

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
 Data File : BM008268.D
 Acq On : 12 Dec 2016 17:57
 Operator : UM/SJ
 Sample : H5905-12DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA812DL

Quant Time: Dec 13 02:31:49 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 Dec 13 02:27:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	492	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	1487	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	830	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1596	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1728	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1633	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	114	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	445	0.10	ng/ul	-0.01

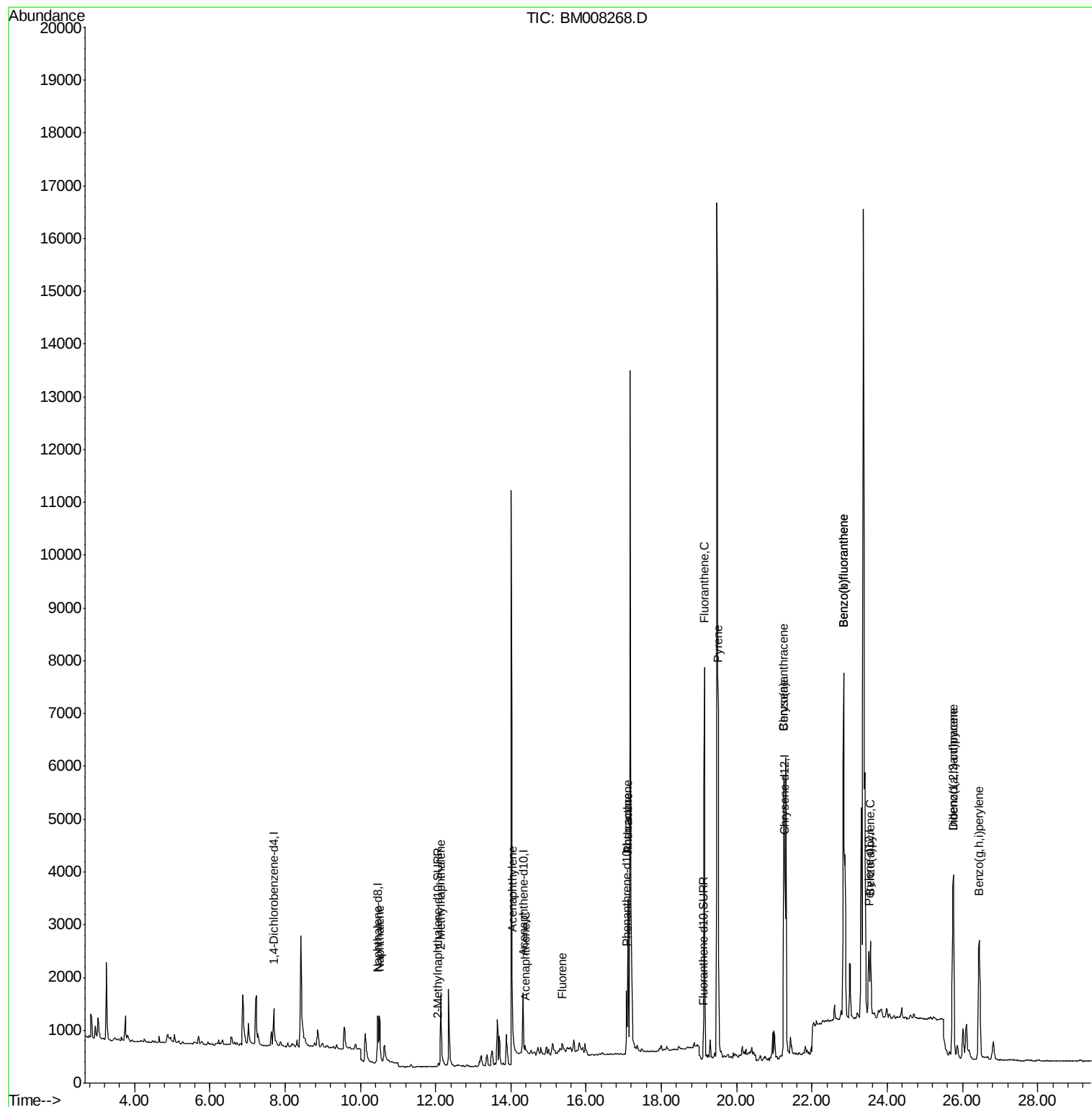
Target Compounds						Qvalue
3) Naphthalene	10.51	128	1440	0.35	ng/ul#	91
5) 2-Methylnaphthalene	12.14	142	1310	0.49	ng/ul	94
7) Acenaphthylene	14.04	152	960	0.26	ng/ul#	86
8) Acenaphthene	14.38	153	145	0.05	ng/ul#	88
9) Fluorene	15.38	166	113	0.03	ng/ul#	51
12) Phenanthrene	17.11	178	3788	0.76	ng/ul	99
13) Anthracene	17.11	178	3764	0.81	ng/ul	98
15) Fluoranthene	19.14	202	8131	1.27	ng/ul	95
17) Pyrene	19.51	202	6858	1.14	ng/ul	97
18) Benzo(a)anthracene	21.25	228	5162	0.97	ng/ul	96
19) Chrysene	21.25	228	5125	0.78	ng/ul	96
21) Benzo(b)fluoranthene	22.84	252	14672	2.25	ng/ul	86
22) Benzo(k)fluoranthene	22.84	252	14672	2.18	ng/ul#	88
23) Benzo(a)pyrene	23.56	252	1878	0.31	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.76	276	6221	0.82	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.76	278	1510	0.25	ng/ul#	85
26) Benzo(g,h,i)perylene	26.44	276	5272	0.79	ng/ul#	91

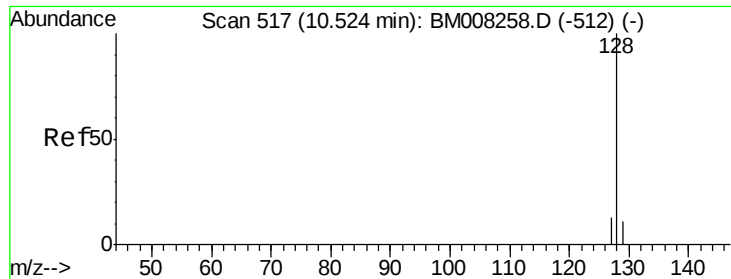
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.35 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

DA812DL

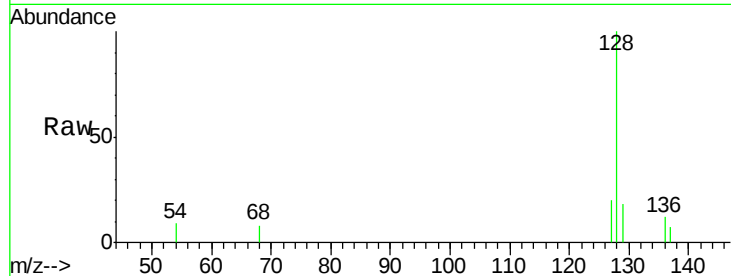
Tgt Ion:128 Resp: 1440

Ion Ratio Lower Upper

128 100

129 17.6 11.3 16.9#

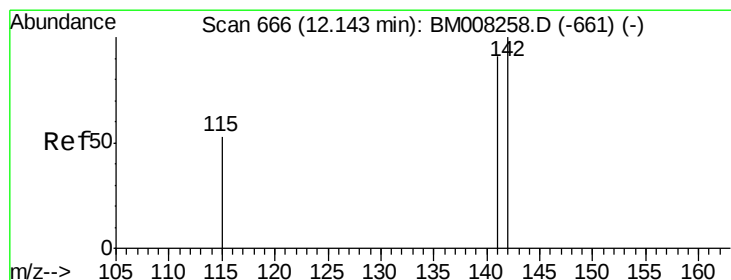
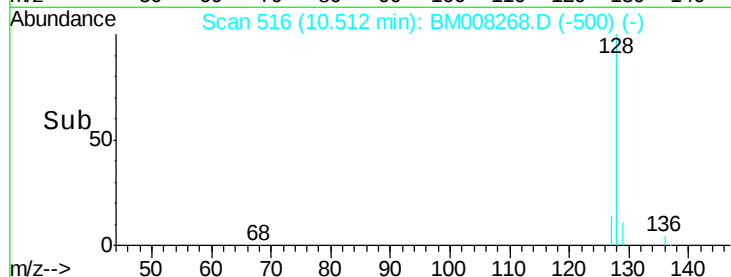
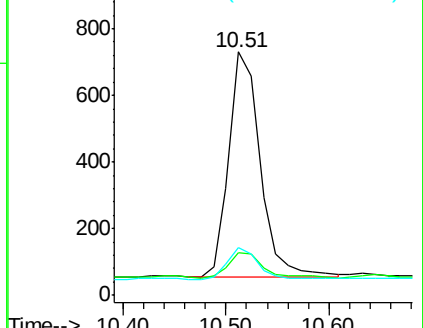
127 19.8 12.8 19.2#



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: 0.49 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.00 min

Lab File: BM008268.D

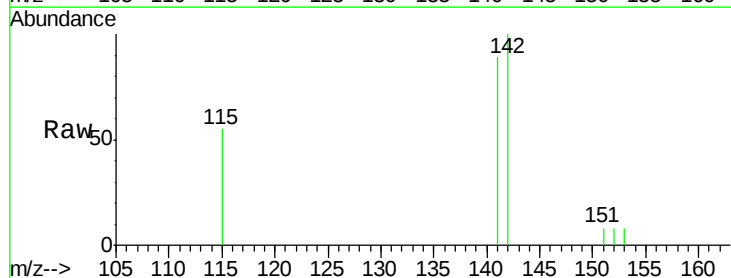
Acq: 12 Dec 2016 17:57

Tgt Ion:142 Resp: 1310

Ion Ratio Lower Upper

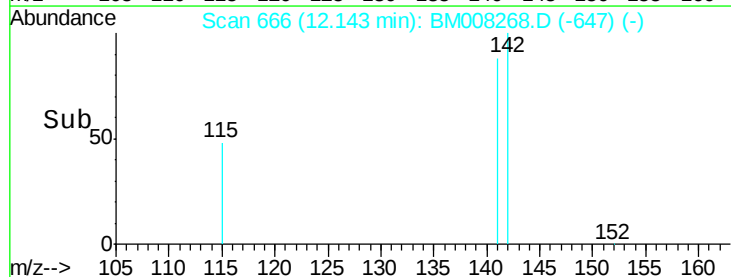
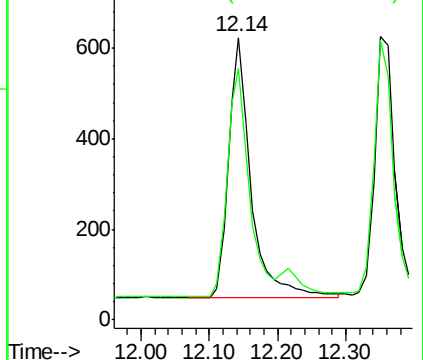
142 100

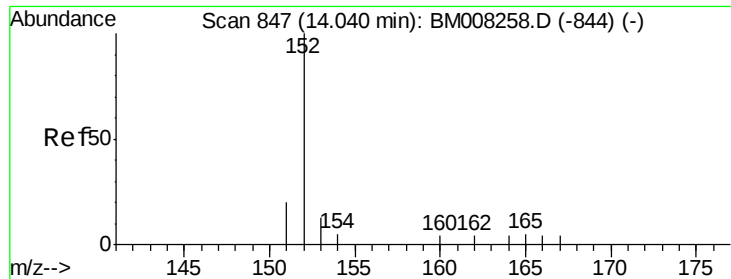
141 84.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.26 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

DA812DL

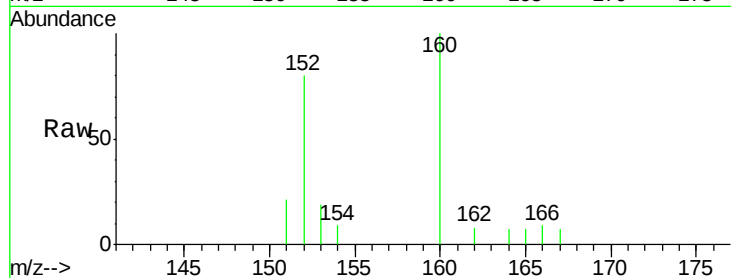
Tgt Ion:152 Resp: 960

Ion Ratio Lower Upper

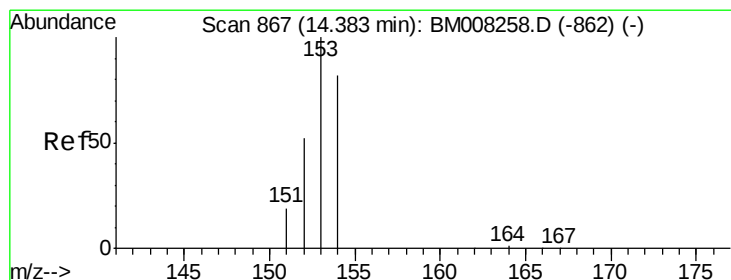
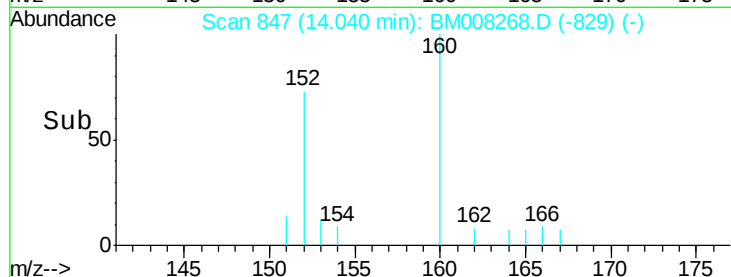
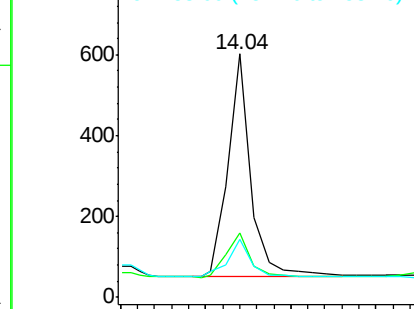
152 100

151 26.4 17.1 25.7#

153 24.1 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: 0.05 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

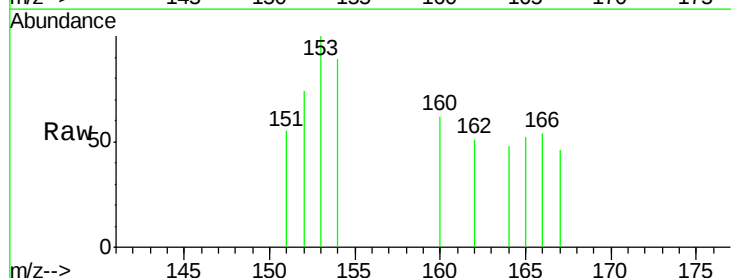
Tgt Ion:153 Resp: 145

Ion Ratio Lower Upper

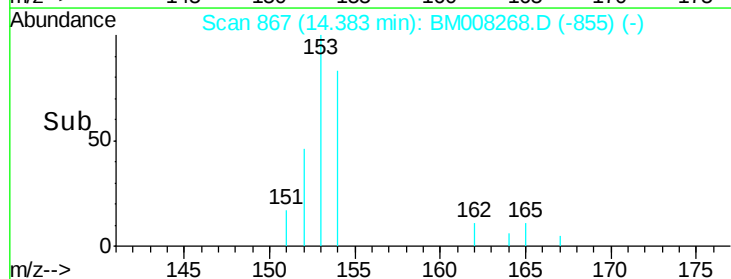
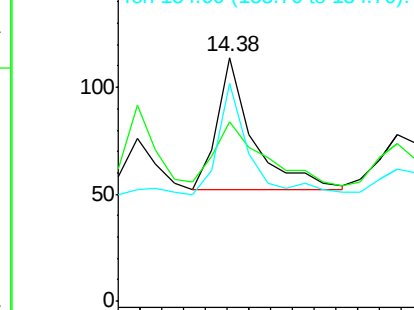
153 100

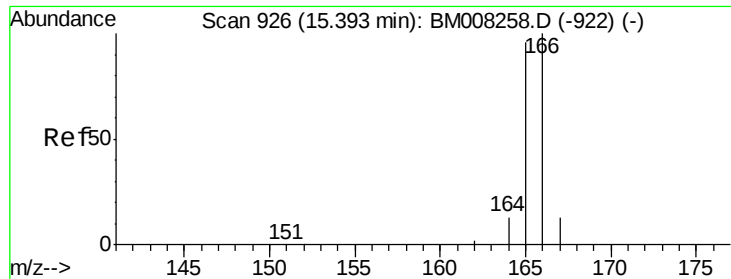
152 73.7 40.3 60.5#

154 89.5 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: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

DA812DL

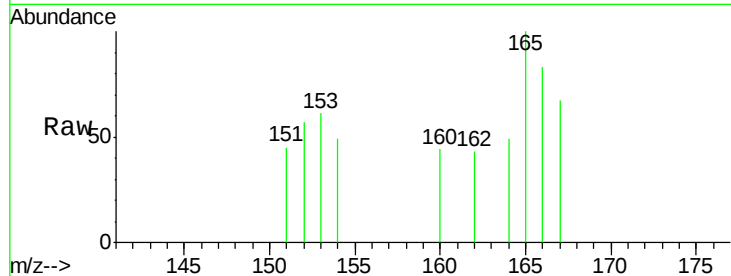
Tgt Ion:166 Resp: 113

Ion Ratio Lower Upper

166 100

165 120.8 73.4 110.2#

167 81.2 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

15.38

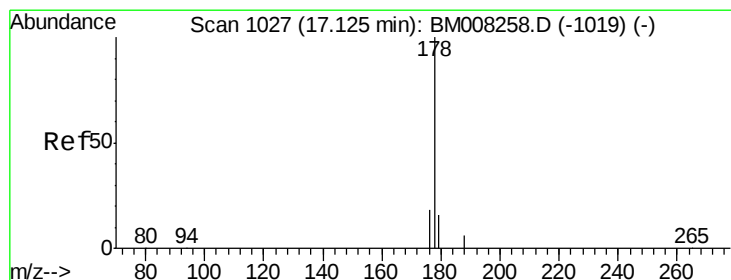
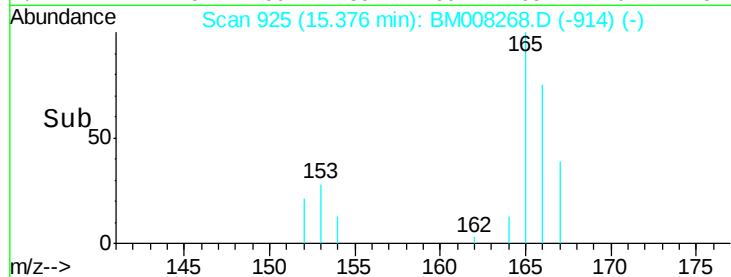
100

50

0

Time-->

15.35 15.40 15.45



#12

Phenanthrene

Concen: 0.76 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

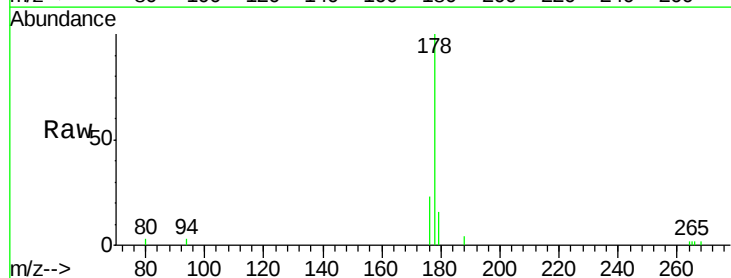
Tgt Ion:178 Resp: 3788

Ion Ratio Lower Upper

178 100

176 22.6 18.4 27.6

179 16.5 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

17.11

3000

2500

2000

1500

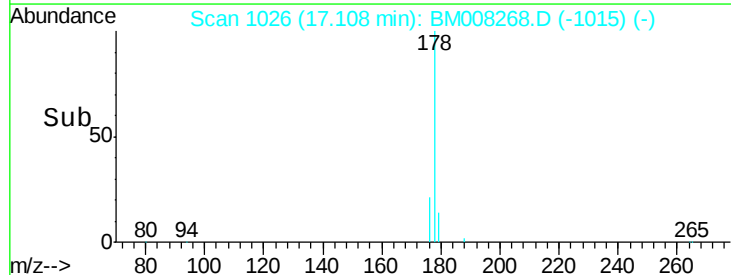
1000

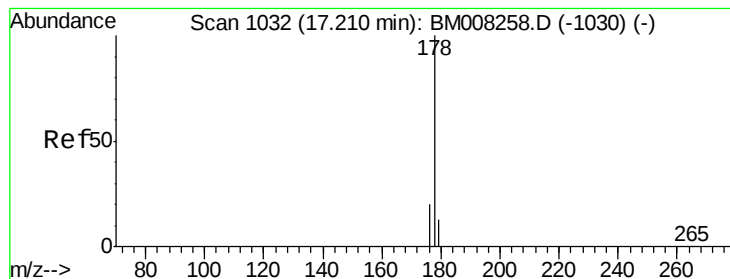
500

0

Time-->

16.90 17.00 17.10 17.20





#13

Anthracene

Concen: 0.81 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.10 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

DA812DL

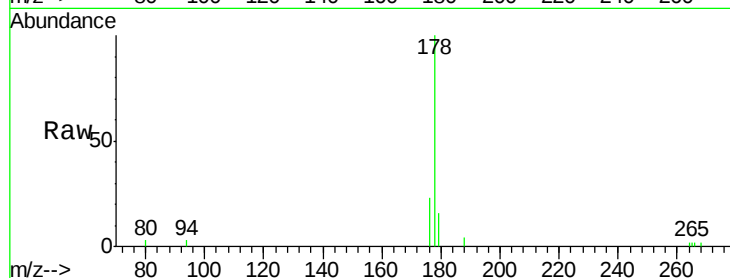
Tgt Ion:178 Resp: 3764

Ion Ratio Lower Upper

178 100

176 22.6 18.1 27.1

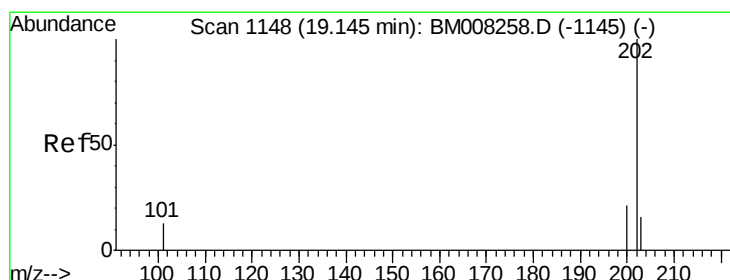
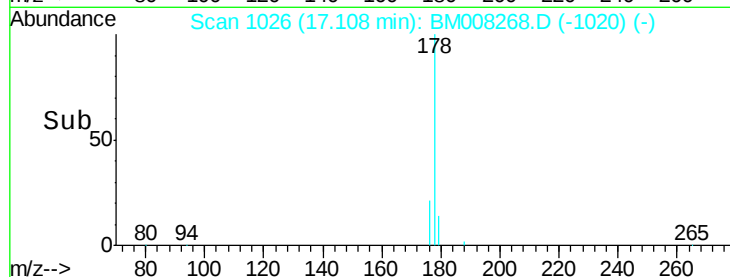
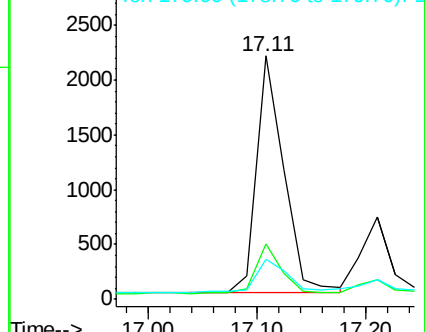
179 16.5 14.7 22.1



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: 1.27 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

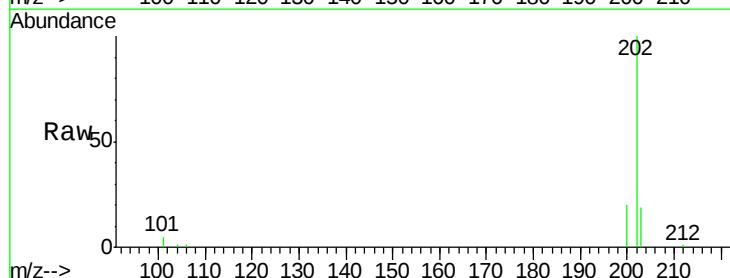
Tgt Ion:202 Resp: 8131

Ion Ratio Lower Upper

202 100

101 5.4 0.0 30.3

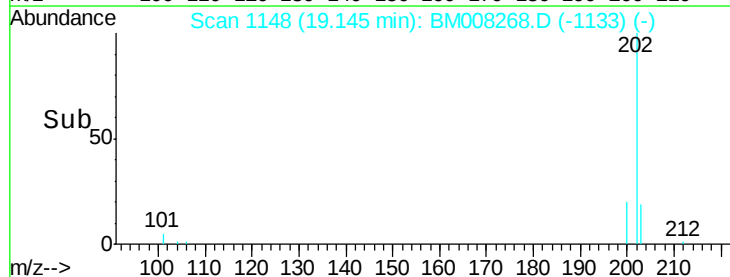
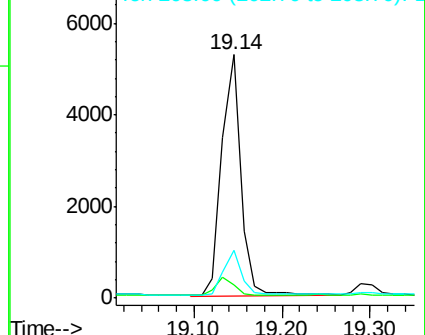
203 19.4 0.0 39.5

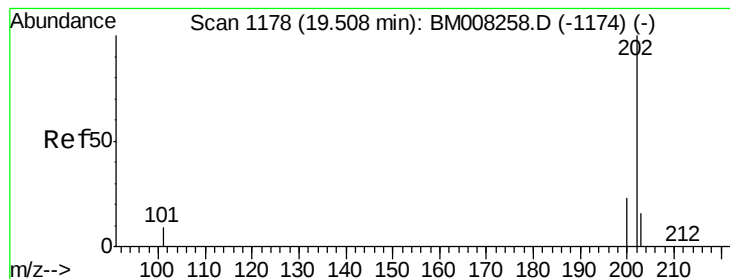


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 1.14 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

DA812DL

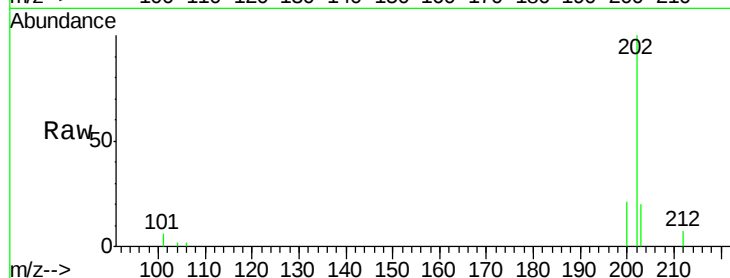
Tgt Ion:202 Resp: 6858

Ion Ratio Lower Upper

202 100

200 20.6 18.2 27.4

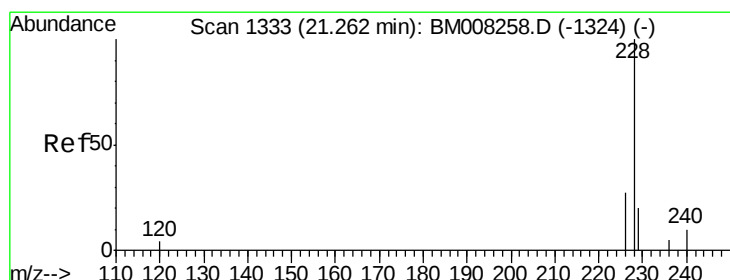
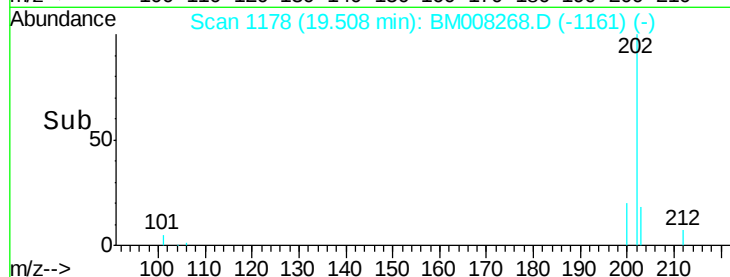
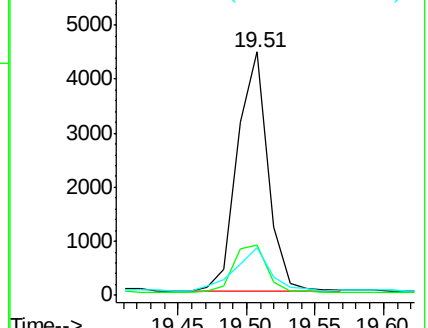
203 19.8 15.6 23.4



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



#18

Benzo(a)anthracene

Concen: 0.97 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

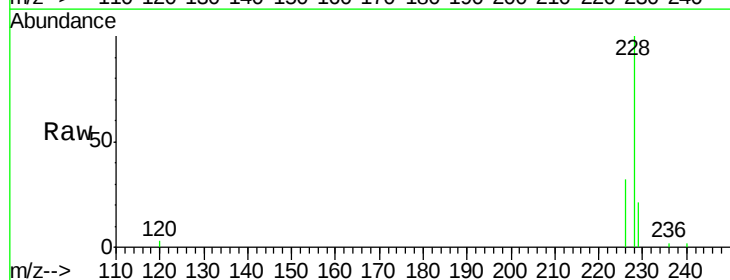
Tgt Ion:228 Resp: 5162

Ion Ratio Lower Upper

228 100

226 31.7 22.8 34.2

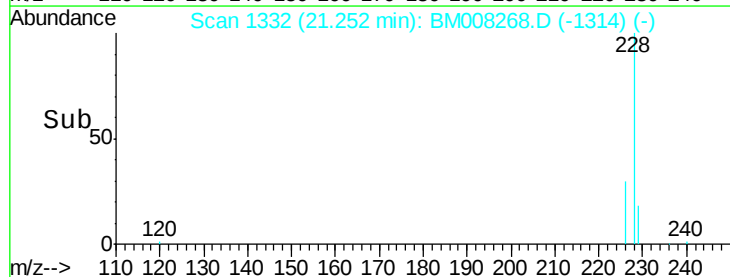
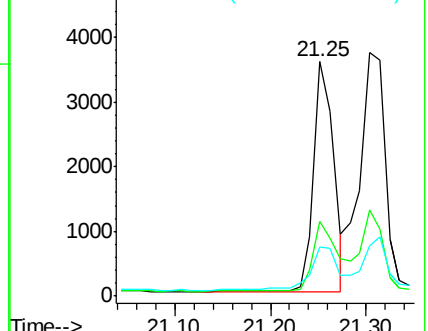
229 20.9 17.0 25.6

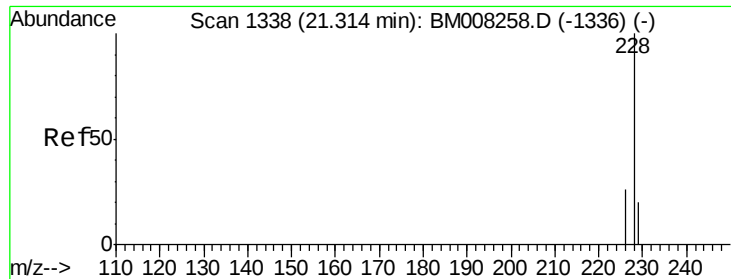


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.78 ng/u1

RT: 21.25 min Scan# 1332

Delta R.T. -0.06 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

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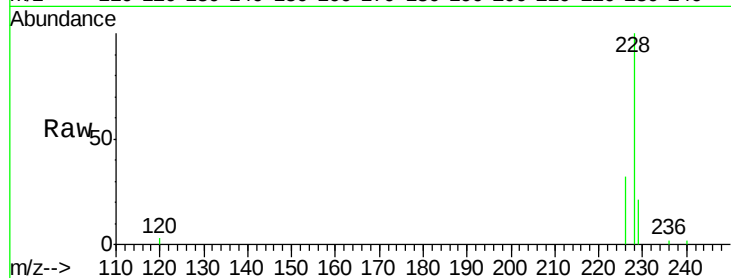
Tgt Ion:228 Resp: 5125

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

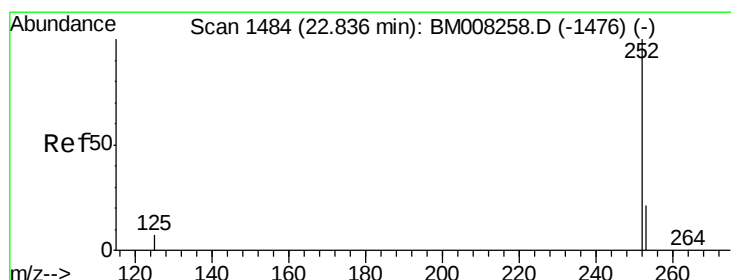
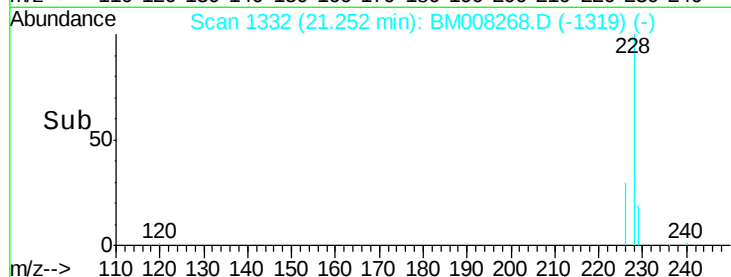
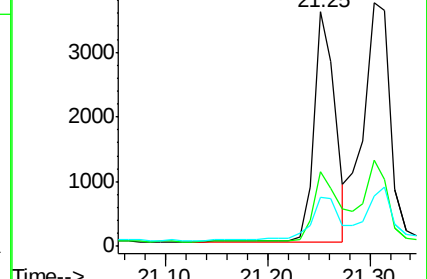
229 20.9 17.7 26.5



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: 2.25 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

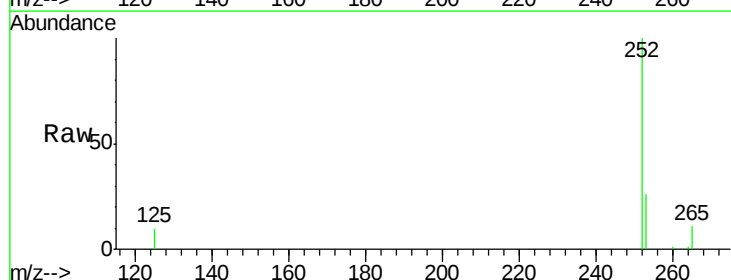
Tgt Ion:252 Resp: 14672

Ion Ratio Lower Upper

252 100

253 25.8 0.0 64.2

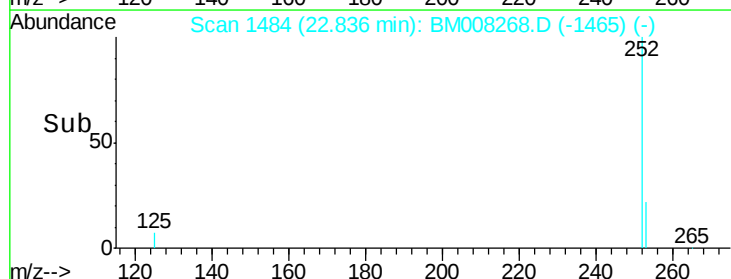
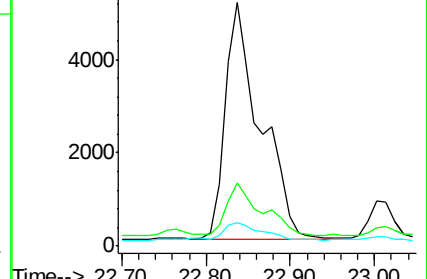
125 9.8 0.0 35.0

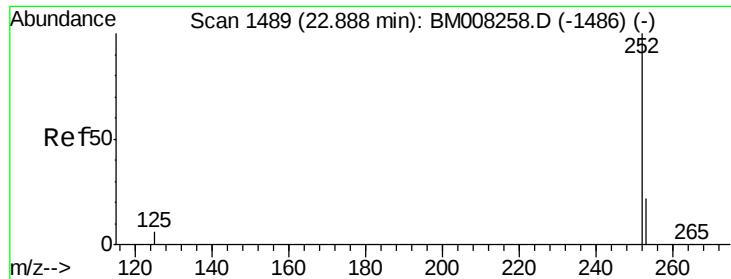


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.18 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

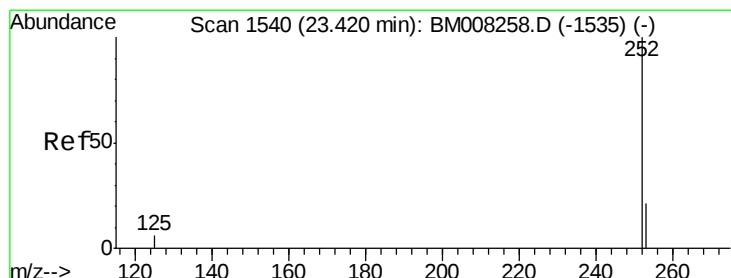
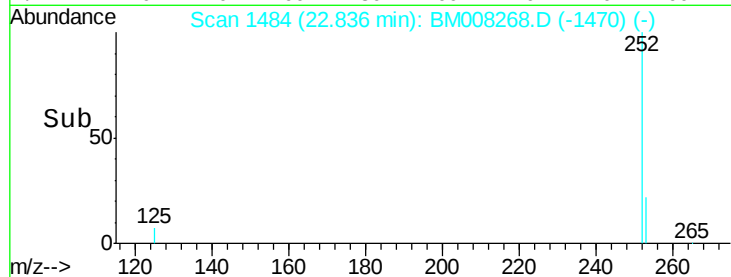
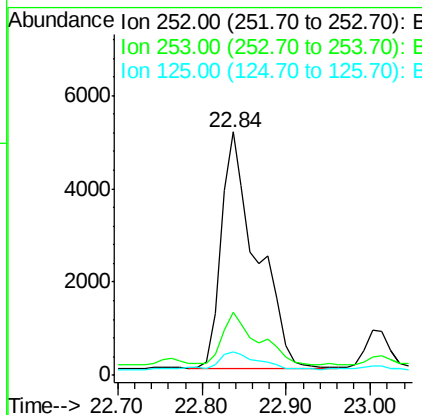
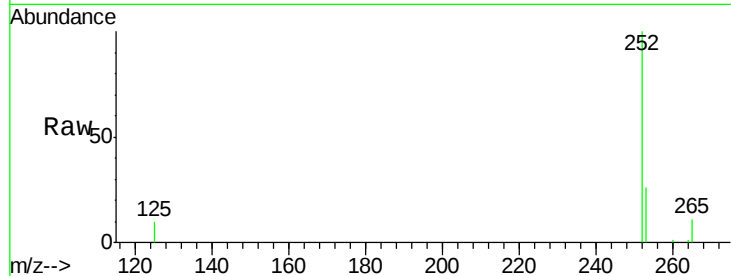
BNA_M

ClientSampleId :

DA812DL

Tgt Ion:252 Resp: 14672

Ion	Ratio	Lower	Upper
252	100		
253	25.8	24.5	36.7
125	9.8	13.7	20.5#



#23

Benzo(a)pyrene

Concen: 0.31 ng/ul

RT: 23.56 min Scan# 1553

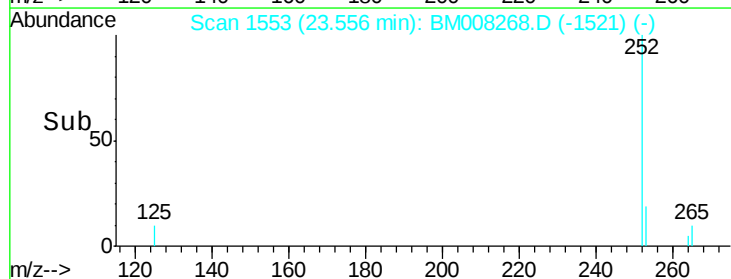
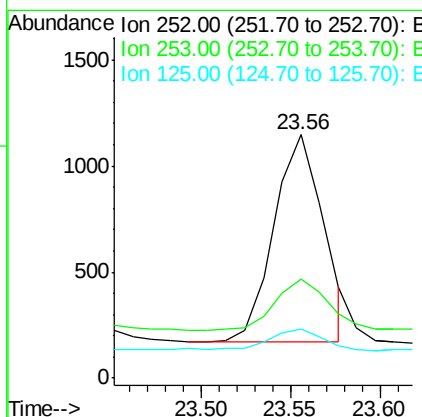
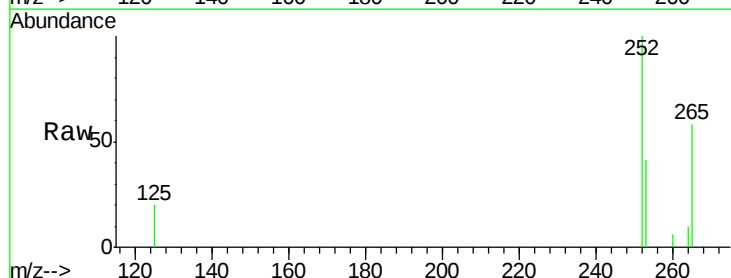
Delta R.T. 0.14 min

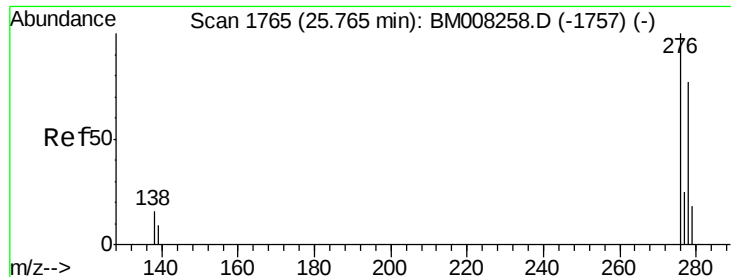
Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Tgt Ion:252 Resp: 1878

Ion	Ratio	Lower	Upper
252	100		
253	40.5	28.5	42.7
125	20.3	18.1	27.1





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.82 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

DA812DL

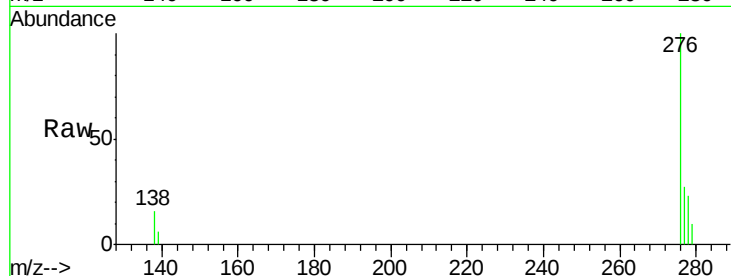
Tgt Ion:276 Resp: 6221

Ion Ratio Lower Upper

276 100

138 14.3 19.1 28.7#

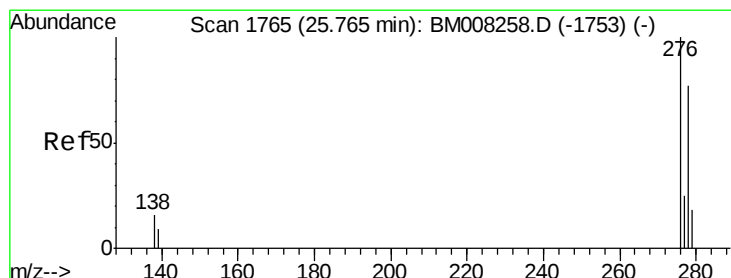
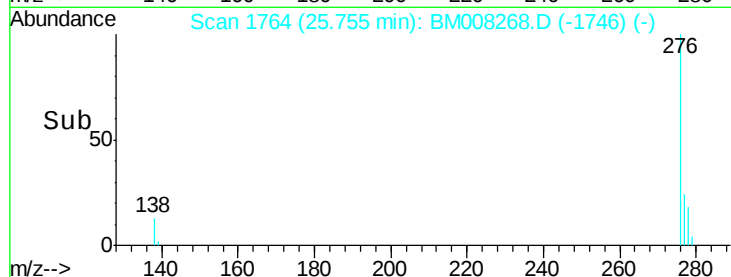
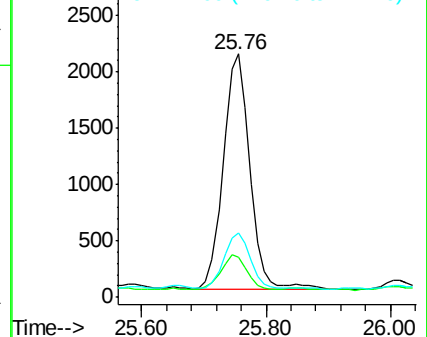
277 22.5 19.6 29.4



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: 0.25 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008268.D

Acq: 12 Dec 2016 17:57

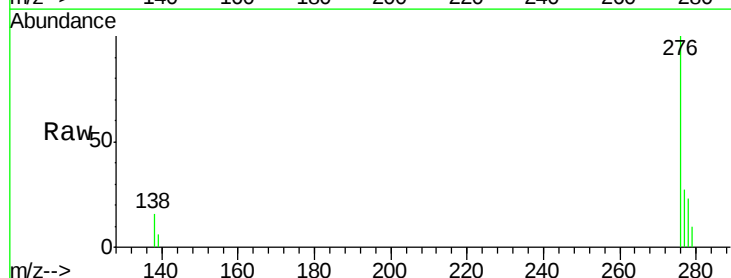
Tgt Ion:278 Resp: 1510

Ion Ratio Lower Upper

278 100

139 24.8 17.4 26.0

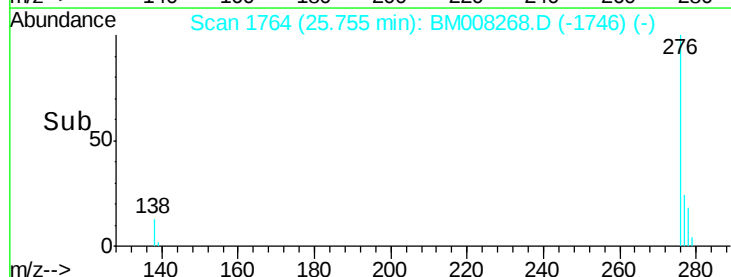
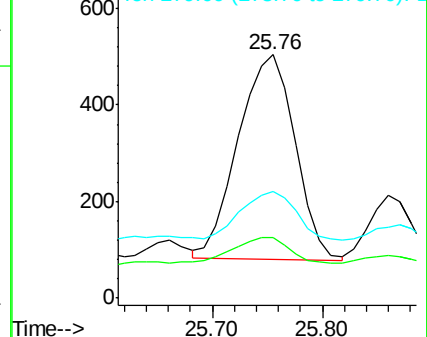
279 43.7 25.9 38.9#

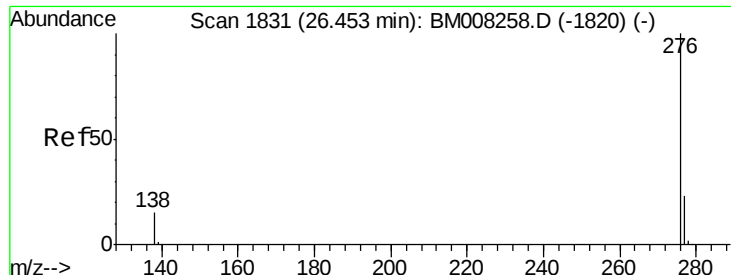


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.79 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM008268.D

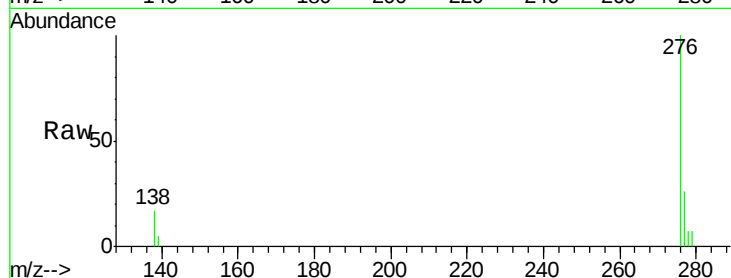
Acq: 12 Dec 2016 17:57

Instrument :

BNA_M

ClientSampleId :

DA812DL



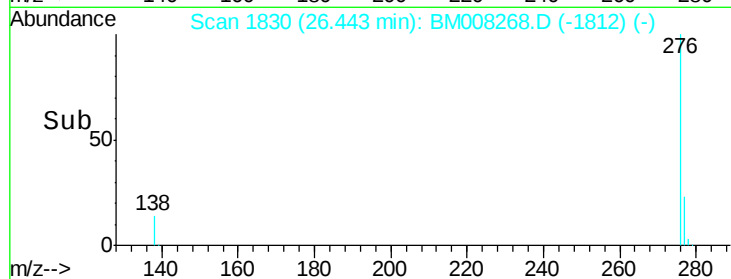
Tgt Ion: 276 Resp: 5272

Ion Ratio Lower Upper

276 100

277 26.3 21.8 32.8

138 17.1 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

