

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Quant Time: Dec 29 05:06:41 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	7.87	152	9	0.40	ng/ul	0.05
2) Naphthalene-d8	10.60	136	78	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.28	164	931	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.14	188	71230	0.40	ng/ul	0.03
16) Chrysene-d12	21.25	240	1679	0.40	ng/ul	-0.03
20) Perylene-d12	23.48	264	2087	0.40	ng/ul	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.23	152	42	0.35	ng/ul	0.06
14) Fluoranthene-d10	19.19	212	54	0.00	ng/ul	0.06

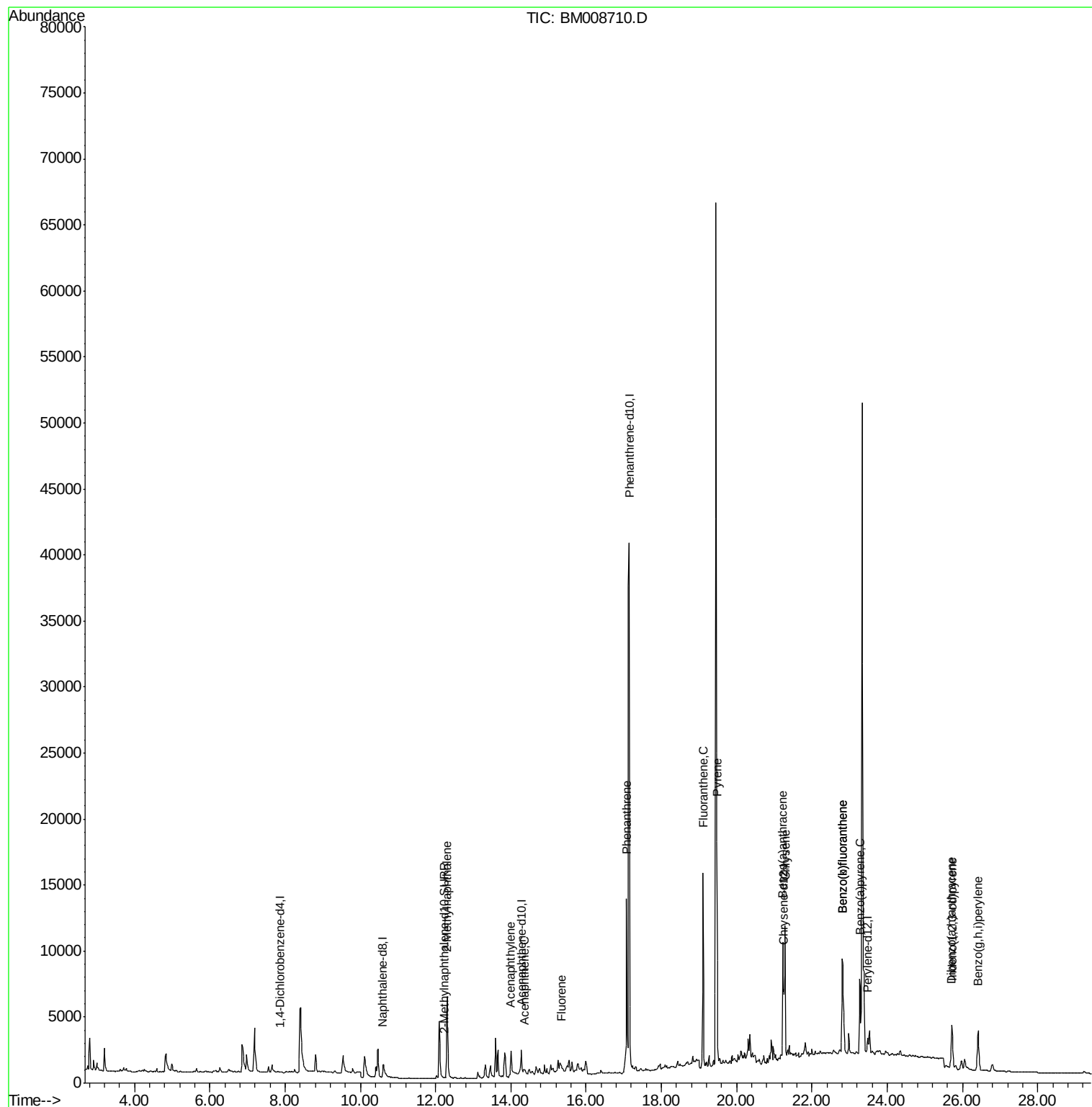
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) 2-Methylnaphthalene	12.31	142	5237	35.46	ng/ul	98
7) Acenaphthylene	14.00	152	1616	0.38	ng/ul#	80
8) Acenaphthene	14.35	153	325	0.10	ng/ul#	75
9) Fluorene	15.34	166	424	0.12	ng/ul#	72
12) Phenanthrene	17.07	178	14099	0.06	ng/ul	96
15) Fluoranthene	19.11	202	14088	0.05	ng/ul	96
17) Pyrene	19.47	202	15506	2.39	ng/ul	99
18) Benzo(a)anthracene	21.23	228	9164	1.66	ng/ul#	89
19) Chrysene	21.28	228	10212	1.69	ng/ul#	90
21) Benzo(b)fluoranthene	22.81	252	16170	1.97	ng/ul	91
22) Benzo(k)fluoranthene	22.81	252	16170	2.02	ng/ul	93
23) Benzo(a)pyrene	23.27	252	8212	1.08	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.72	276	5974	0.66	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.71	278	1595	0.22	ng/ul#	55
26) Benzo(g,h,i)perylene	26.41	276	6574	0.84	ng/ul	94

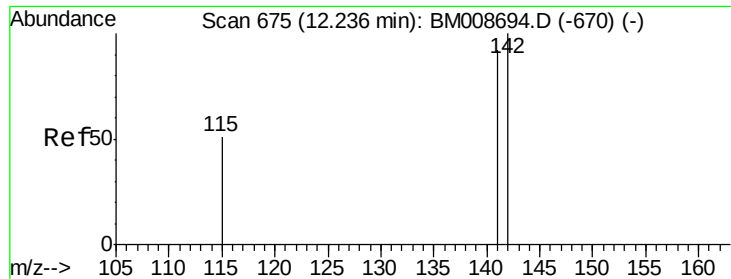
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 35.46 ng/ul

RT: 12.31 min Scan# 682

Delta R.T. 0.07 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

Instrument :

BNA_M

ClientSampleId :

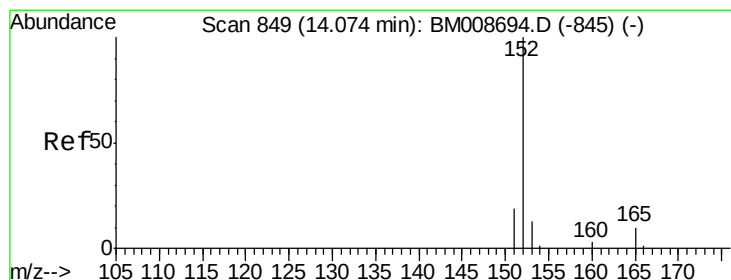
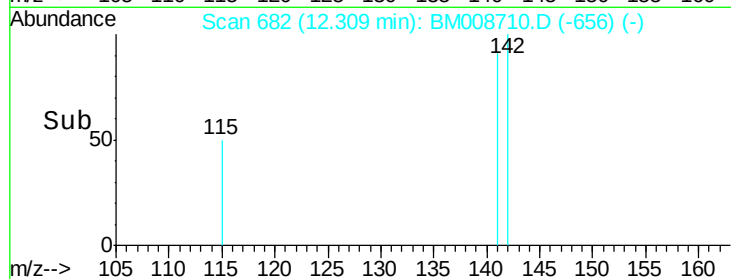
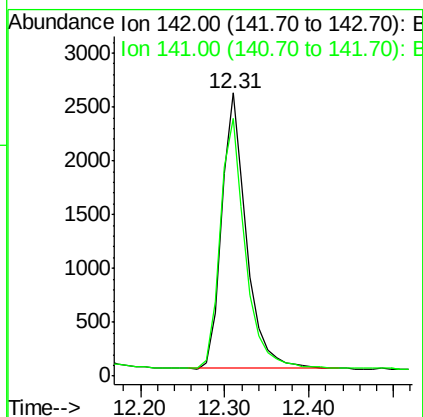
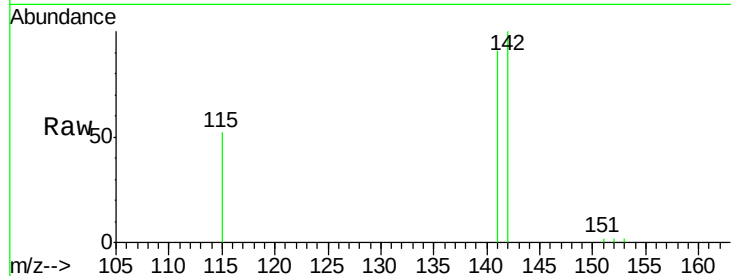
DA7G5

Tgt Ion:142 Resp: 5237

Ion Ratio Lower Upper

142 100

141 92.6 72.6 108.8



#7

Acenaphthylene

Concen: 0.38 ng/ul

RT: 14.00 min Scan# 844

Delta R.T. -0.08 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

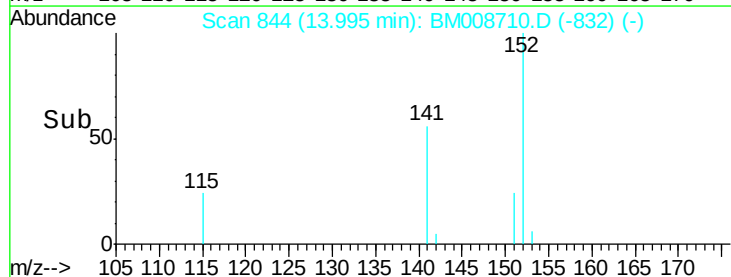
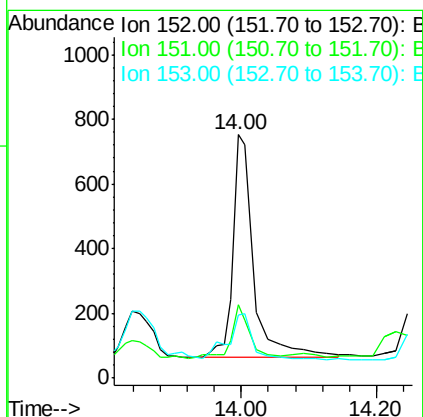
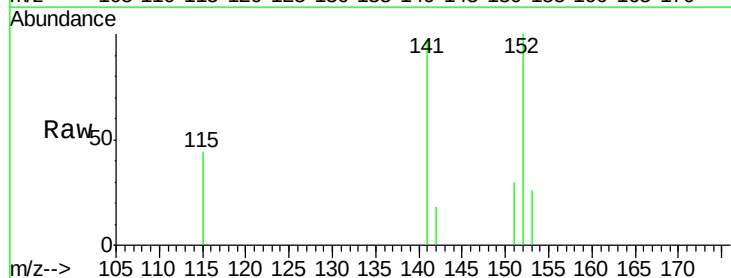
Tgt Ion:152 Resp: 1616

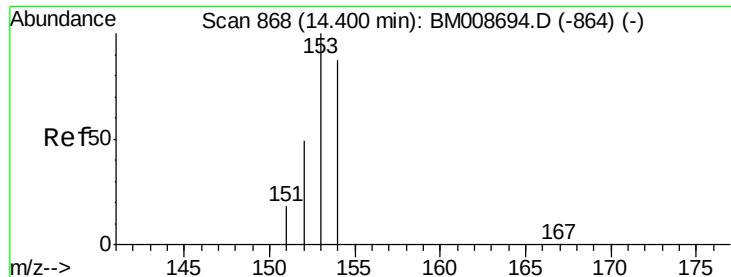
Ion Ratio Lower Upper

152 100

151 30.3 17.1 25.7#

153 25.6 12.8 19.2#





#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.05 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

Instrument :

BNA_M

ClientSampleId :

DA7G5

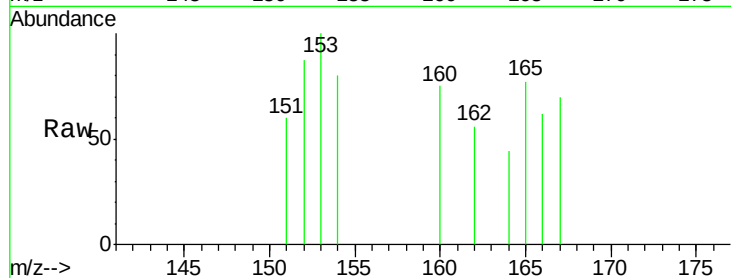
Tgt Ion:153 Resp: 325

Ion Ratio Lower Upper

153 100

152 87.3 40.3 60.5#

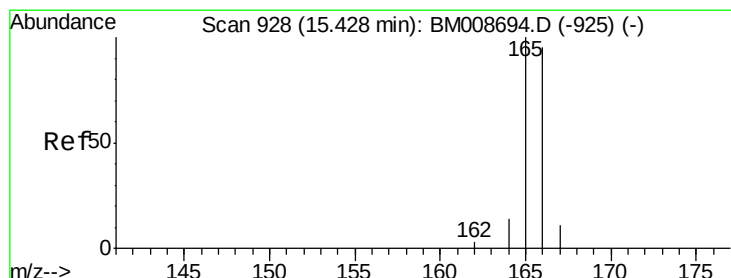
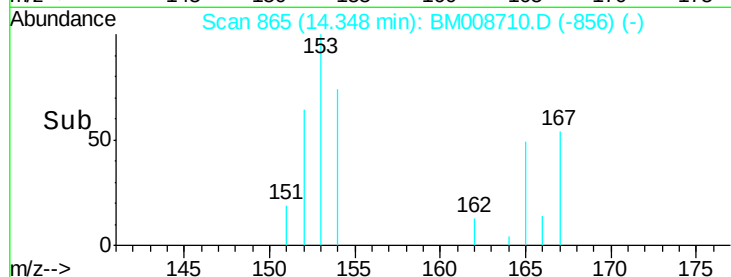
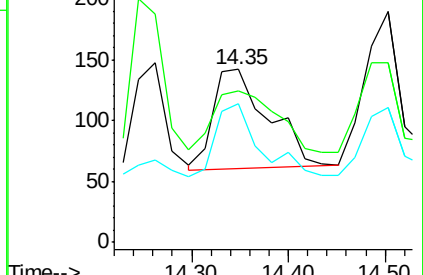
154 80.3 71.4 107.2



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: 0.12 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.09 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

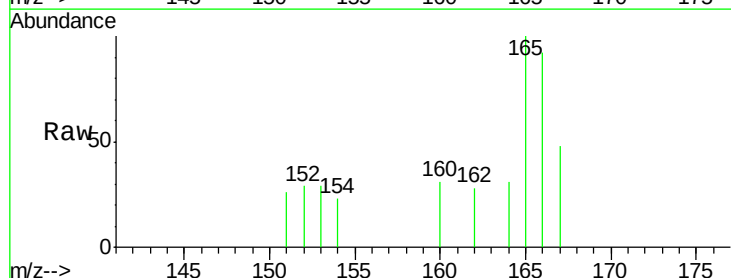
Tgt Ion:166 Resp: 424

Ion Ratio Lower Upper

166 100

165 108.9 73.4 110.2

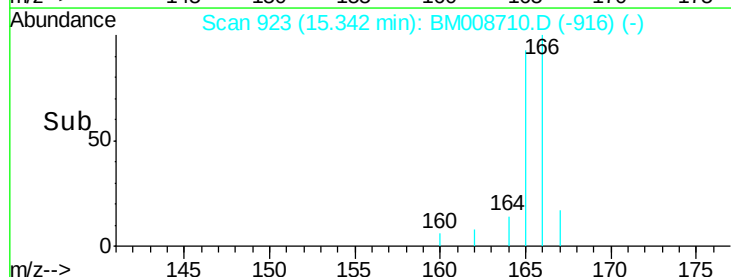
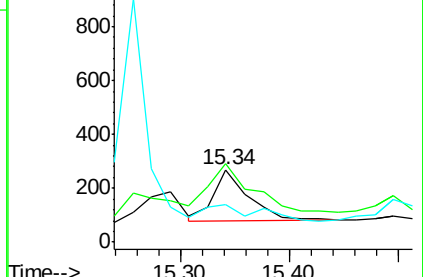
167 52.4 14.6 22.0#

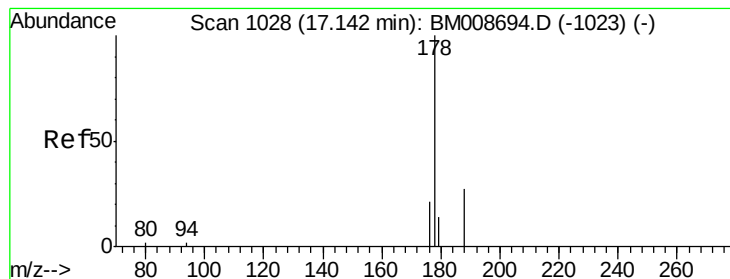


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.07 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

Instrument :

BNA_M

ClientSampleId :

DA7G5

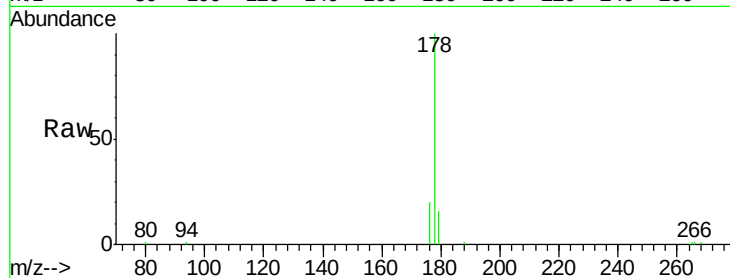
Tgt Ion:178 Resp: 14099

Ion Ratio Lower Upper

178 100

176 20.4 18.4 27.6

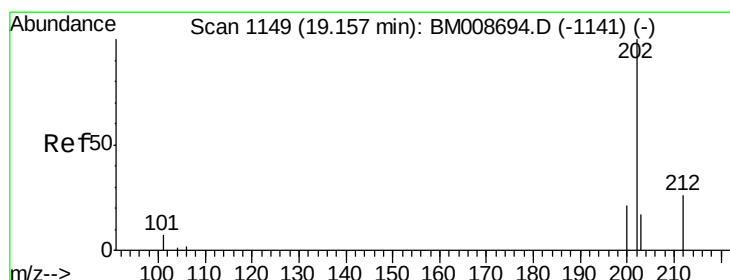
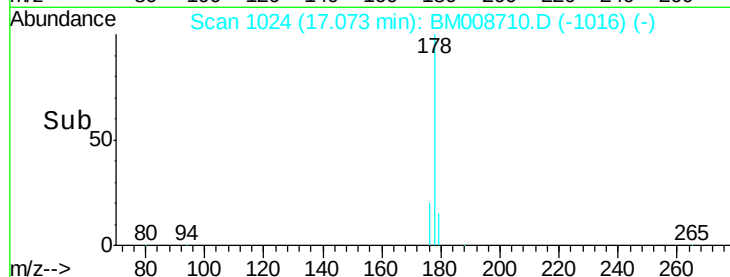
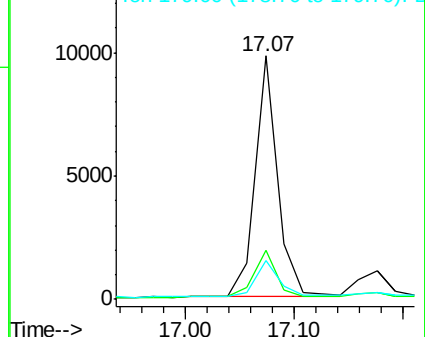
179 16.0 13.6 20.4



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: 0.05 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

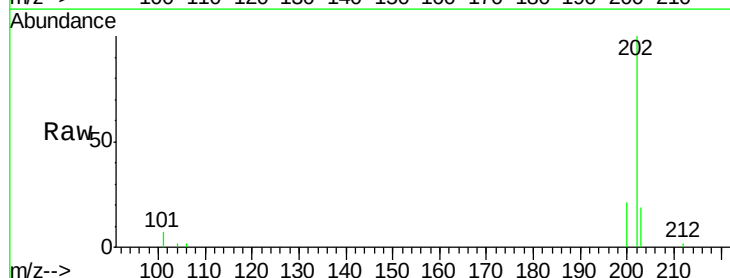
Tgt Ion:202 Resp: 14088

Ion Ratio Lower Upper

202 100

101 7.2 0.0 30.3

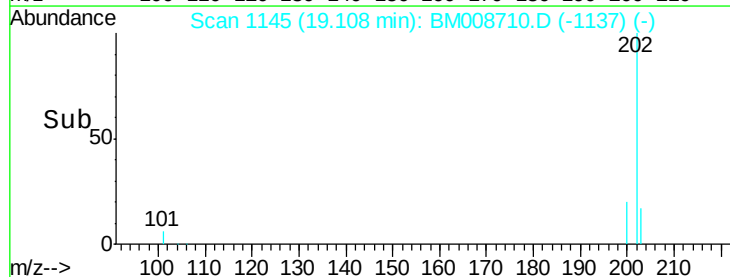
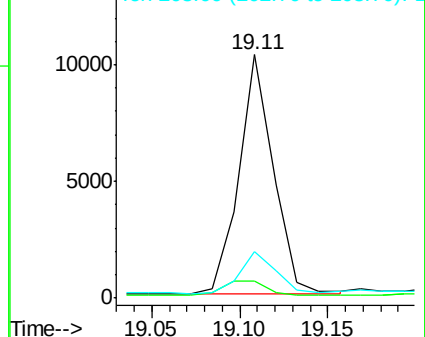
203 19.1 0.0 39.5

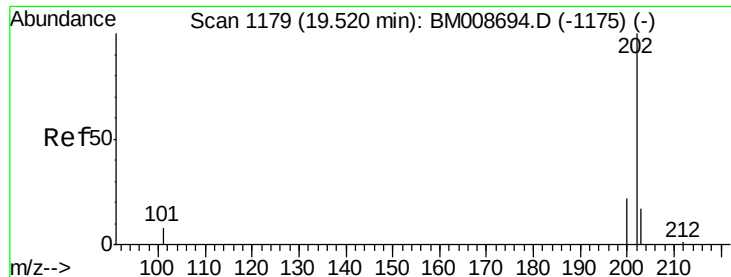


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

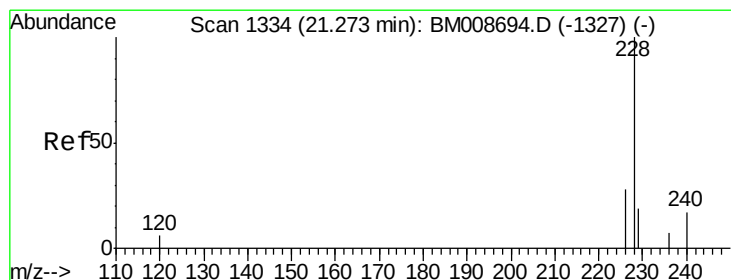
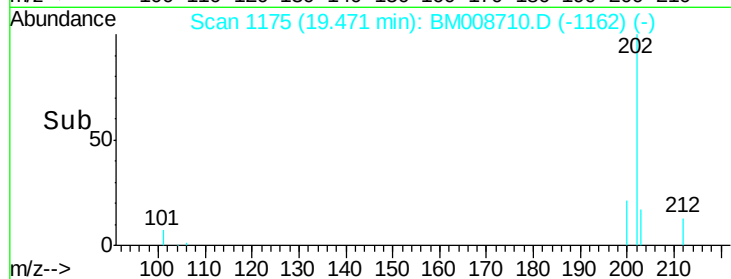
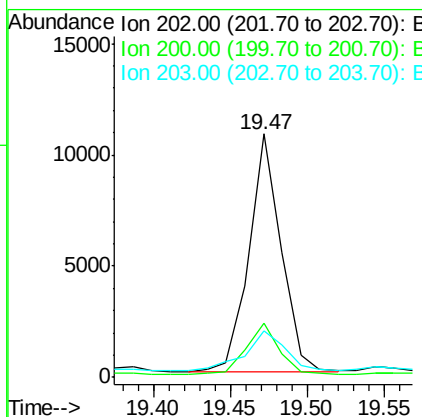
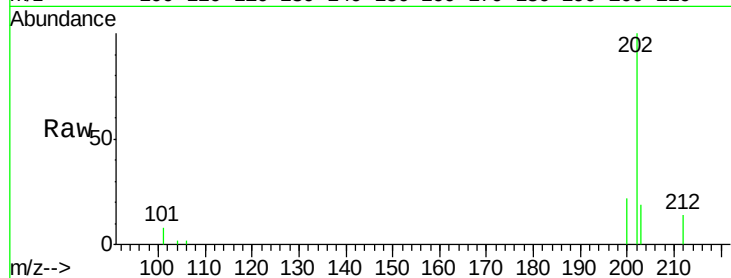




#17
 Pyrene
 Concen: 2.39 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.05 min
 Lab File: BM008710.D
 Acq: 29 Dec 2016 01:45

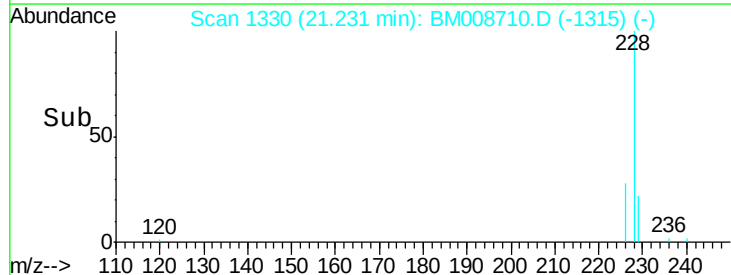
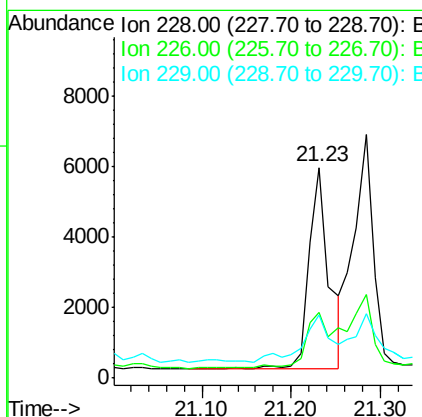
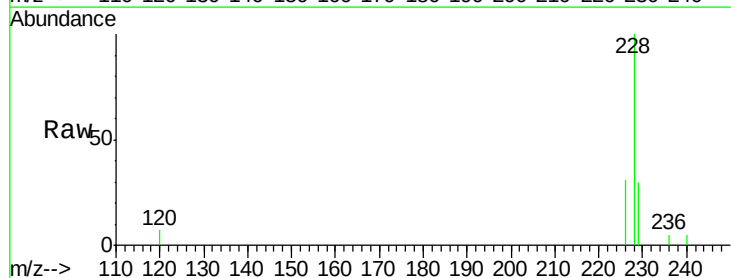
Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

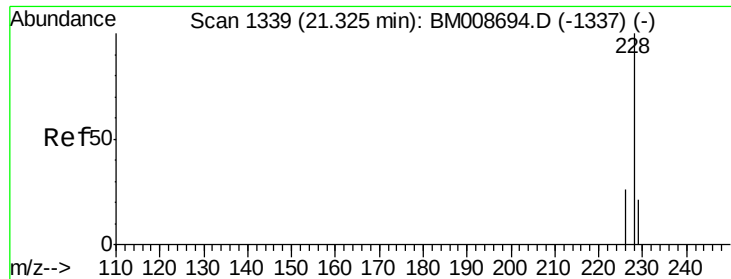
Tgt Ion: 202 Resp: 15506
 Ion Ratio Lower Upper
 202 100
 200 22.2 18.2 27.4
 203 19.0 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 1.66 ng/ul
 RT: 21.23 min Scan# 1330
 Delta R.T. -0.04 min
 Lab File: BM008710.D
 Acq: 29 Dec 2016 01:45

Tgt Ion: 228 Resp: 9164
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.8 34.2
 229 29.7 17.0 25.6#





#19

Chrysene

Concen: 1.69 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

Instrument :

BNA_M

ClientSampleId :

DA7G5

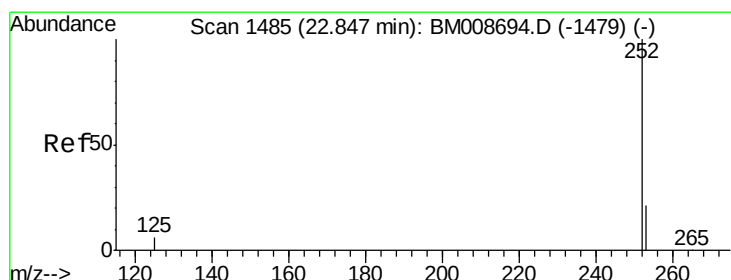
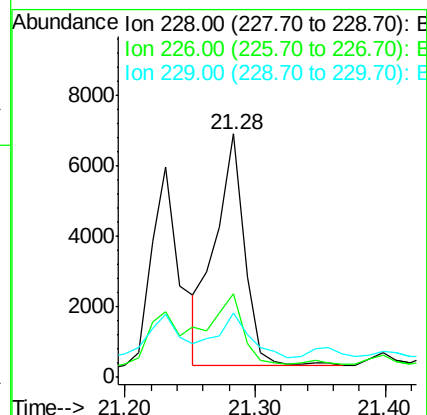
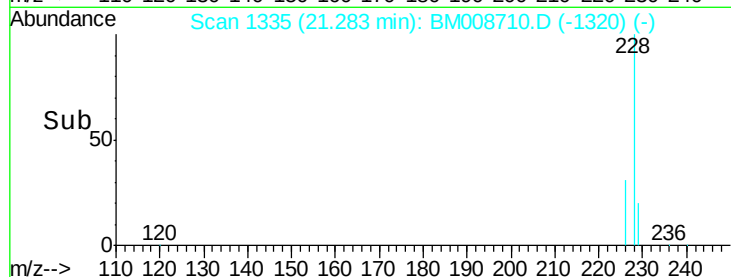
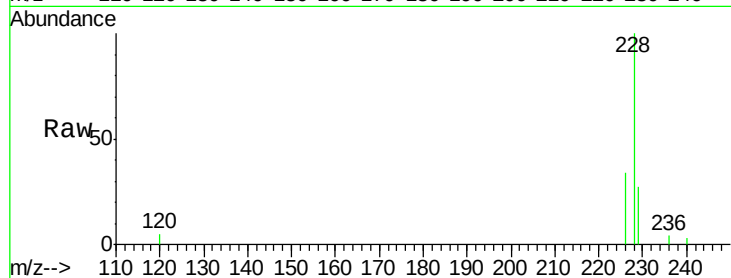
Tgt Ion:228 Resp: 10212

Ion Ratio Lower Upper

228 100

226 34.4 23.4 35.0

229 26.6 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 1.97 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.04 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

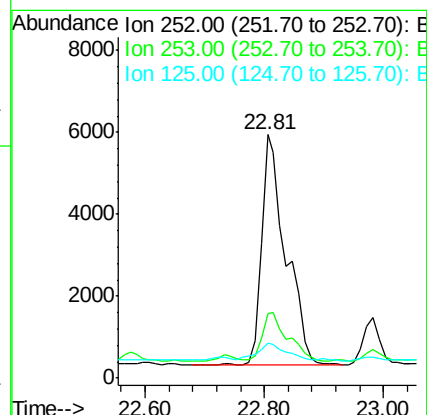
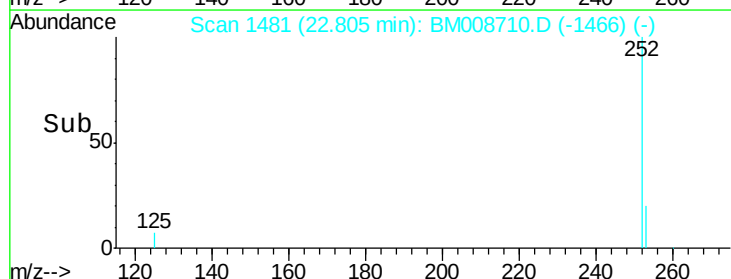
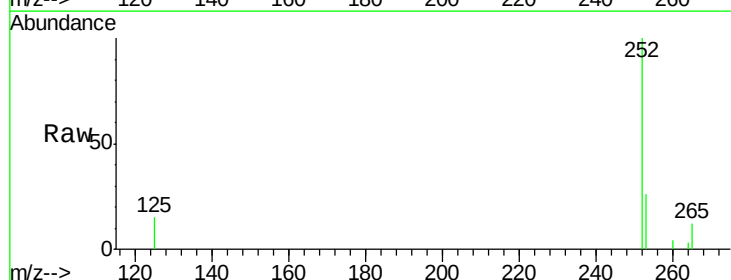
Tgt Ion:252 Resp: 16170

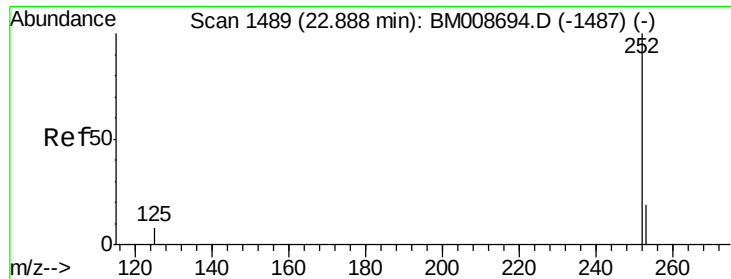
Ion Ratio Lower Upper

252 100

253 26.2 0.0 64.2

125 14.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 2.02 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.08 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

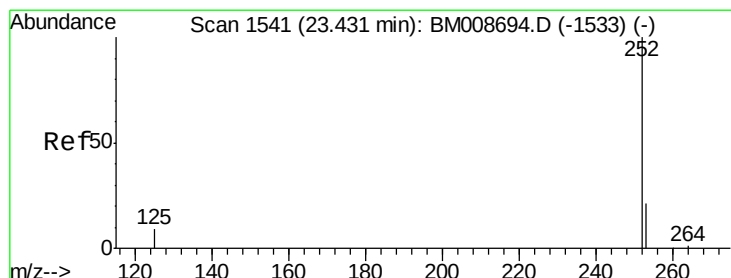
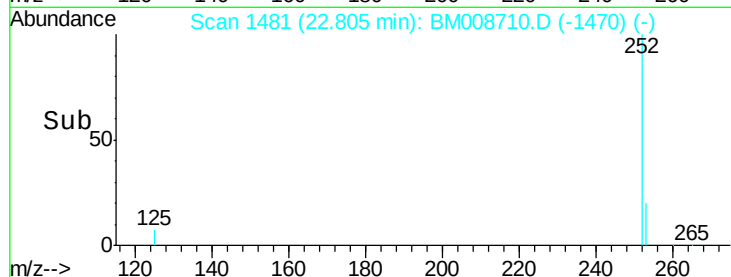
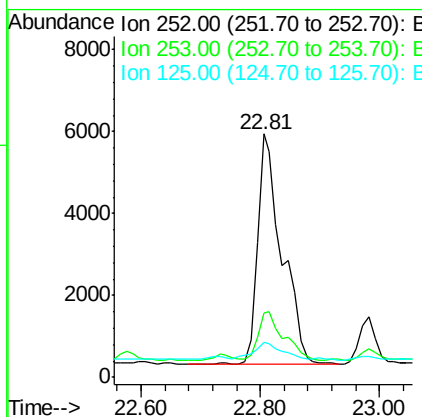
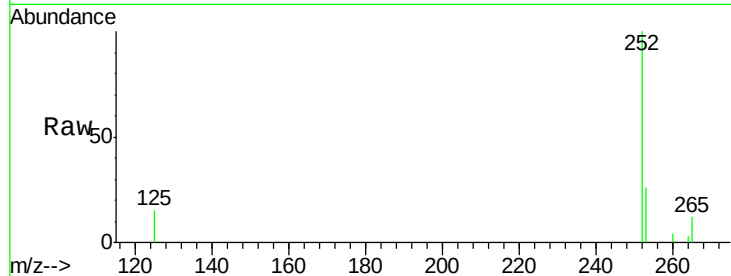
Instrument :

BNA_M

ClientSampleId :

DA7G5

Tgt Ion:	252	Resp:	16170
Ion	Ratio	Lower	Upper
252	100		
253	26.2	24.5	36.7
125	14.6	13.7	20.5



#23

Benzo(a)pyrene

Concen: 1.08 ng/ul

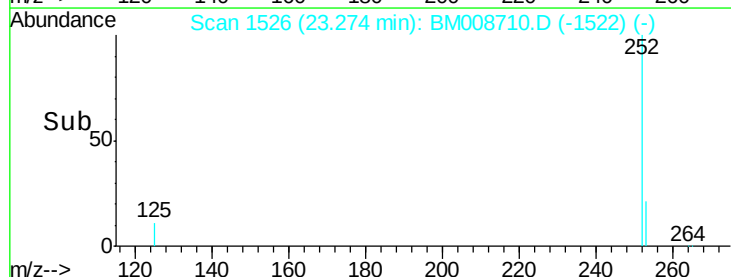
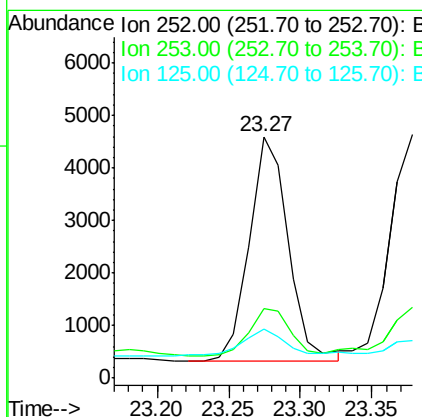
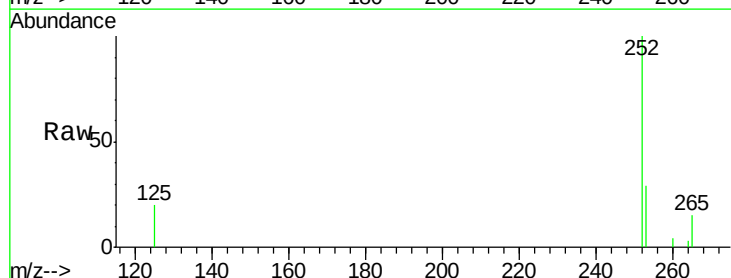
RT: 23.27 min Scan# 1526

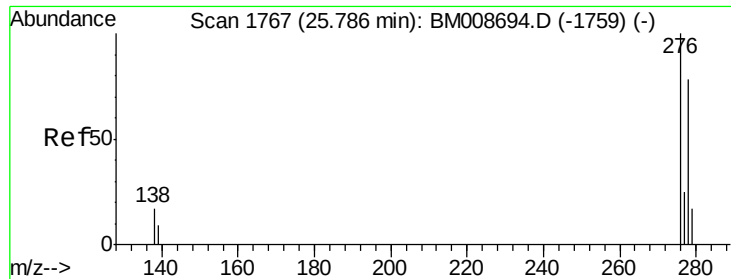
Delta R.T. -0.16 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

Tgt Ion:	252	Resp:	8212
Ion	Ratio	Lower	Upper
252	100		
253	28.6	28.5	42.7
125	20.1	18.1	27.1





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.66 ng/ul

RT: 25.72 min Scan# 1761

Delta R.T. -0.06 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

Instrument :

BNA_M

ClientSampleId :

DA7G5

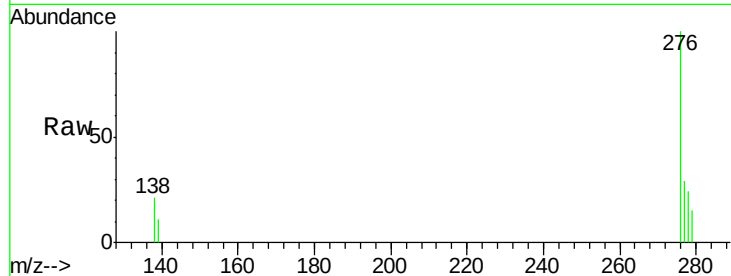
Tgt Ion:276 Resp: 5974

Ion Ratio Lower Upper

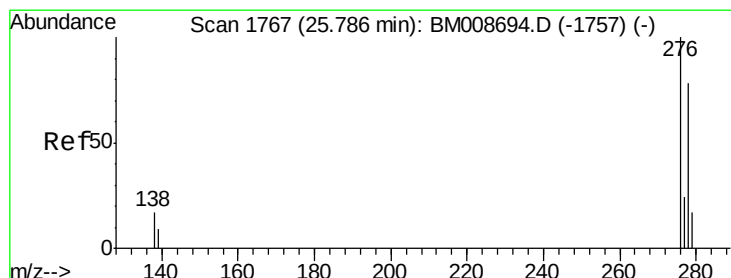
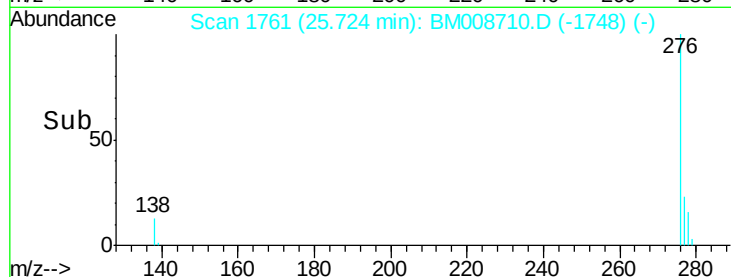
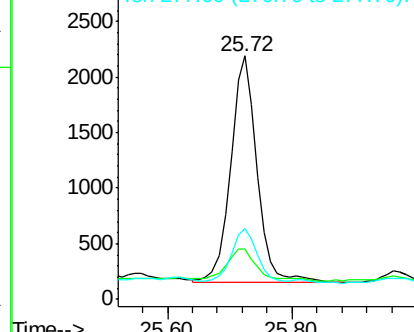
276 100

138 16.7 19.1 28.7#

277 21.5 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: 0.22 ng/ul

RT: 25.71 min Scan# 1760

Delta R.T. -0.07 min

Lab File: BM008710.D

Acq: 29 Dec 2016 01:45

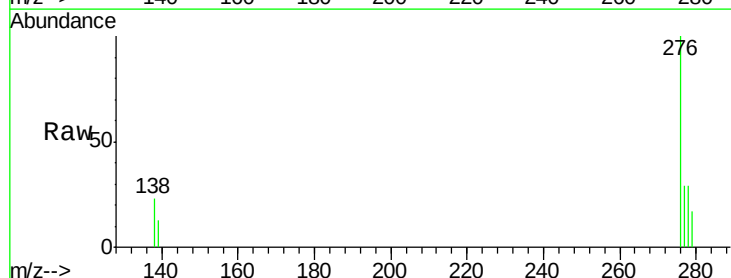
Tgt Ion:278 Resp: 1595

Ion Ratio Lower Upper

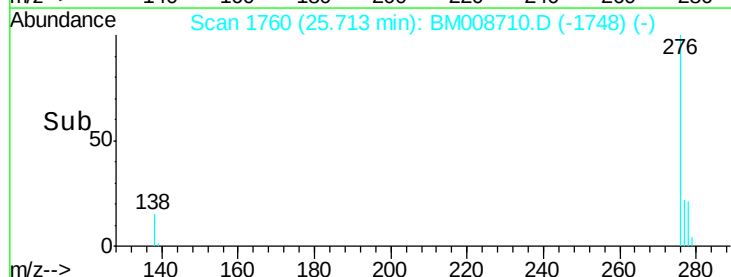
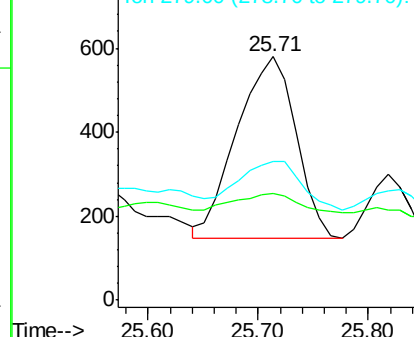
278 100

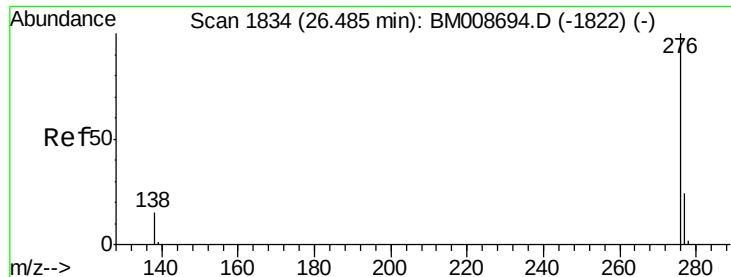
139 44.0 17.4 26.0#

279 57.1 25.9 38.9#



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: 0.84 ng/ul

RT: 26.41 min Scan# 1827

Delta R.T. -0.07 min

Lab File: BM008710.D

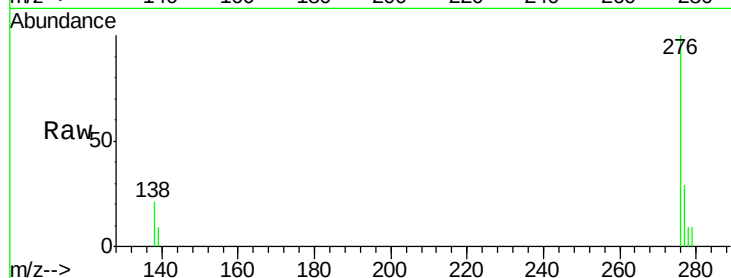
Acq: 29 Dec 2016 01:45

Instrument :

BNA_M

ClientSampleId :

DA7G5



Tgt Ion: 276 Resp: 6574

Ion Ratio Lower Upper

276 100

277 29.0 21.8 32.8

138 20.9 20.5 30.7

