

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112816\
 Data File : BM008092.D
 Acq On : 28 Nov 2016 18:32
 Operator : UM/SJ
 Sample : H5694-19DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS6DL

Quant Time: Nov 29 00:13:34 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:11:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	661	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2246	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1322	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2425	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2499	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	2377	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	272	0.09	ng/ul	0.01
14) Fluoranthene-d10	19.13	212	640	0.09	ng/ul	-0.01

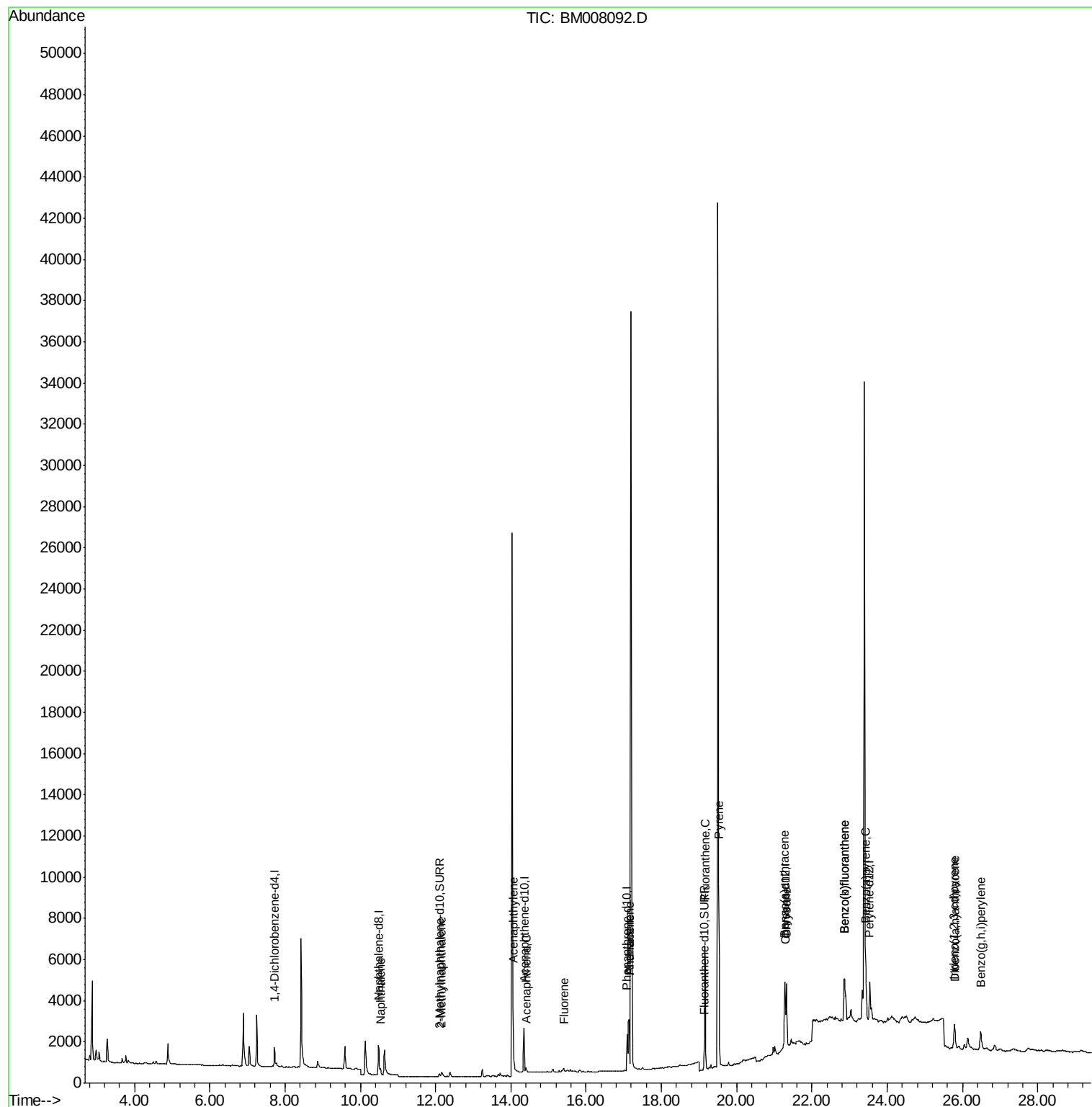
Target Compounds				Qvalue		
3) Naphthalene	10.54	128	420	0.07	ng/ul#	66
5) 2-Methylnaphthalene	12.16	142	223	0.06	ng/ul	98
7) Acenaphthylene	14.06	152	379	0.06	ng/ul#	69
8) Acenaphthene	14.40	153	149	0.03	ng/ul#	88
9) Fluorene	15.41	166	158	0.03	ng/ul#	82
12) Phenanthrene	17.14	178	3899	0.52	ng/ul	92
13) Anthracene	17.14	178	3899	0.55	ng/ul	94
15) Fluoranthene	19.16	202	6967	0.71	ng/ul	98
17) Pyrene	19.52	202	6793	0.78	ng/ul	98
18) Benzo(a)anthracene	21.27	228	3147	0.41	ng/ul#	79
19) Chrysene	21.32	228	3108	0.33	ng/ul#	78
21) Benzo(b)fluoranthene	22.86	252	5311	0.56	ng/ul#	66
22) Benzo(k)fluoranthene	22.86	252	5311	0.54	ng/ul#	64
23) Benzo(a)pyrene	23.43	252	2995	0.34	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.79	276	2206	0.20	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.80	278	507	0.06	ng/ul#	1
26) Benzo(g,h,i)perylene	26.48	276	2194	0.23	ng/ul#	72

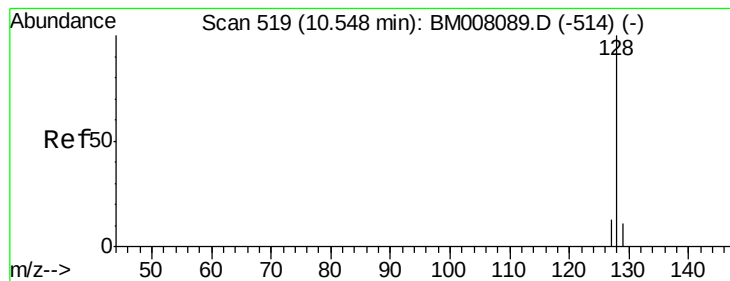
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.54 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

Instrument :

BNA_M

ClientSampleId :

JHSS6DL

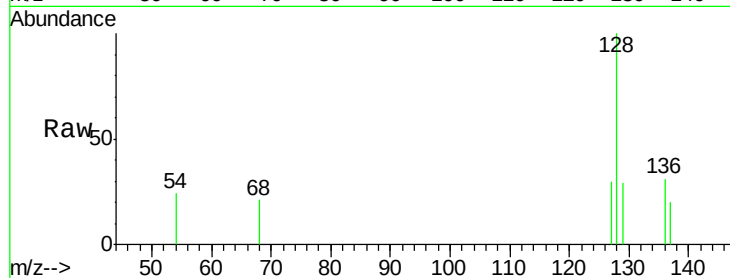
Tgt Ion:128 Resp: 420

Ion Ratio Lower Upper

128 100

129 28.8 11.3 16.9#

127 29.6 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

10.54

300

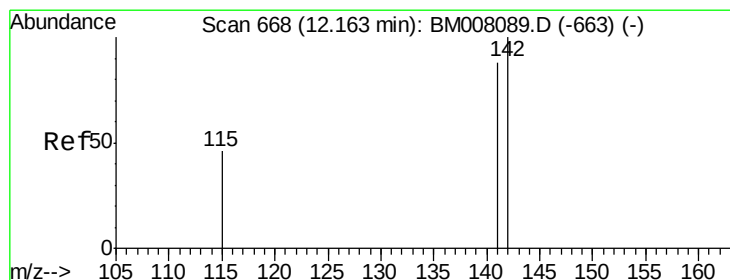
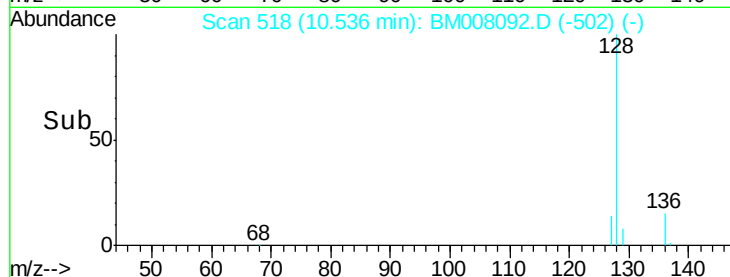
200

100

0

10.40 10.60

Time-->



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM008092.D

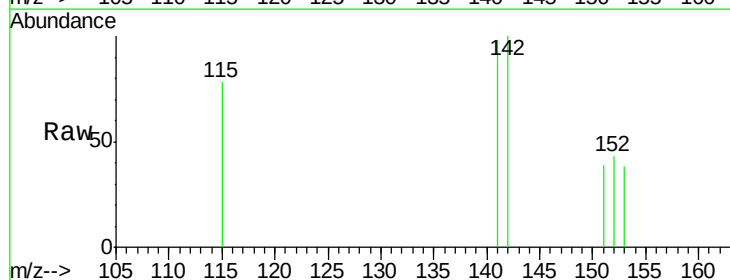
Acq: 28 Nov 2016 18:32

Tgt Ion:142 Resp: 223

Ion Ratio Lower Upper

142 100

141 92.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

150

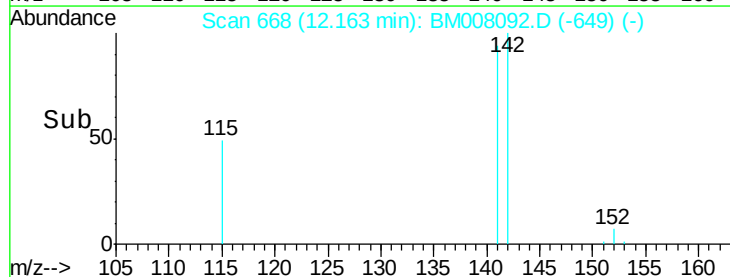
100

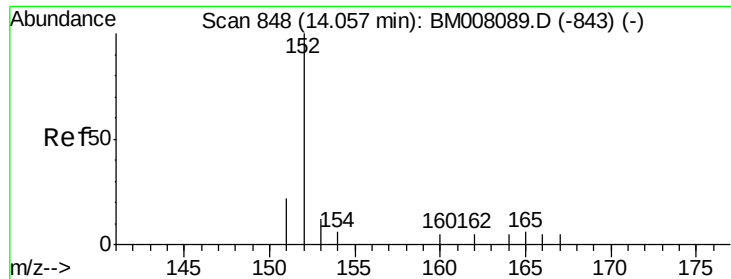
50

0

12.10 12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

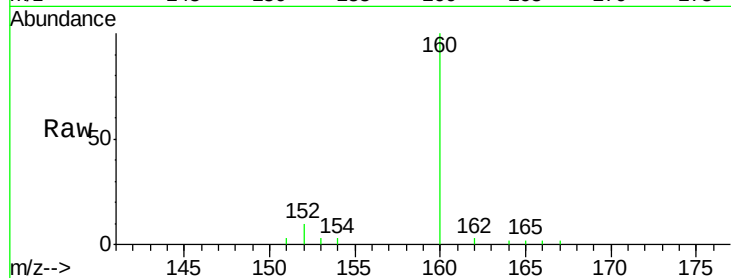
Instrument :

BNA_M

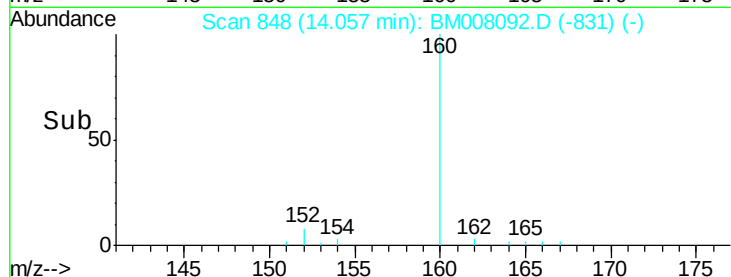
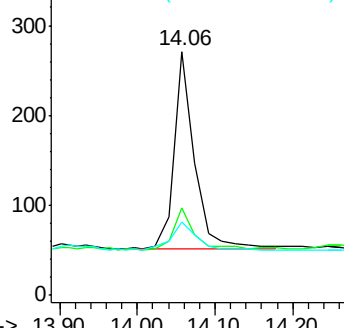
ClientSampleId :

JHSS6DL

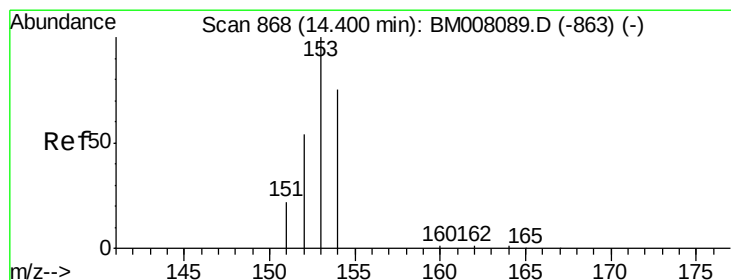
Tgt Ion:	152	Resp:	379
Ion	Ratio	Lower	Upper
152	100		
151	35.8	17.1	25.7#
153	29.9	12.8	19.2#



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



Time-->



#8

Acenaphthene

Concen: 0.03 ng/ul

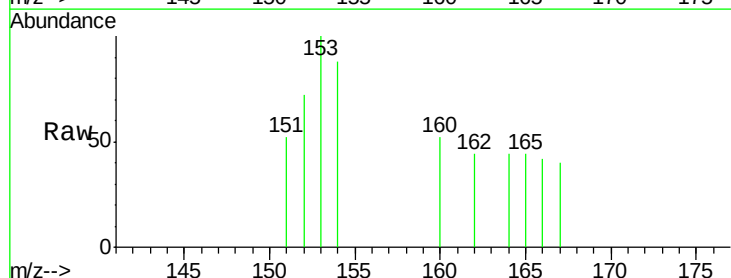
RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

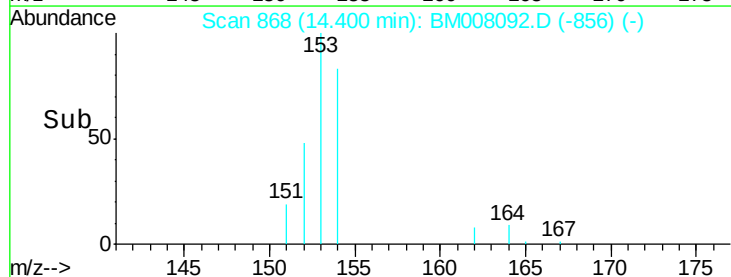
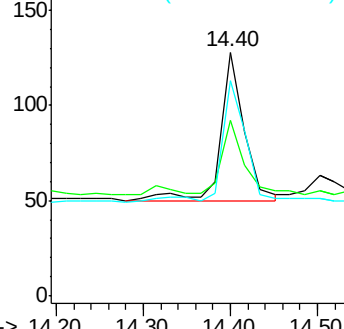
Lab File: BM008092.D

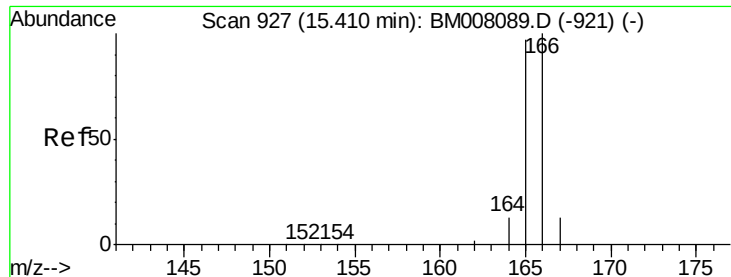
Acq: 28 Nov 2016 18:32

Tgt Ion:	153	Resp:	149
Ion	Ratio	Lower	Upper
153	100		
152	71.9	40.3	60.5#
154	88.3	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

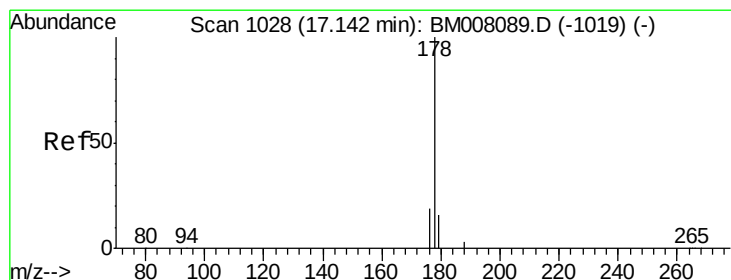
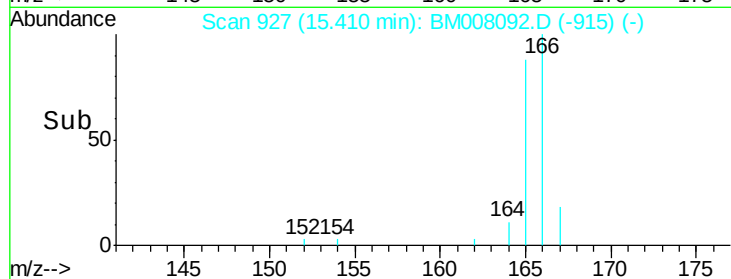
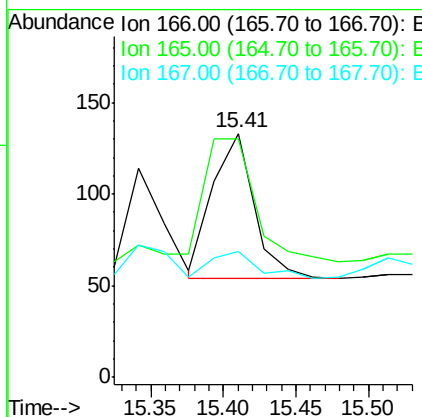
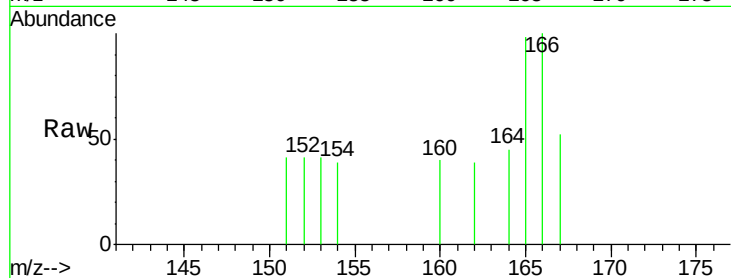




#9
Fluorene
 Concen: 0.03 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BM008092.D
 Acq: 28 Nov 2016 18:32

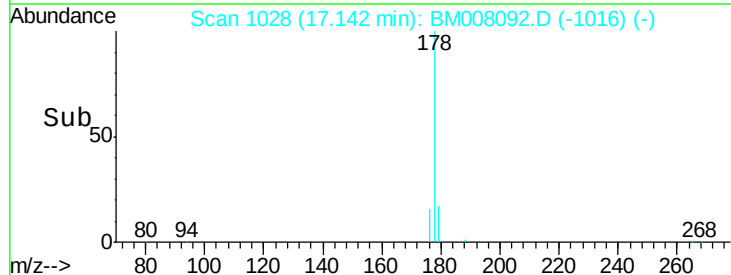
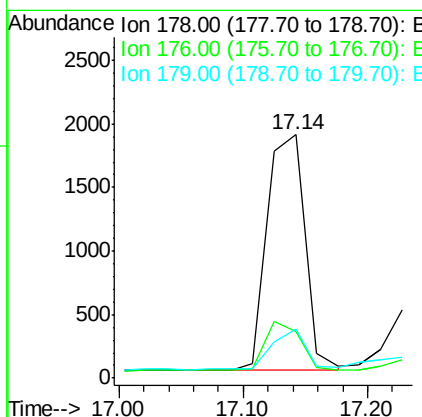
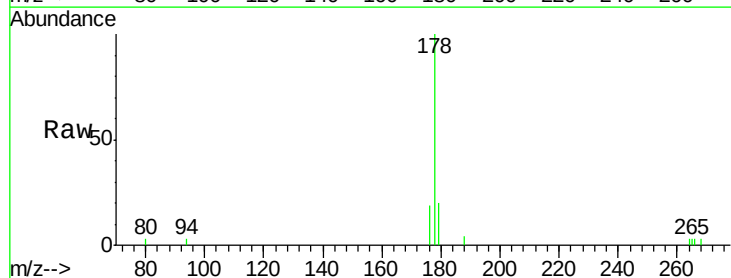
Instrument :
 BNA_M
 ClientSampleId :
 JHSS6DL

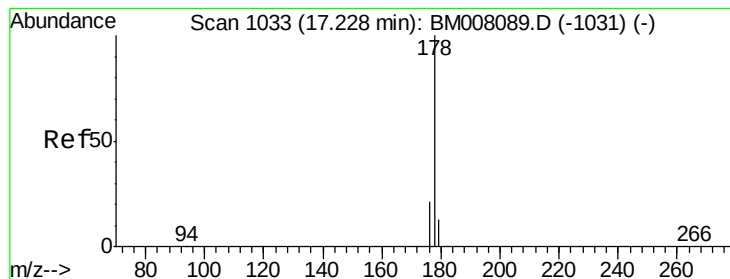
Tgt Ion:166 Resp: 158
 Ion Ratio Lower Upper
 166 100
 165 97.7 73.4 110.2
 167 51.9 14.6 22.0#



#12
Phenanthrene
 Concen: 0.52 ng/ul
 RT: 17.14 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BM008092.D
 Acq: 28 Nov 2016 18:32

Tgt Ion:178 Resp: 3899
 Ion Ratio Lower Upper
 178 100
 176 18.9 18.4 27.6
 179 20.2 13.6 20.4





#13

Anthracene

Concen: 0.55 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.09 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

Instrument :

BNA_M

ClientSampleId :

JHSS6DL

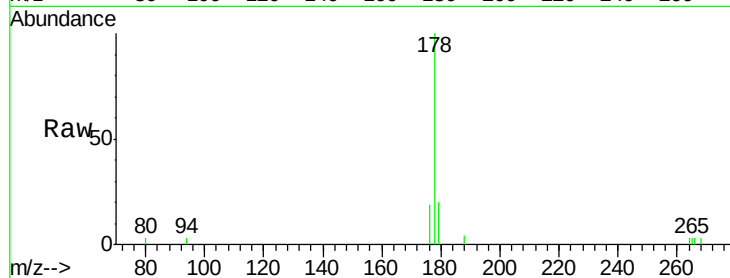
Tgt Ion:178 Resp: 3899

Ion Ratio Lower Upper

178 100

176 18.9 18.1 27.1

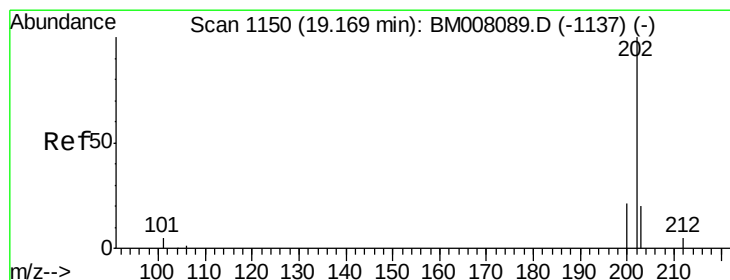
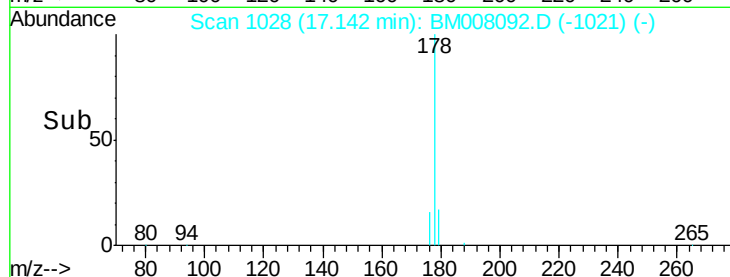
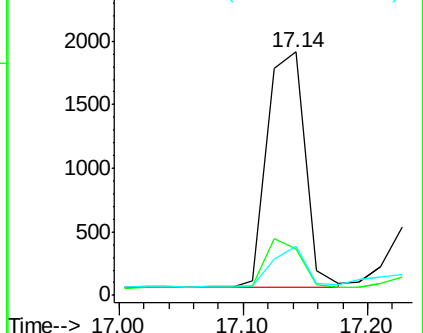
179 20.2 14.7 22.1



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: 0.71 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

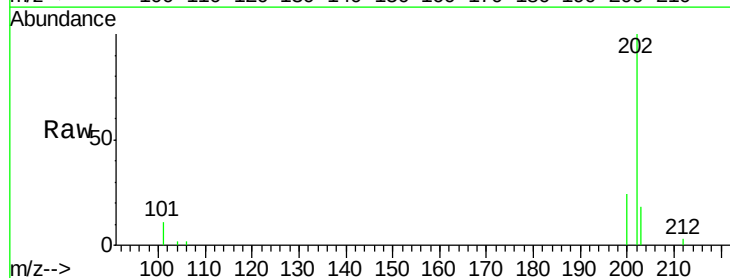
Tgt Ion:202 Resp: 6967

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.3

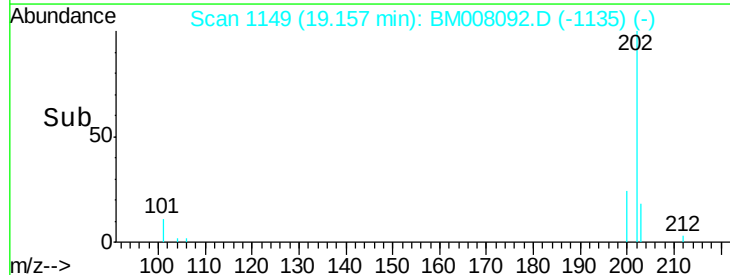
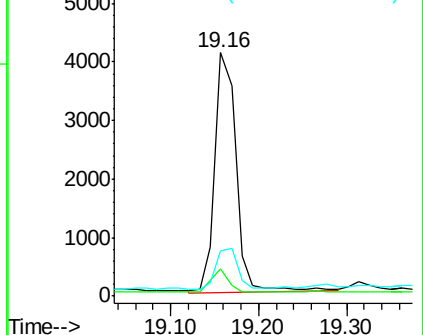
203 18.3 0.0 39.5

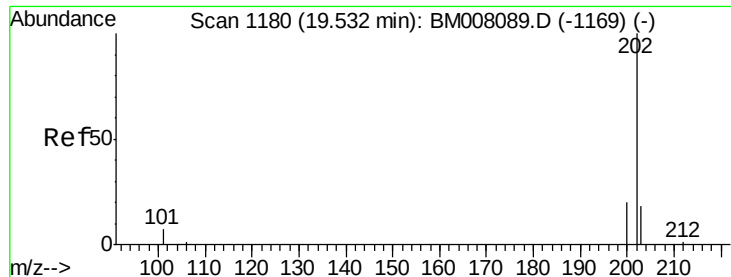


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

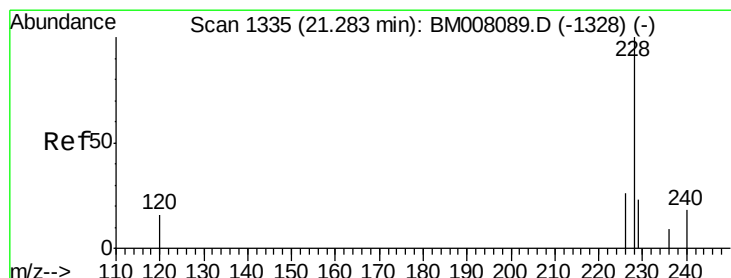
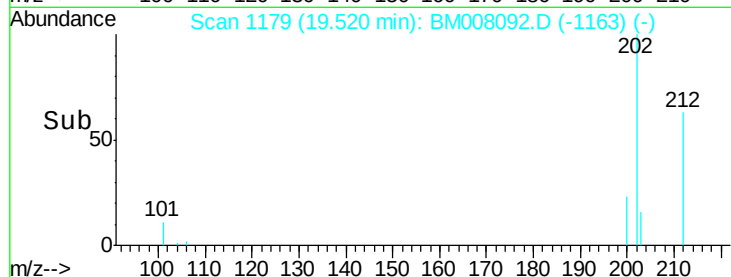
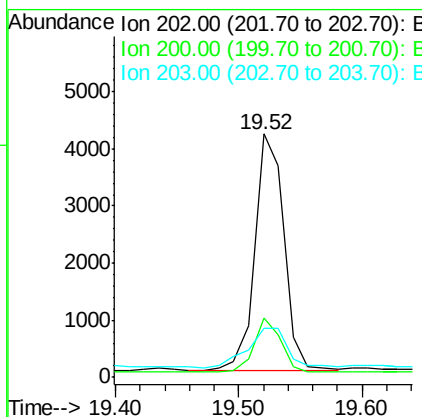
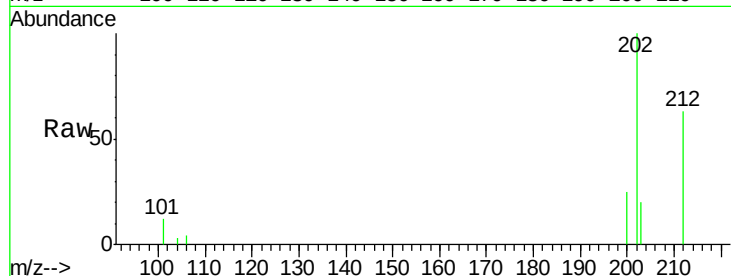




#17
 Pyrene
 Concen: 0.78 ng/ul
 RT: 19.52 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BM008092.D
 Acq: 28 Nov 2016 18:32

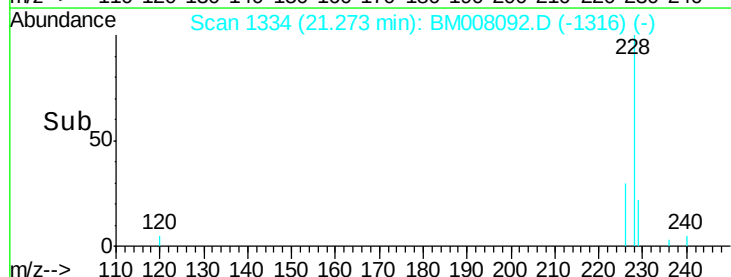
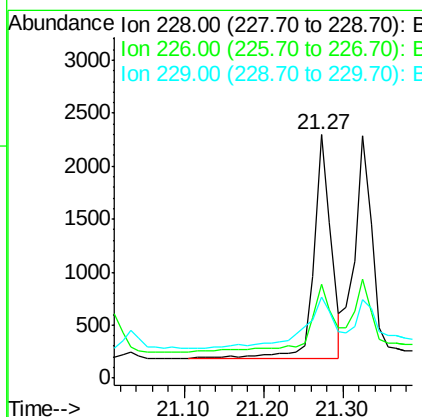
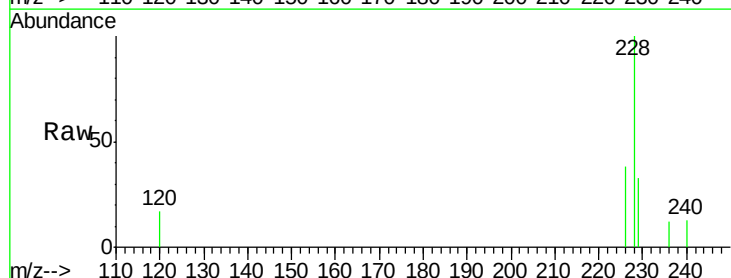
Instrument :
 BNA_M
 ClientSampleId :
 JHSS6DL

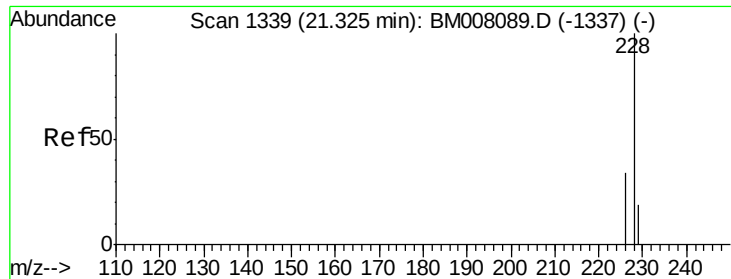
Tgt Ion: 202 Resp: 6793
 Ion Ratio Lower Upper
 202 100
 200 24.6 18.2 27.4
 203 19.9 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 0.41 ng/ul
 RT: 21.27 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BM008092.D
 Acq: 28 Nov 2016 18:32

Tgt Ion: 228 Resp: 3147
 Ion Ratio Lower Upper
 228 100
 226 38.4 22.8 34.2#
 229 33.2 17.0 25.6#





#19

Chrysene

Concen: 0.33 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

Instrument :

BNA_M

ClientSampleId :

JHSS6DL

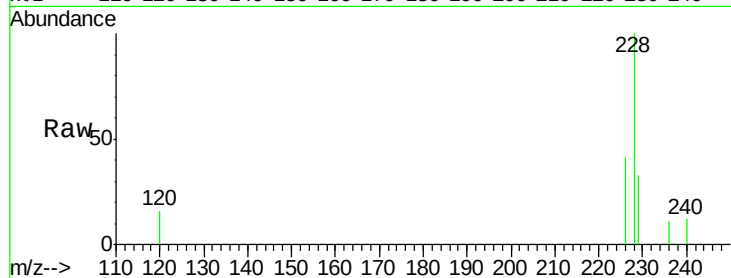
Tgt Ion:228 Resp: 3108

Ion Ratio Lower Upper

228 100

226 41.1 23.4 35.0#

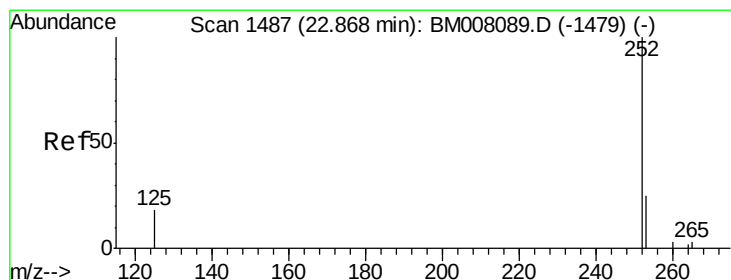
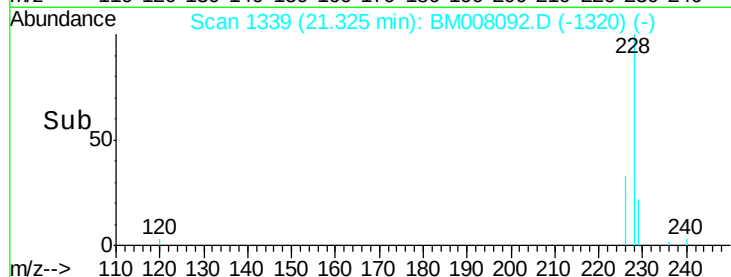
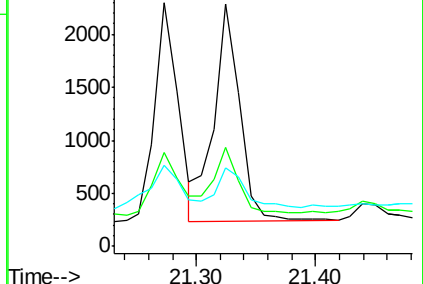
229 32.6 17.7 26.5#



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: 0.56 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

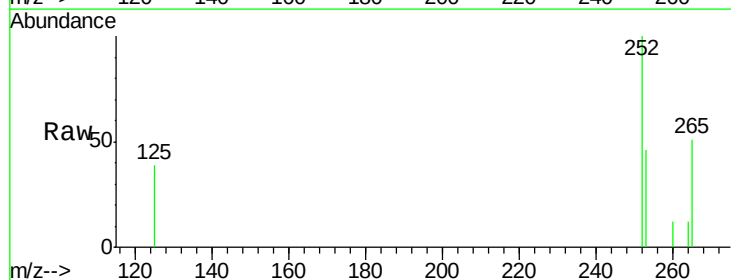
Tgt Ion:252 Resp: 5311

Ion Ratio Lower Upper

252 100

253 46.0 0.0 64.2

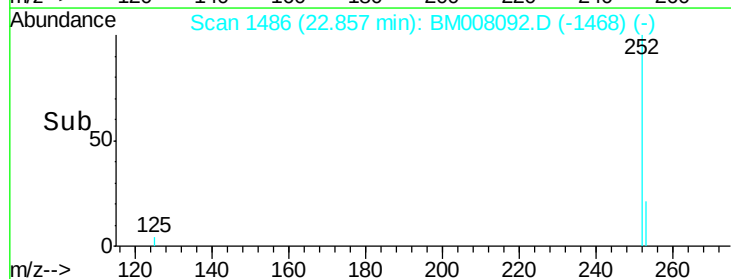
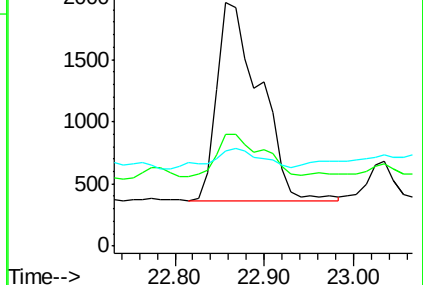
125 39.2 0.0 35.0#

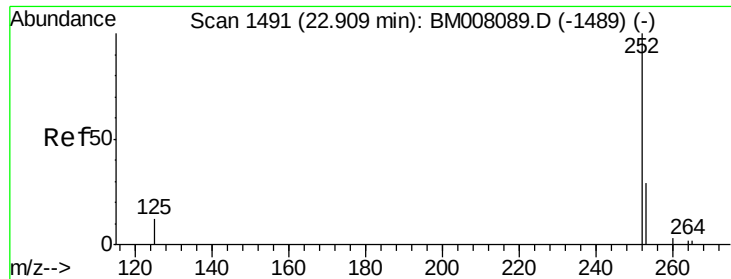


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.54 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.05 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

Instrument :

BNA_M

ClientSampleId :

JHSS6DL

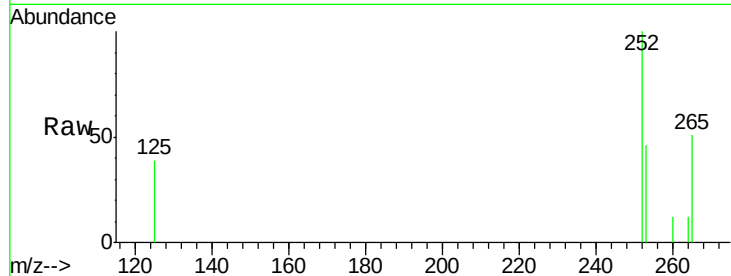
Tgt Ion:252 Resp: 5311

Ion Ratio Lower Upper

252 100

253 46.0 24.5 36.7#

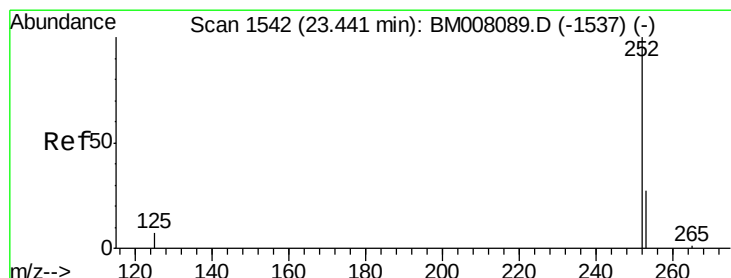
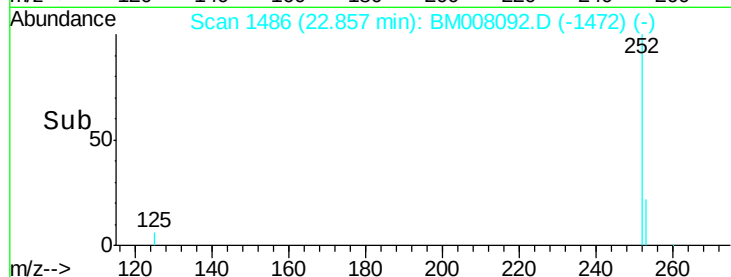
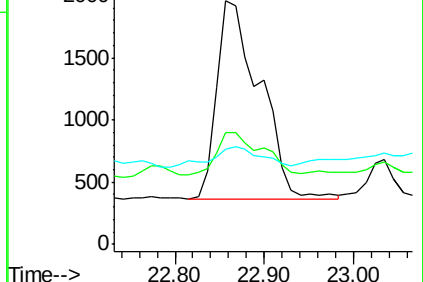
125 39.2 13.7 20.5#



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: 0.34 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BM008092.D

Acq: 28 Nov 2016 18:32

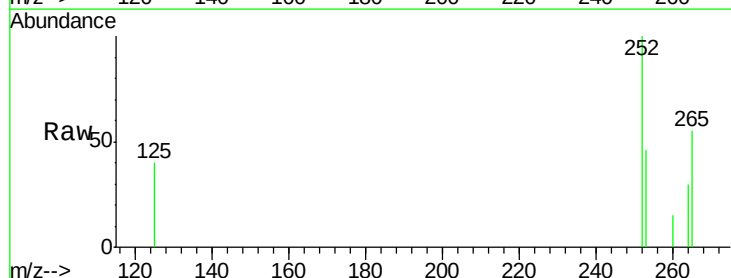
Tgt Ion:252 Resp: 2995

Ion Ratio Lower Upper

252 100

253 45.5 28.5 42.7#

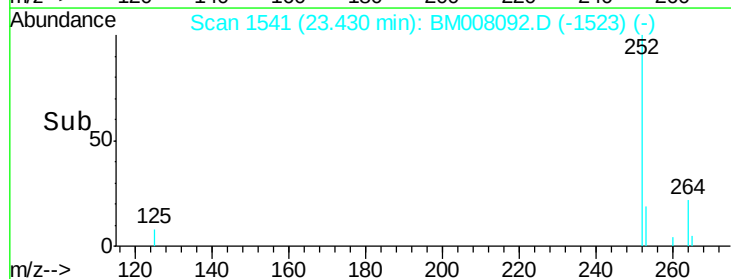
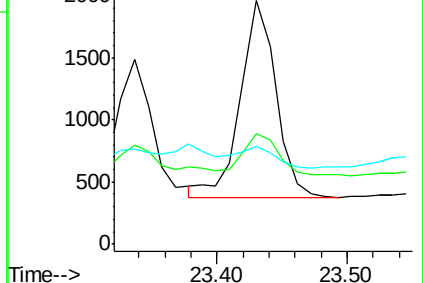
125 39.9 18.1 27.1#

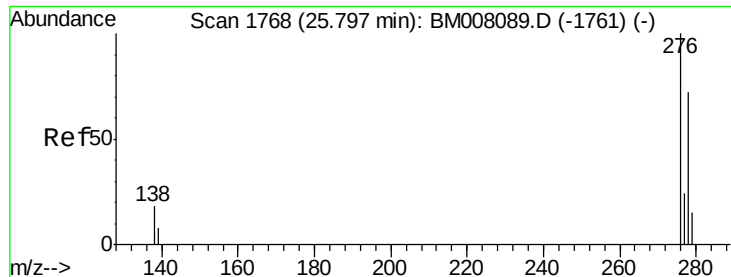


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



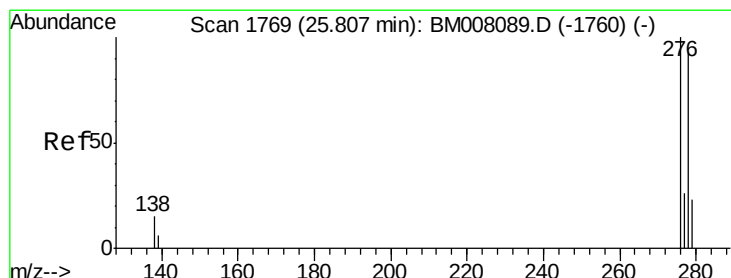
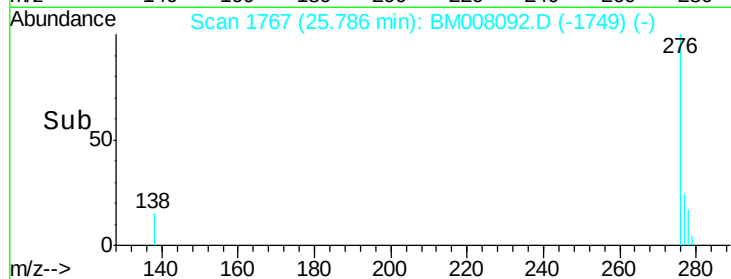
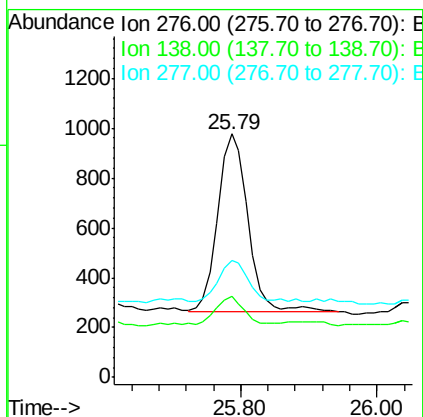
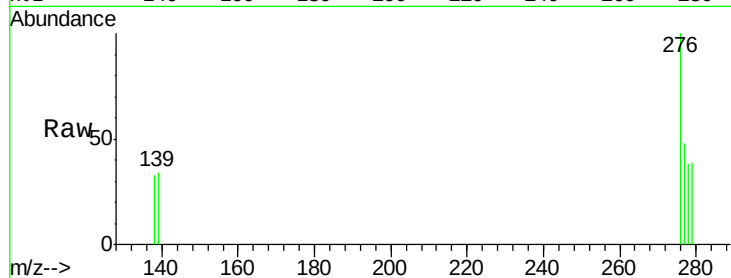


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.20 ng/ul
RT: 25.79 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BM008092.D
Acq: 28 Nov 2016 18:32

Instrument :
BNA_M
ClientSampleId :
JHSS6DL

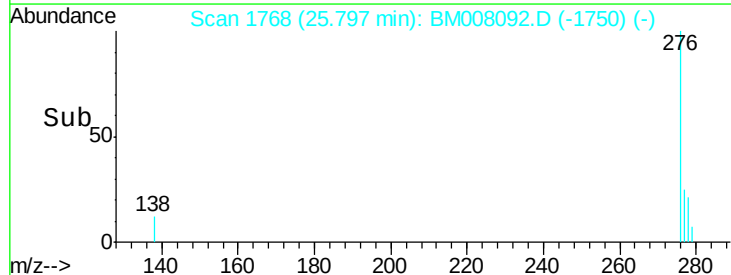
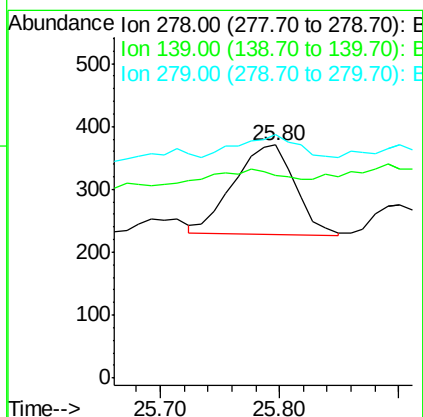
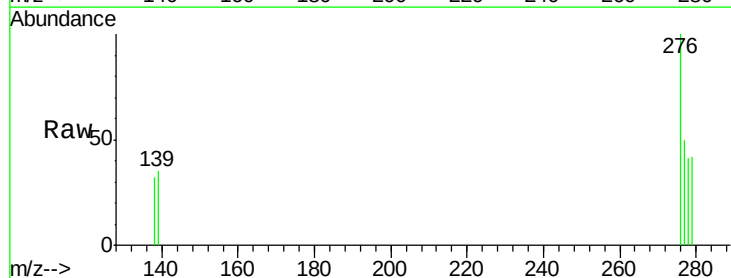
Tgt Ion: 276 Resp: 2206
Ion Ratio Lower Upper
276 100
138 15.5 19.1 28.7#
277 23.0 19.6 29.4

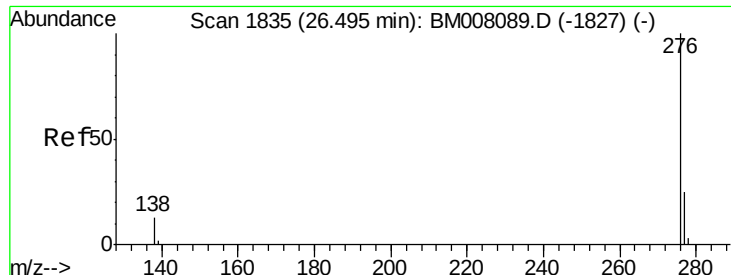


#25

Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 25.80 min Scan# 1768
Delta R.T. -0.01 min
Lab File: BM008092.D
Acq: 28 Nov 2016 18:32

Tgt Ion: 278 Resp: 507
Ion Ratio Lower Upper
278 100
139 87.0 17.4 26.0#
279 104.6 25.9 38.9#





#26

Benzo(g,h,i)perylene

Concen: 0.23 ng/ul

RT: 26.48 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM008092.D

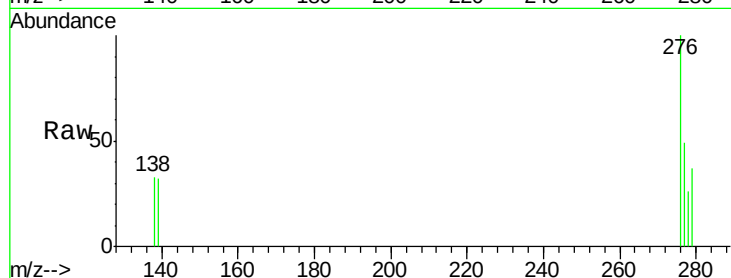
Acq: 28 Nov 2016 18:32

Instrument :

BNA_M

ClientSampleId :

JHSS6DL



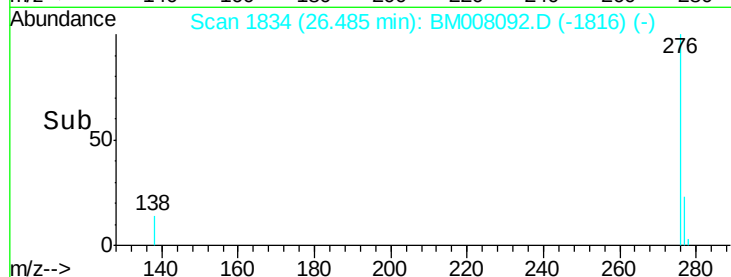
Tgt Ion: 276 Resp: 2194

Ion Ratio Lower Upper

276 100

277 49.1 21.8 32.8#

138 32.7 20.5 30.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

