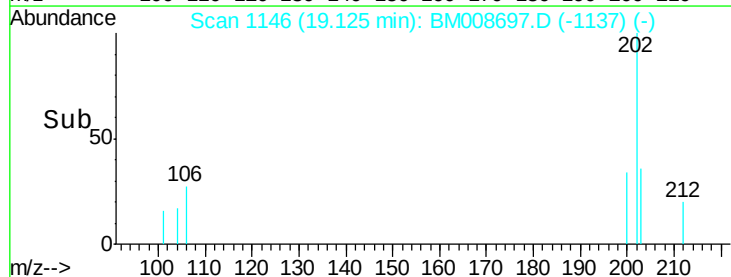
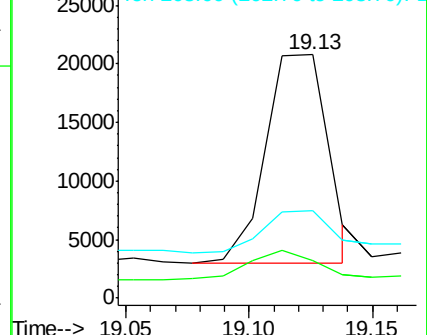
203 35.7 0.0 39.5

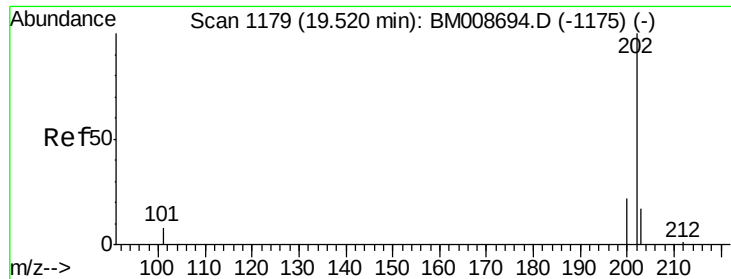


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

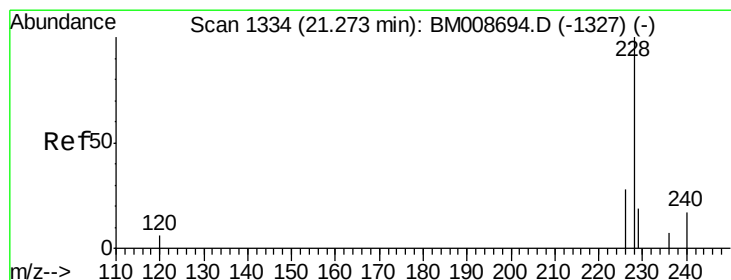
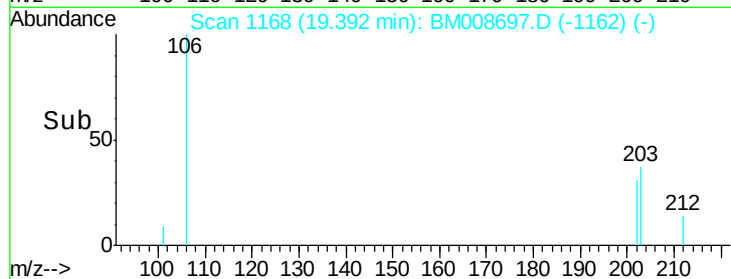
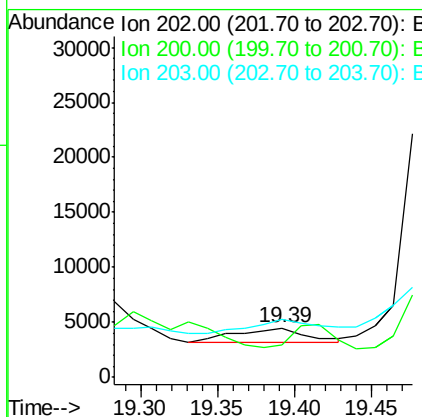
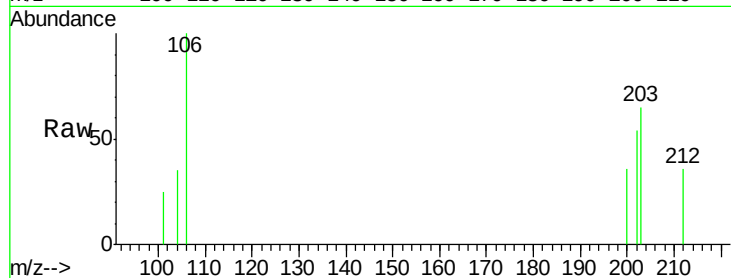




#17
 Pyrene
 Concen: 0.37 ng/ul
 RT: 19.39 min Scan# 1168
 Delta R.T. -0.13 min
 Lab File: BM008697.D
 Acq: 28 Dec 2016 17:18

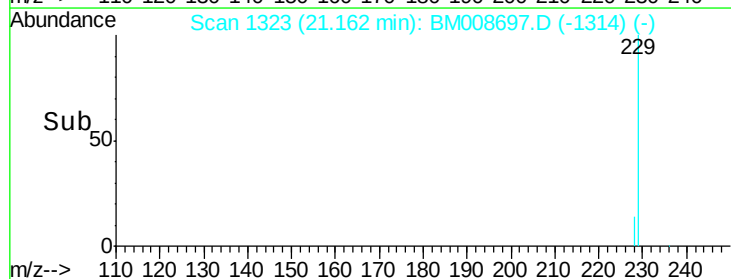
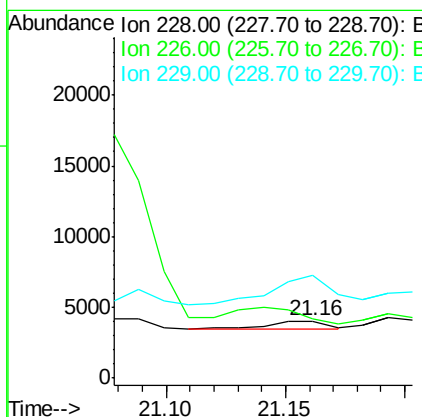
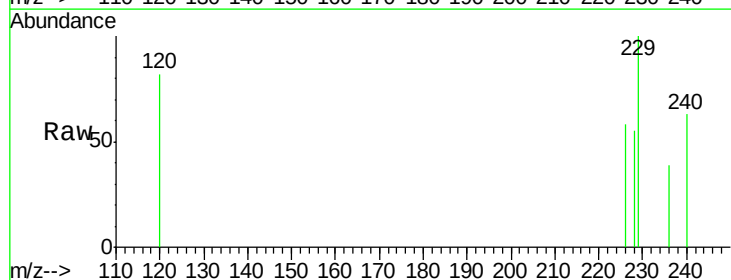
Instrument :
 BNA_M
 ClientSampleId :
 DA864

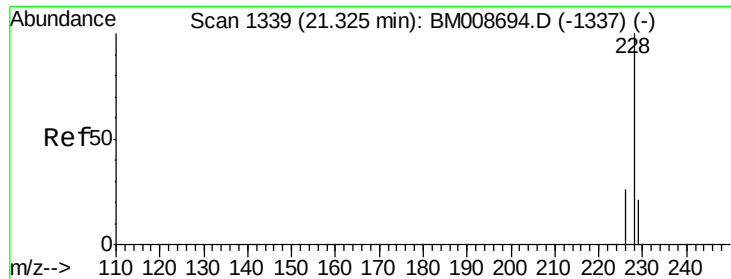
Tgt Ion: 202 Resp: 4286
 Ion Ratio Lower Upper
 202 100
 200 66.0 18.2 27.4#
 203 118.7 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.11 ng/ul
 RT: 21.16 min Scan# 1323
 Delta R.T. -0.11 min
 Lab File: BM008697.D
 Acq: 28 Dec 2016 17:18

Tgt Ion: 228 Resp: 1077
 Ion Ratio Lower Upper
 228 100
 226 104.3 22.8 34.2#
 229 180.8 17.0 25.6#





#19

Chrysene

Concen: 0.09 ng/ul

RT: 21.19 min Scan# 1326

Delta R.T. -0.13 min

Lab File: BM008697.D

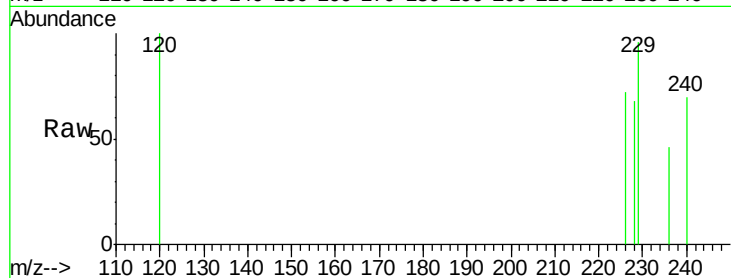
Acq: 28 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA864



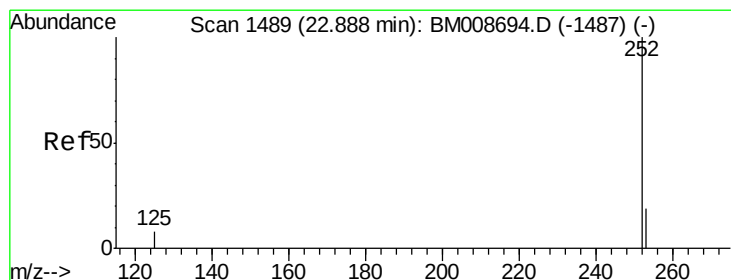
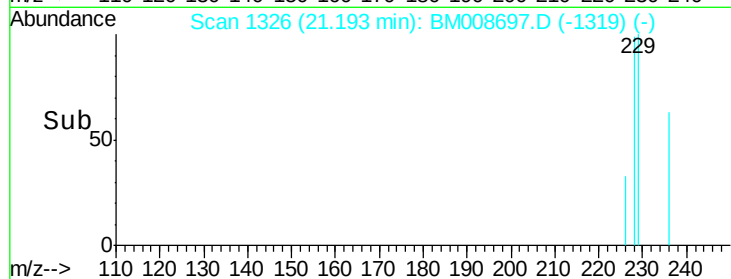
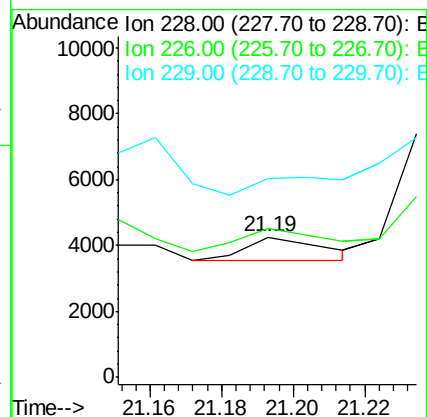
Tgt Ion:228 Resp: 1013

Ion Ratio Lower Upper

228 100

226 105.9 23.4 35.0#

229 141.2 17.7 26.5#



#22

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.06 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

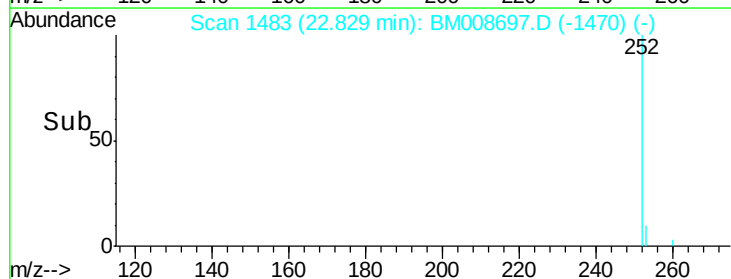
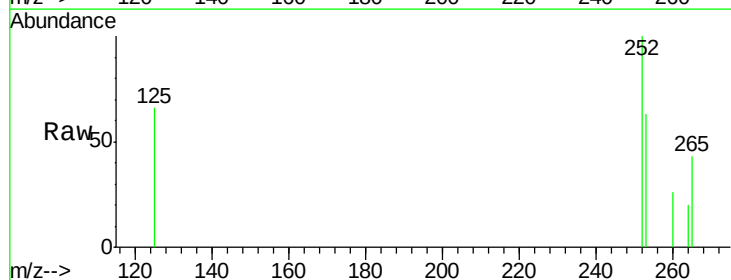
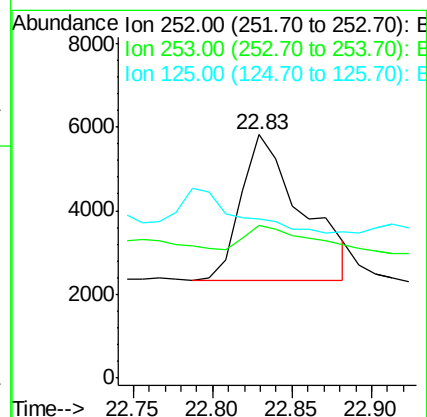
Tgt Ion:252 Resp: 9140

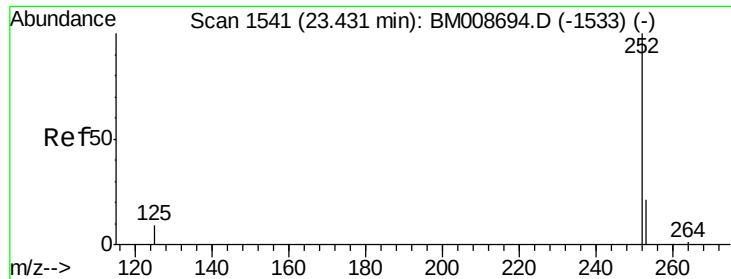
Ion Ratio Lower Upper

252 100

253 62.7 24.5 36.7#

125 65.5 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.31 min Scan# 1529

Delta R.T. -0.12 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA864

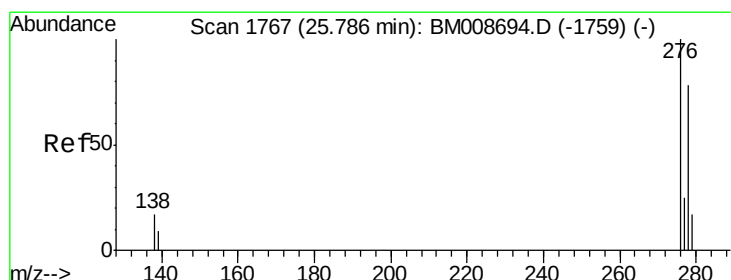
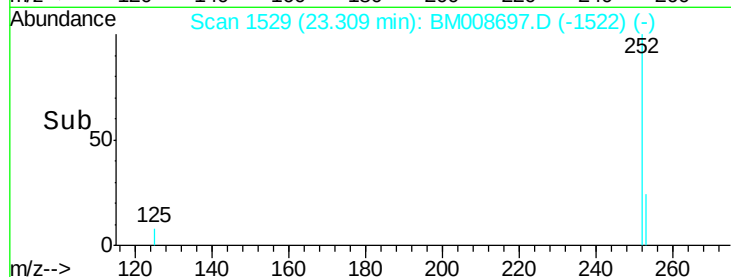
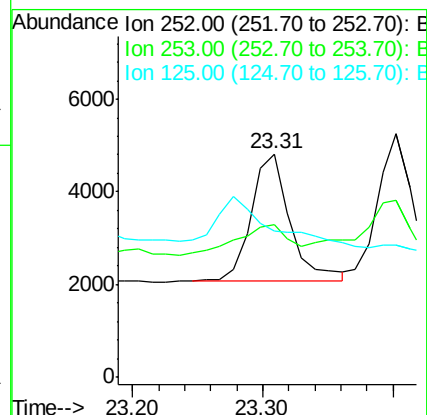
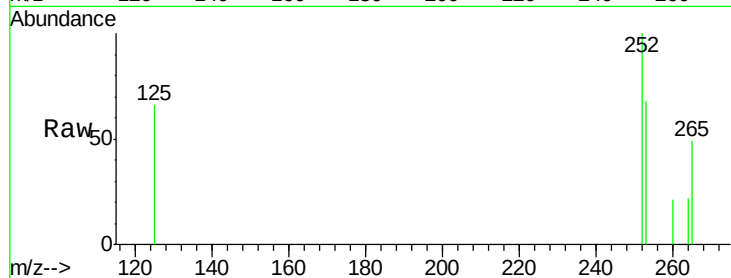
Tgt Ion: 252 Resp: 5626

Ion Ratio Lower Upper

252 100

253 68.3 28.5 42.7#

125 65.7 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng/ul

RT: 25.51 min Scan# 1740

Delta R.T. -0.28 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

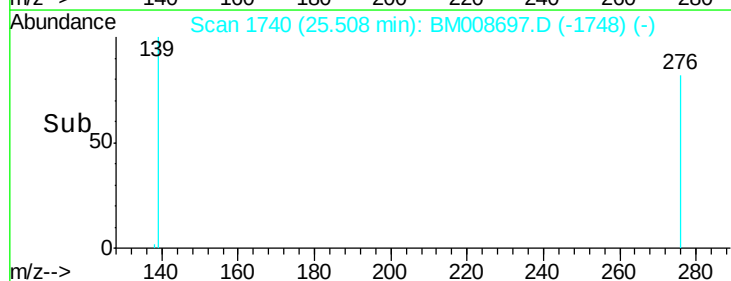
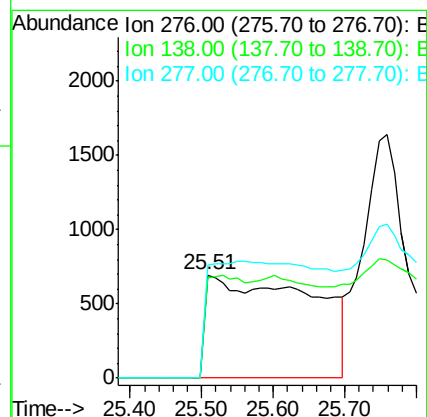
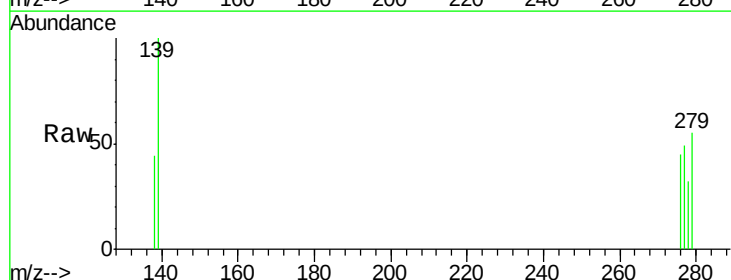
Tgt Ion: 276 Resp: 7051

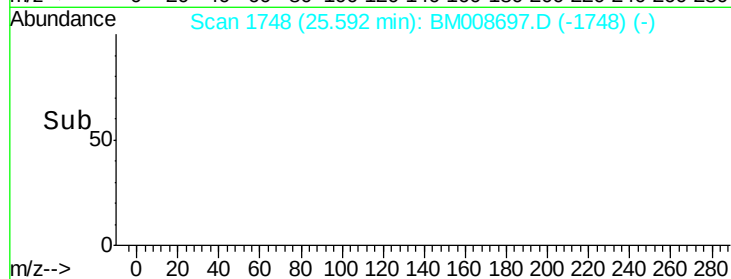
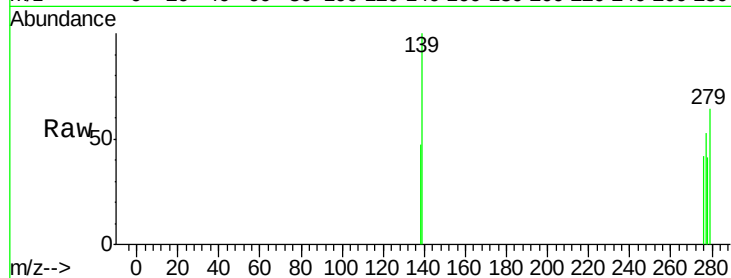
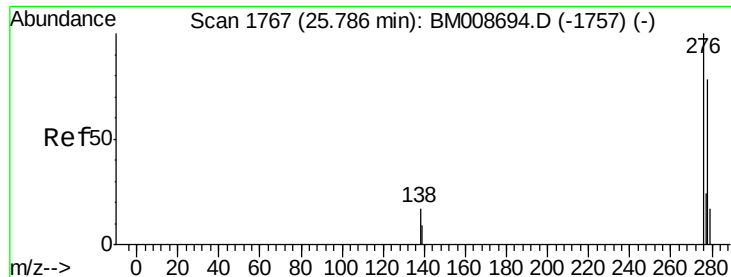
Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

277 0.0 19.6 29.4#





#25

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 25.59 min Scan# 1748

Delta R.T. -0.19 min

Lab File: BM008697.D

Acq: 28 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA864

Tgt Ion: 278 Resp: 6463

Ion Ratio Lower Upper

278 100

139 243.0 17.4 26.0#

279 156.7 25.9 38.9#

