

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008666.D
 Acq On : 25 Dec 2016 11:57
 Operator : UM/SJ
 Sample : H6069-08DL 5X
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8X8DL

Quant Time: Dec 26 03:29:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 03:21:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	435	0.40	ng/ul	-0.08
2) Naphthalene-d8	10.49	136	1150	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.31	164	772	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.18	188	5558	0.40	ng/ul	0.09
16) Chrysene-d12	21.28	240	1544	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1763	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.13	152	46	0.03	ng/ul	0.01
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

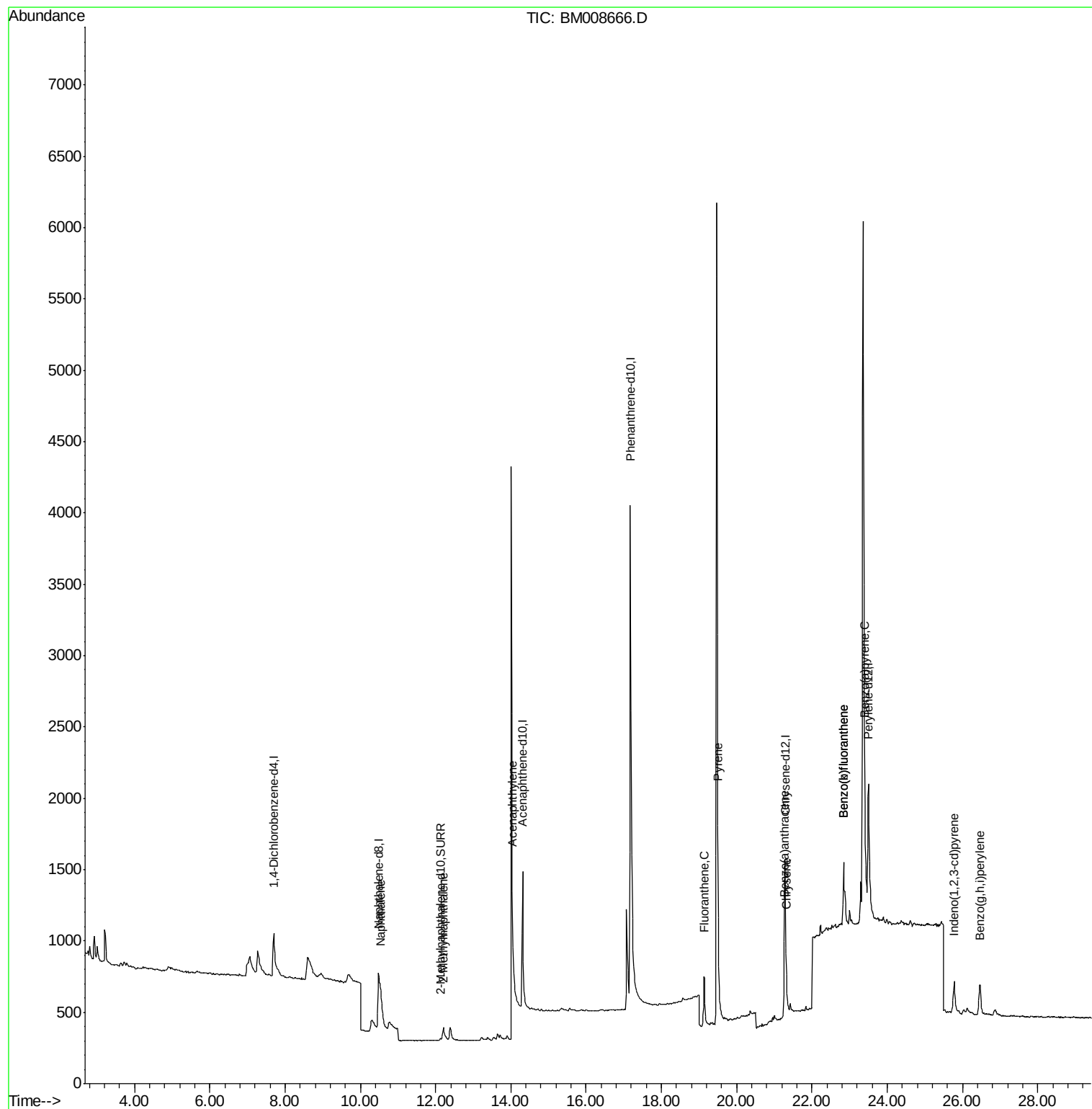
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	507	0.16	ng/ul#	35
5) 2-Methylnaphthalene	12.21	142	154	0.07	ng/ul	98
7) Acenaphthylene	14.04	152	89	0.03	ng/ul#	1
15) Fluoranthene	19.14	202	476	0.02	ng/ul	66
17) Pyrene	19.50	202	584	0.10	ng/ul#	69
18) Benzo(a)anthracene	21.26	228	425	0.08	ng/ul#	53
19) Chrysene	21.31	228	405	0.07	ng/ul#	57
21) Benzo(b)fluoranthene	22.84	252	1235	0.18	ng/ul#	54
22) Benzo(k)fluoranthene	22.84	252	1235	0.18	ng/ul#	51
23) Benzo(a)pyrene	23.40	252	577	0.09	ng/ul#	42
24) Indeno(1,2,3-cd)pyrene	25.78	276	586	0.08	ng/ul#	87
26) Benzo(g,h,i)perylene	26.46	276	568	0.09	ng/ul#	56

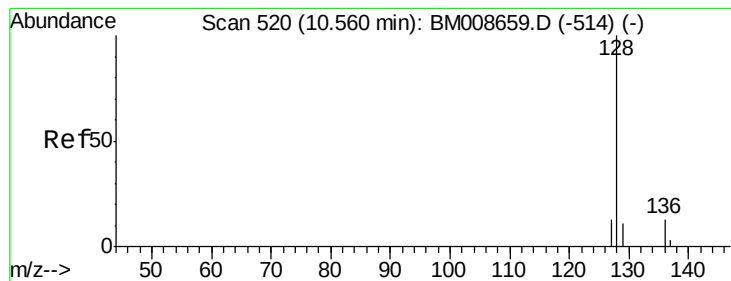
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
Data File : BM008666.D
Acq On : 25 Dec 2016 11:57
Operator : UM/SJ
Sample : H6069-08DL 5X
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8X8DL

Quant Time: Dec 26 03:29:02 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 26 03:21:10 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.16 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

Instrument :

BNA_M

ClientSampleId :

DA8X8DL

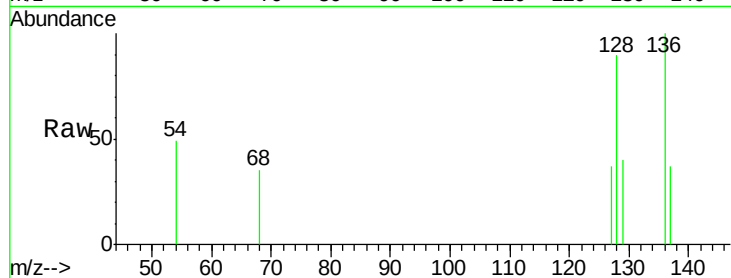
Tgt Ion:128 Resp: 507

Ion Ratio Lower Upper

128 100

129 43.7 11.3 16.9#

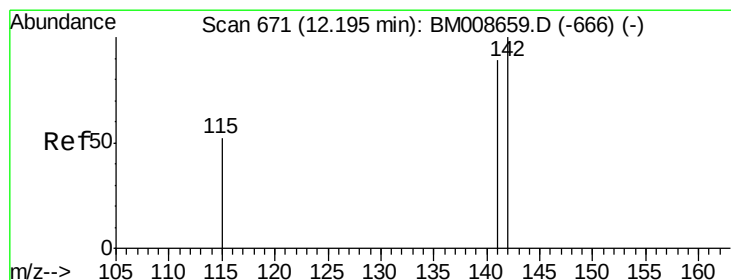
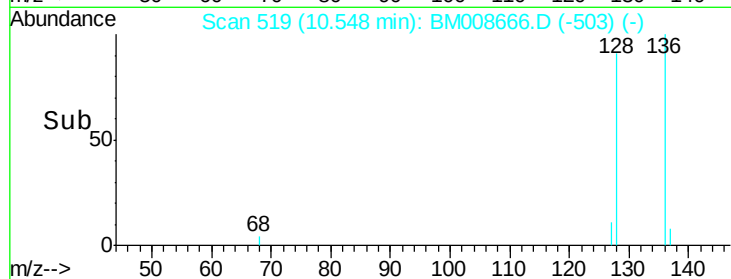
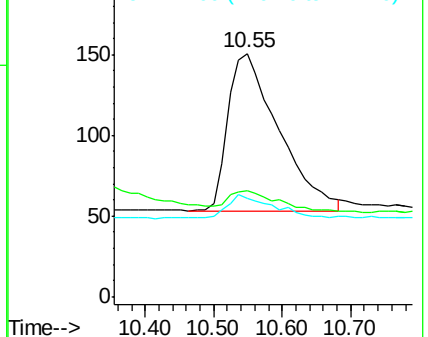
127 40.4 12.8 19.2#



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: 0.07 ng/ul

RT: 12.21 min Scan# 672

Delta R.T. 0.01 min

Lab File: BM008666.D

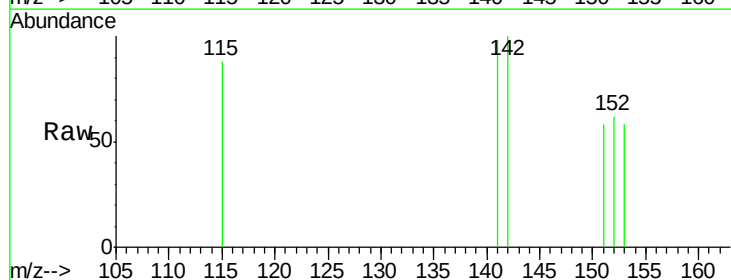
Acq: 25 Dec 2016 11:57

Tgt Ion:142 Resp: 154

Ion Ratio Lower Upper

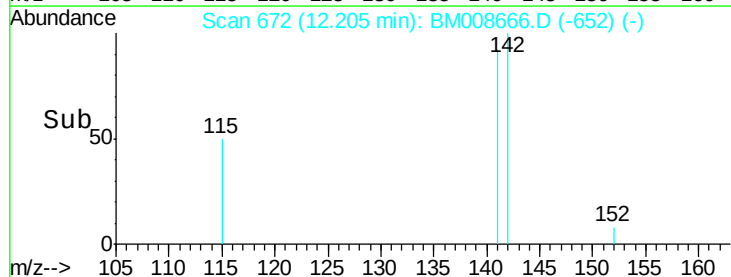
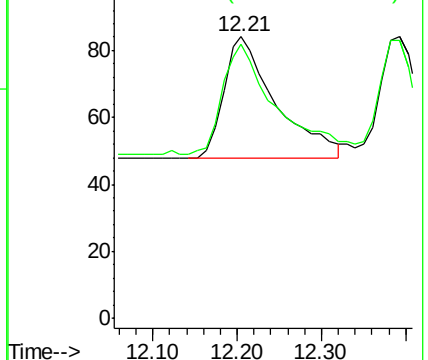
142 100

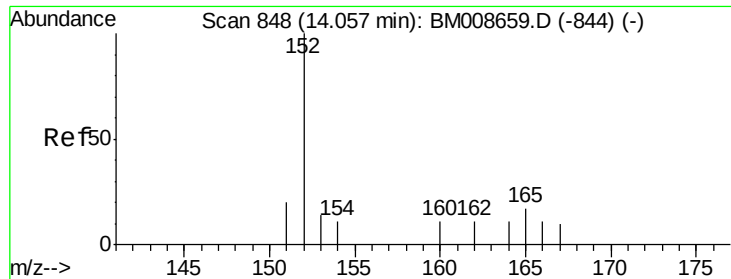
141 92.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

Instrument :

BNA_M

ClientSampleId :

DA8X8DL

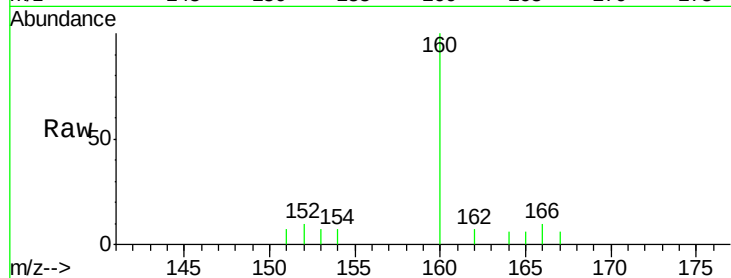
Tgt Ion:152 Resp: 89

Ion Ratio Lower Upper

152 100

151 68.4 17.1 25.7#

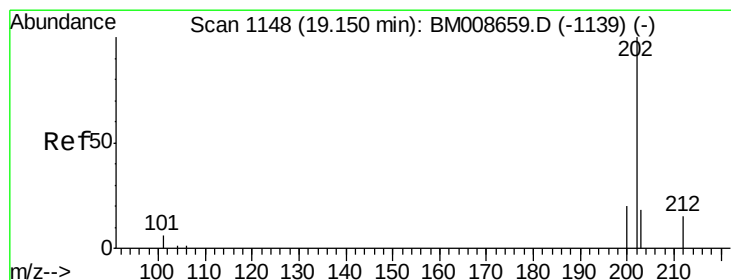
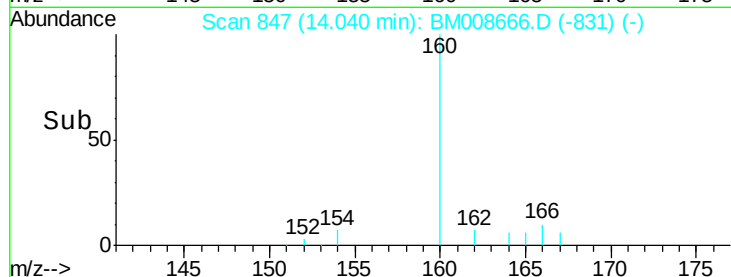
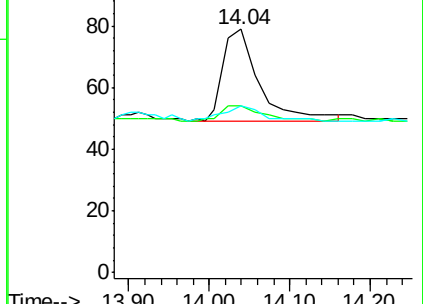
153 68.4 12.8 19.2#



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



#15

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

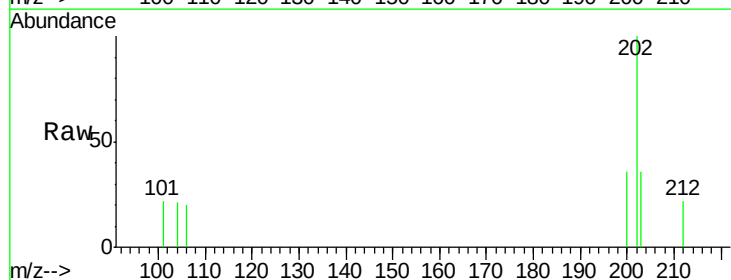
Tgt Ion:202 Resp: 476

Ion Ratio Lower Upper

202 100

101 22.1 0.0 30.3

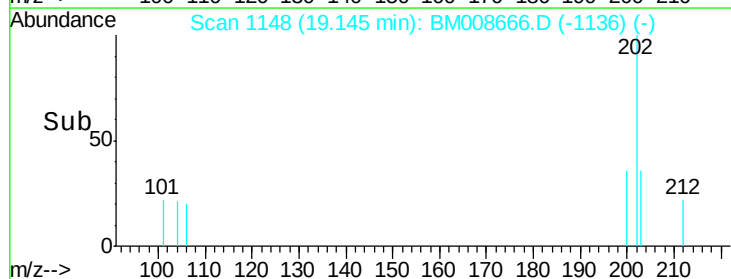
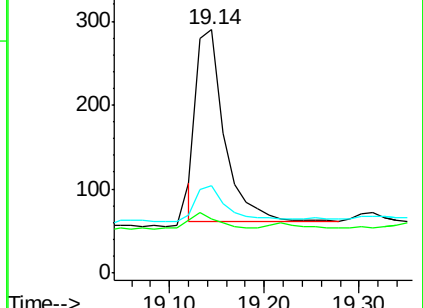
203 35.9 0.0 39.5

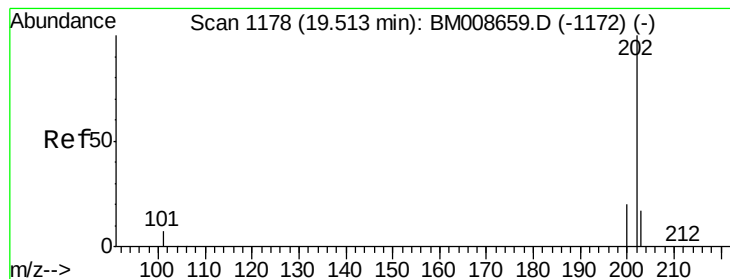


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.10 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

Instrument :

BNA_M

ClientSampleId :

DA8X8DL

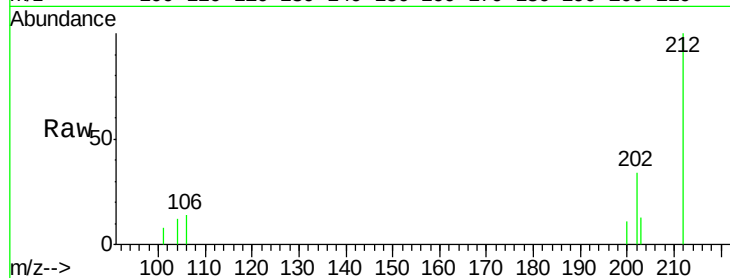
Tgt Ion: 202 Resp: 584

Ion Ratio Lower Upper

202 100

200 33.8 18.2 27.4#

203 38.1 15.6 23.4#



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

19.50

300

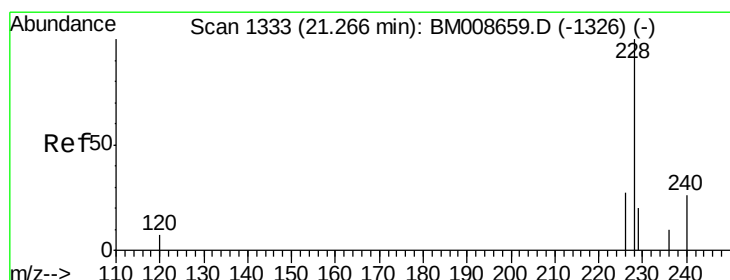
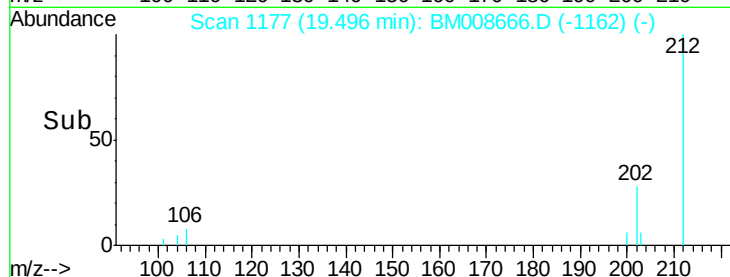
200

100

0

Time-->

19.40 19.50 19.60 19.70



#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

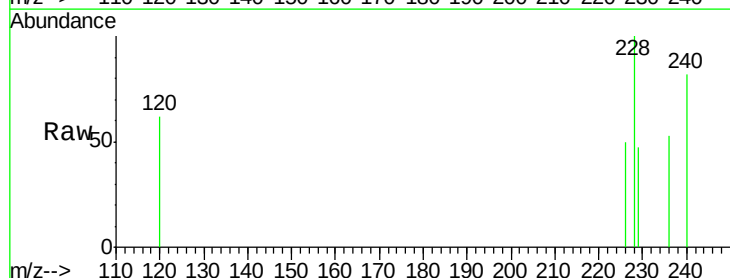
Tgt Ion: 228 Resp: 425

Ion Ratio Lower Upper

228 100

226 50.0 22.8 34.2#

229 47.2 17.0 25.6#



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

21.26

300

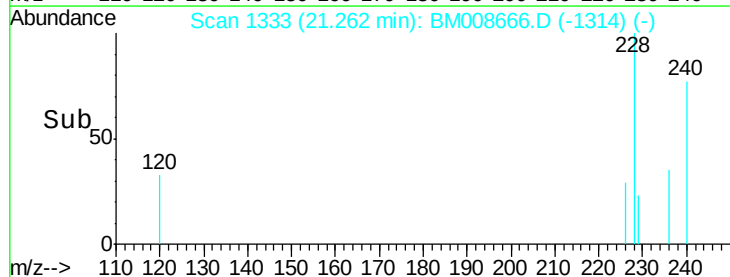
200

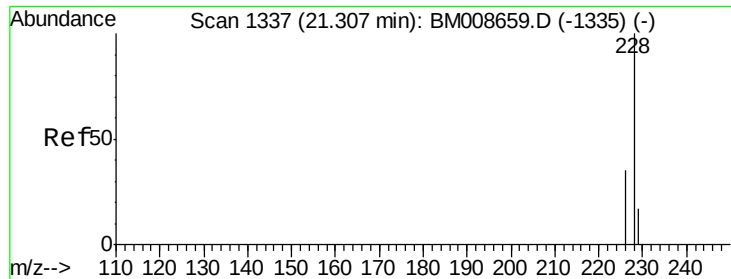
100

0

Time-->

21.20 21.25 21.30





#19

Chrysene

Concen: 0.07 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

Instrument :

BNA_M

ClientSampleId :

DA8X8DL

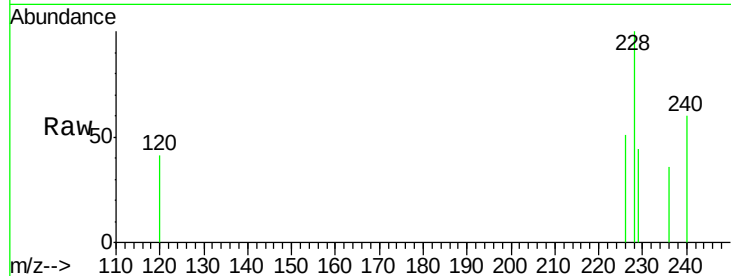
Tgt Ion:228 Resp: 405

Ion Ratio Lower Upper

228 100

226 50.9 23.4 35.0#

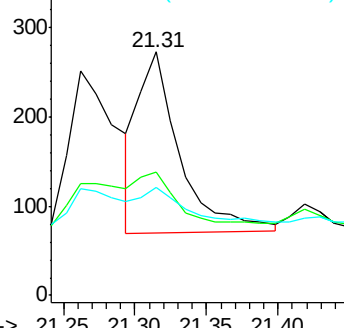
229 44.3 17.7 26.5#



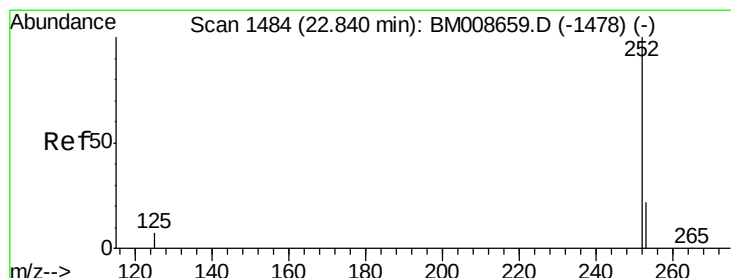
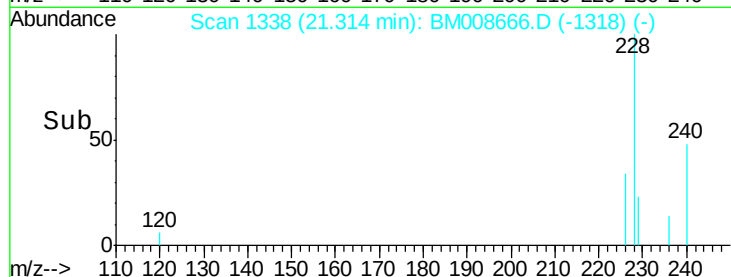
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#21

Benzo(b)fluoranthene

Concen: 0.18 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

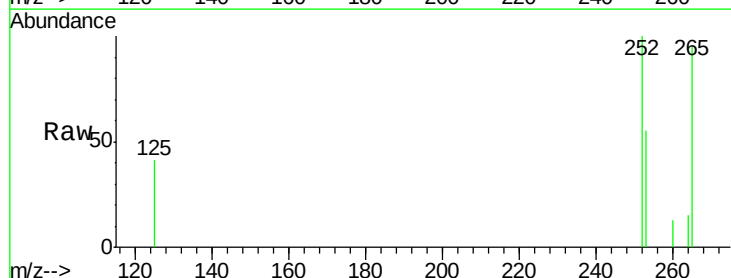
Tgt Ion:252 Resp: 1235

Ion Ratio Lower Upper

252 100

253 55.5 0.0 64.2

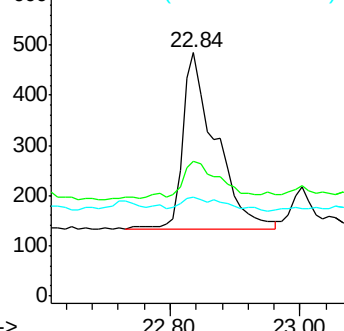
125 40.8 0.0 35.0#



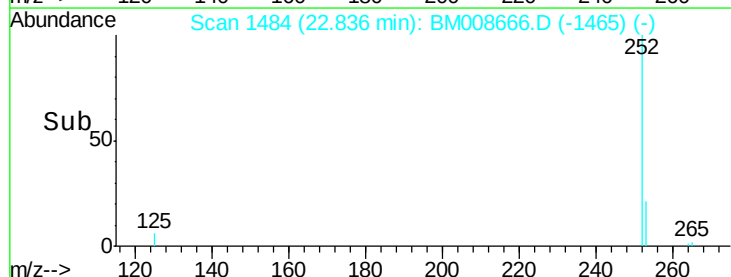
Abundance Ion 252.00 (251.70 to 252.70): E

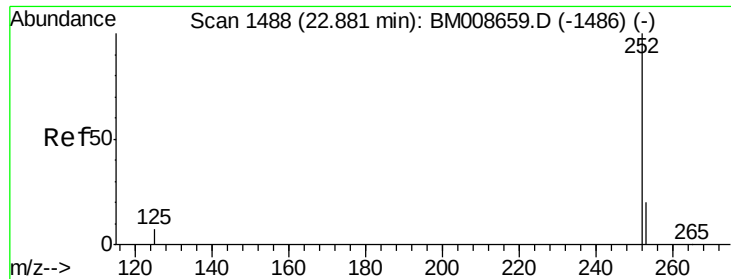
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#22

Benzo(k)fluoranthene

Concen: 0.18 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

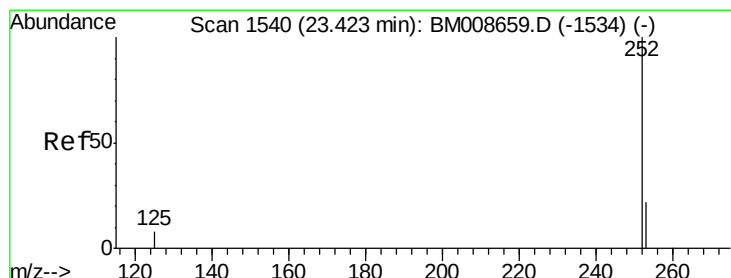
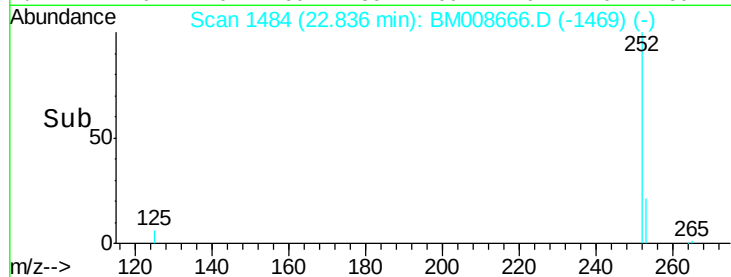
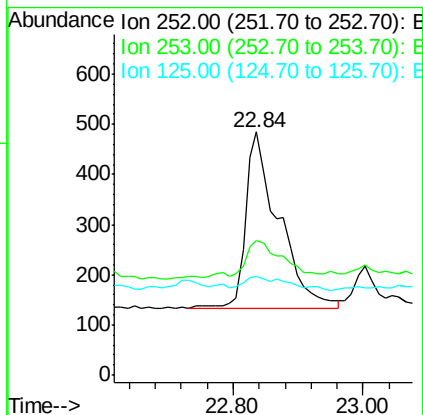
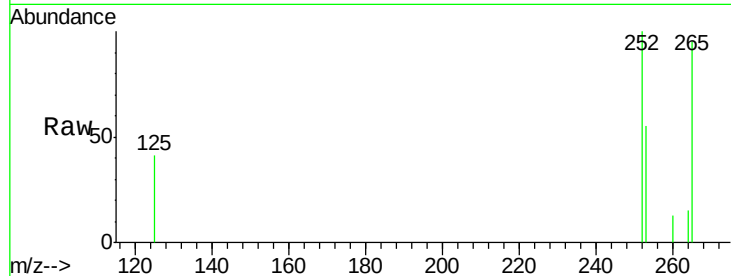
Instrument :

BNA_M

ClientSampleId :

DA8X8DL

Tgt Ion:	252	Resp:	1235
Ion Ratio	Lower	Upper	
252	100		
253	55.5	24.5	36.7#
125	40.8	13.7	20.5#



#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

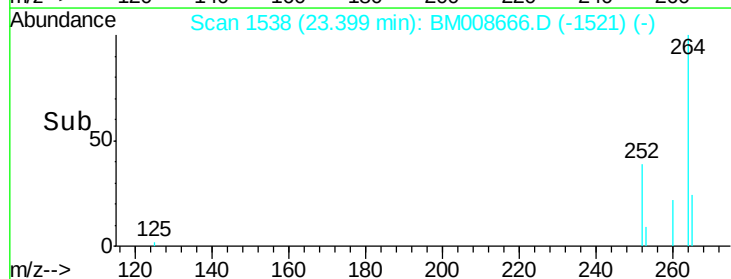
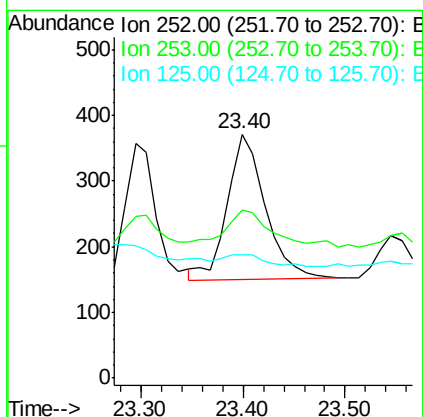
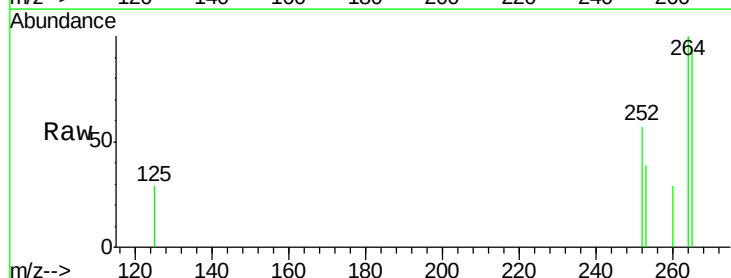
RT: 23.40 min Scan# 1538

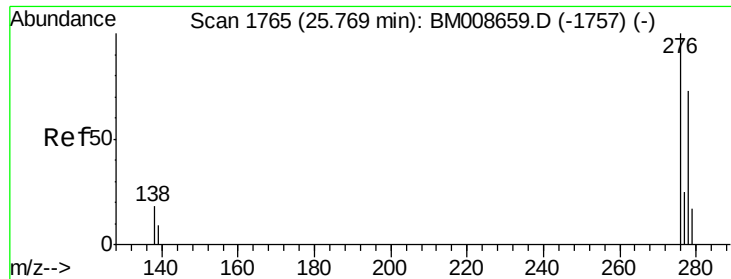
Delta R.T. -0.02 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

Tgt Ion:	252	Resp:	577
Ion Ratio	Lower	Upper	
252	100		
253	69.0	28.5	42.7#
125	50.7	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

Instrument :

BNA_M

ClientSampleId :

DA8X8DL

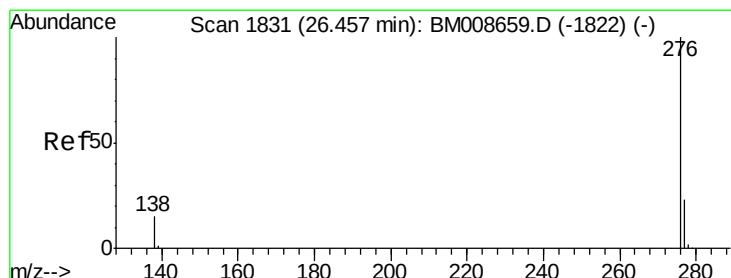
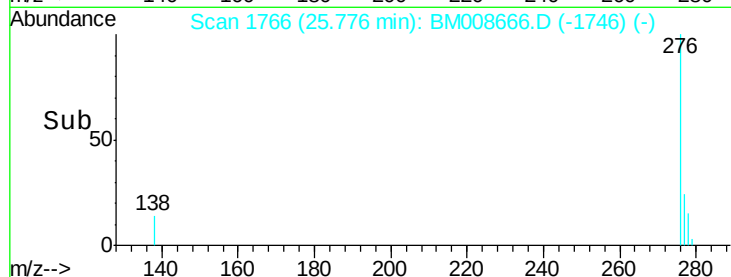
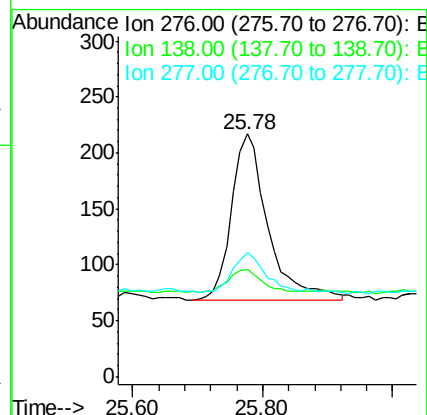
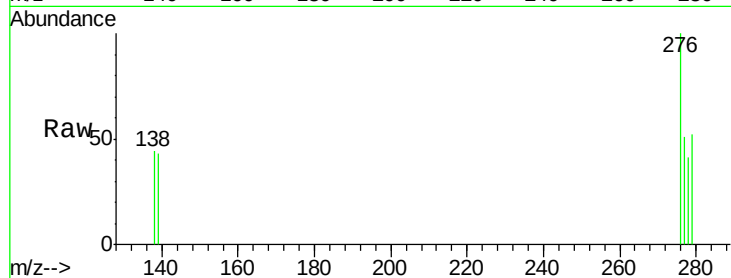
Tgt Ion: 276 Resp: 586

Ion Ratio Lower Upper

276 100

138 13.3 19.1 28.7#

277 22.4 19.6 29.4



#26

Benzo(g,h,i)perylene

Concen: 0.09 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BM008666.D

Acq: 25 Dec 2016 11:57

Tgt Ion: 276 Resp: 568

Ion Ratio Lower Upper

276 100

277 52.9 21.8 32.8#

138 44.8 20.5 30.7#

