

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008218.D
 Acq On : 09 Dec 2016 22:52
 Operator : UM/SJ
 Sample : H5863-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Z8

Quant Time: Dec 10 04:41:17 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 10 04:37:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	838	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1583	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.31	164	1636	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2014	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1724	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1656	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	1097	0.49	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	13025	2.28	ng/ul	-0.01

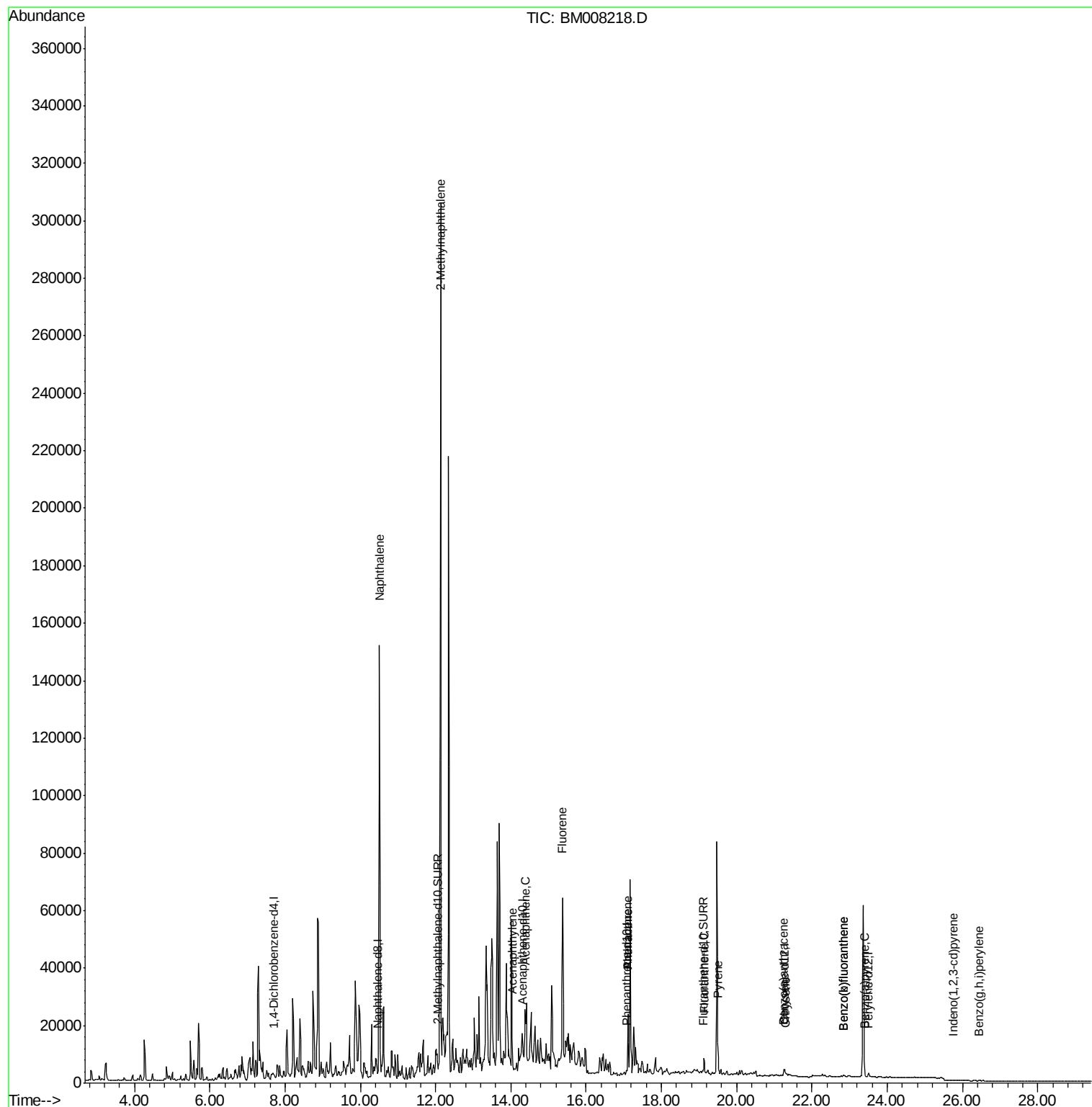
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	202473	45.74	ng/ul	94
5) 2-Methylnaphthalene	12.13	142	226282	79.30	ng/ul	99
7) Acenaphthylene	14.04	152	5314	0.72	ng/ul#	10
8) Acenaphthene	14.38	153	13599	2.41	ng/ul	96
9) Fluorene	15.38	166	40274	6.22	ng/ul#	83
12) Phenanthrene	17.11	178	27771	4.43	ng/ul	97
13) Anthracene	17.11	178	26580	4.51	ng/ul	98
15) Fluoranthene	19.14	202	6433	0.79	ng/ul	81
17) Pyrene	19.50	202	7961	1.33	ng/ul#	84
18) Benzo(a)anthracene	21.26	228	1627	0.31	ng/ul#	20
19) Chrysene	21.31	228	1456	0.22	ng/ul#	24
21) Benzo(b)fluoranthene	22.84	252	888	0.13	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	888	0.13	ng/ul#	1
23) Benzo(a)pyrene	23.40	252	639	0.10	ng/ul#	24
24) Indeno(1,2,3-cd)pyrene	25.75	276	280	0.04	ng/ul	94
26) Benzo(g,h,i)perylene	26.44	276	266	0.04	ng/ul#	13

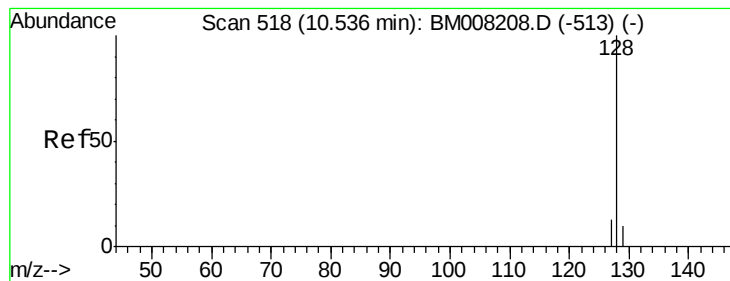
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 45.74 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

Instrument :

BNA_M

ClientSampleId :

DA7Z8

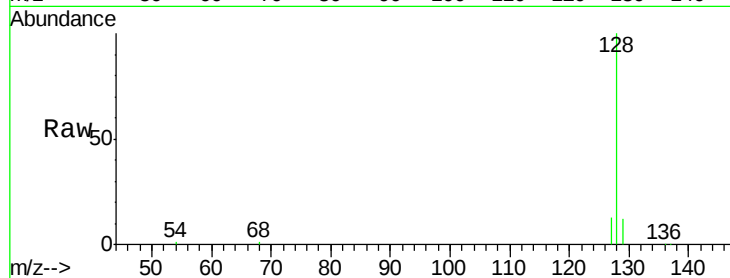
Tgt Ion:128 Resp: 202473

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

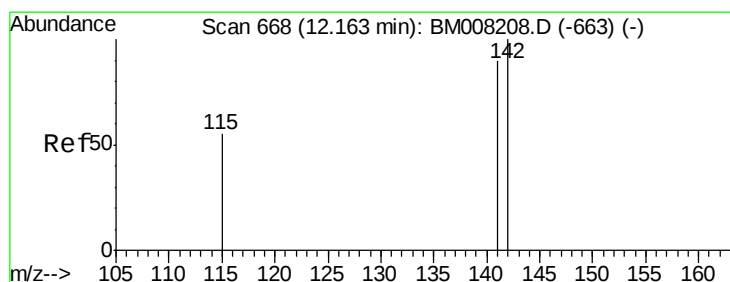
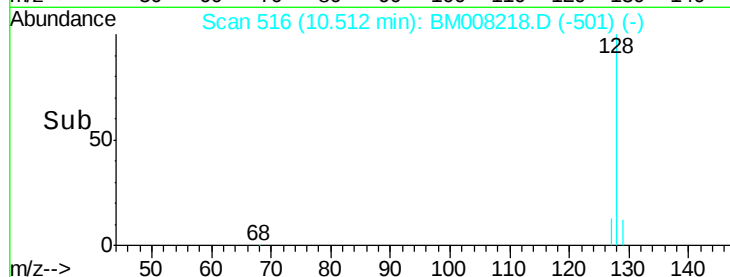
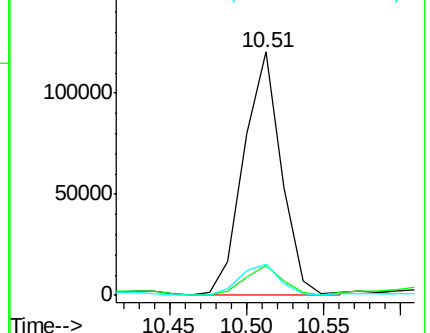
127 13.0 12.8 19.2



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: 79.30 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.03 min

Lab File: BM008218.D

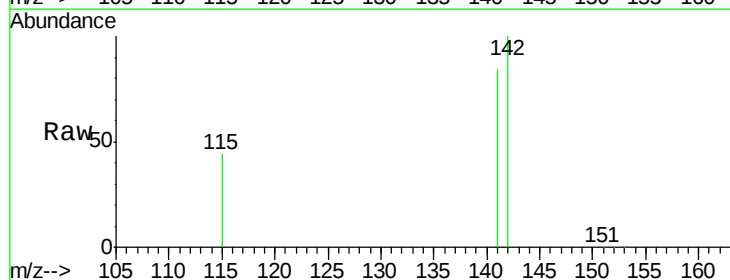
Acq: 09 Dec 2016 22:52

Tgt Ion:142 Resp: 226282

Ion Ratio Lower Upper

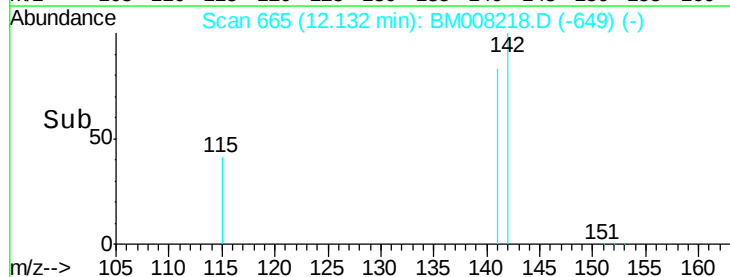
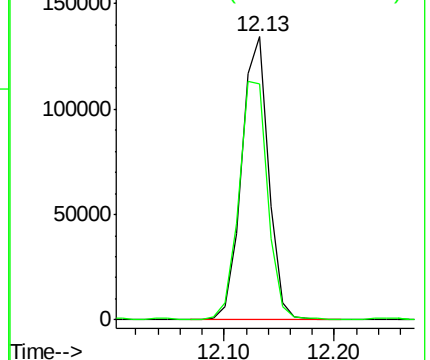
142 100

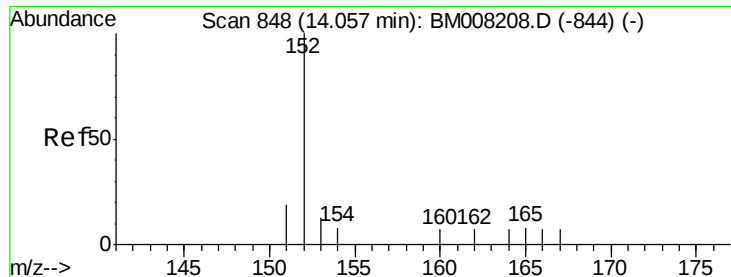
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.72 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

Instrument :

BNA_M

ClientSampleId :

DA7Z8

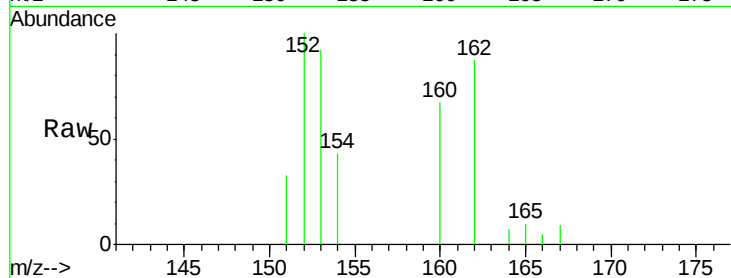
Tgt Ion:152 Resp: 5314

Ion Ratio Lower Upper

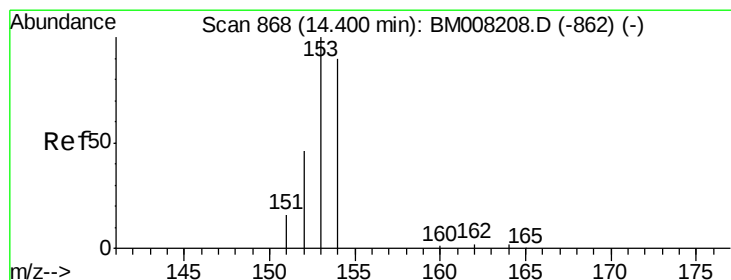
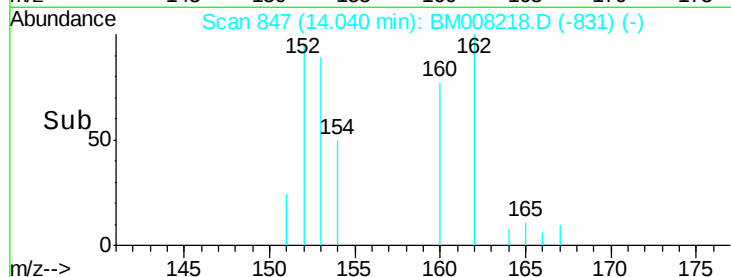
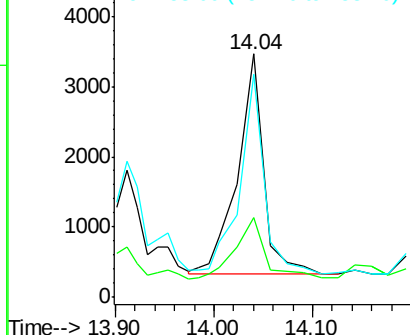
152 100

151 32.7 17.1 25.7#

153 91.8 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: 2.41 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

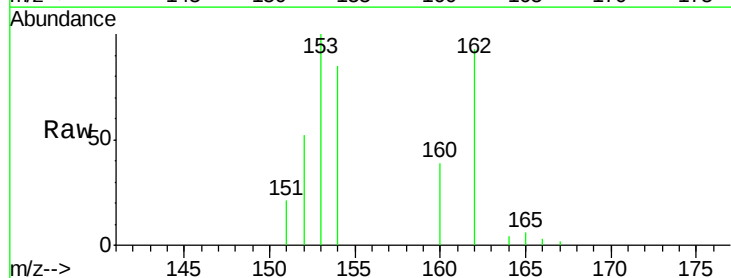
Tgt Ion:153 Resp: 13599

Ion Ratio Lower Upper

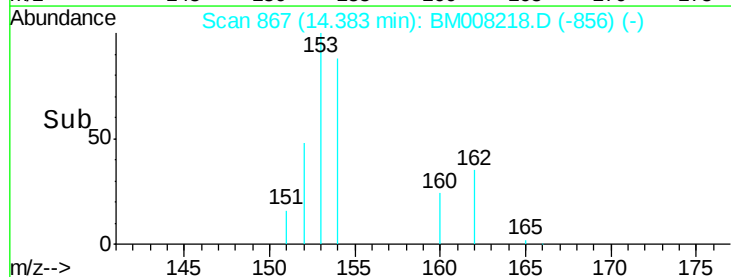
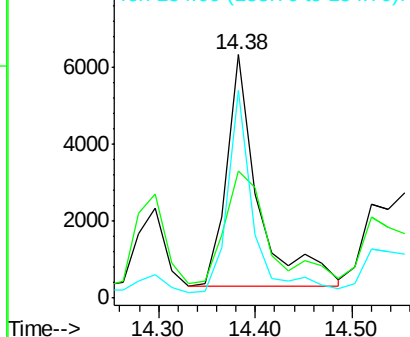
153 100

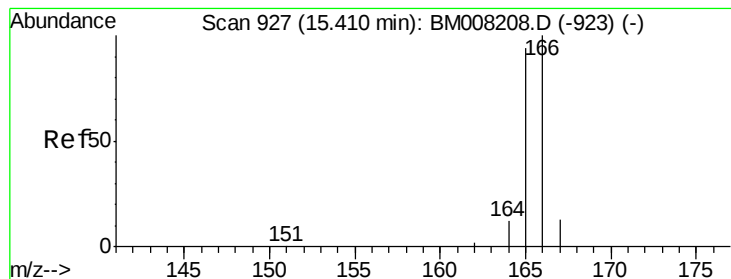
152 52.2 40.3 60.5

154 85.2 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: 6.22 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.03 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

Instrument :

BNA_M

ClientSampleId :

DA7Z8

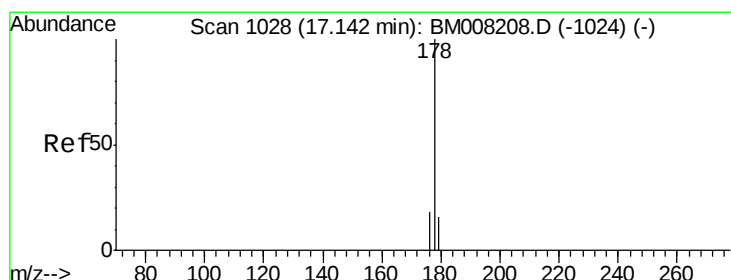
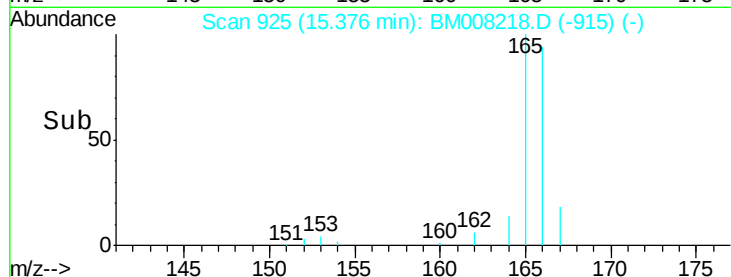
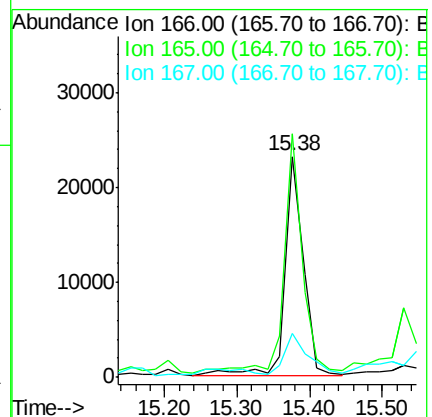
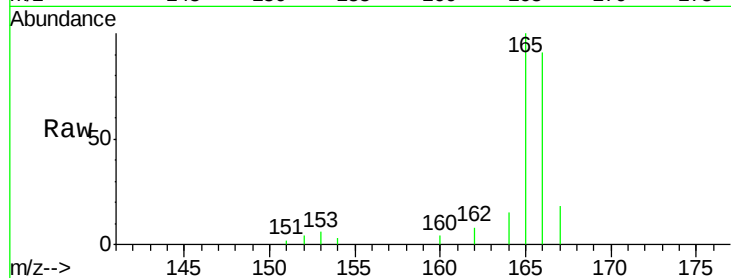
Tgt Ion:166 Resp: 40274

Ion Ratio Lower Upper

166 100

165 110.3 73.4 110.2#

167 19.7 14.6 22.0



#12

Phenanthrene

Concen: 4.43 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

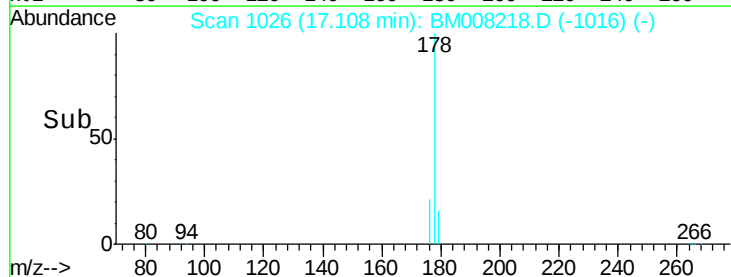
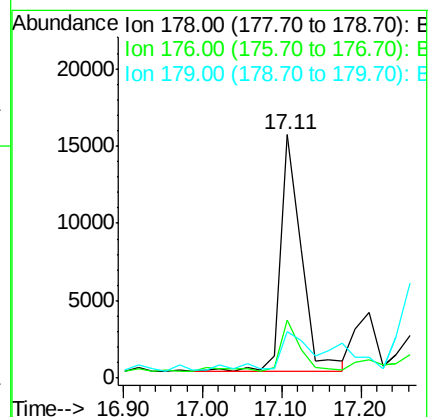
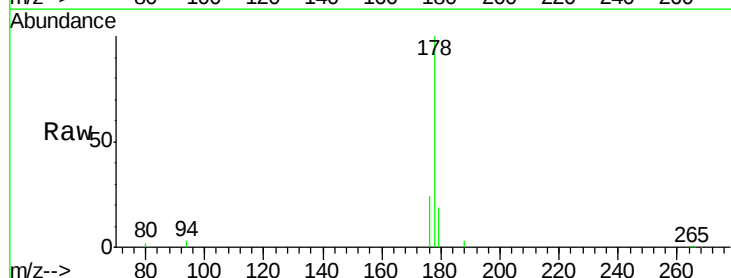
Tgt Ion:178 Resp: 27771

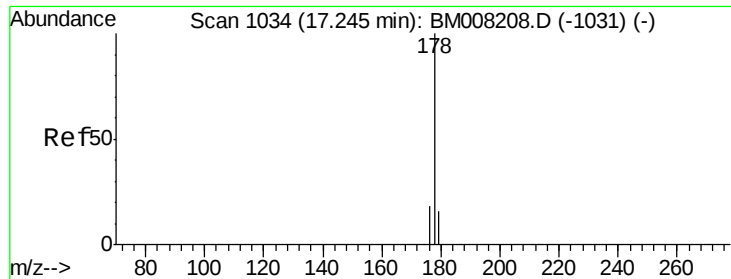
Ion Ratio Lower Upper

178 100

176 23.6 18.4 27.6

179 19.2 13.6 20.4





#13

Anthracene

Concen: 4.51 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.14 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

Instrument :

BNA_M

ClientSampleId :

DA7Z8

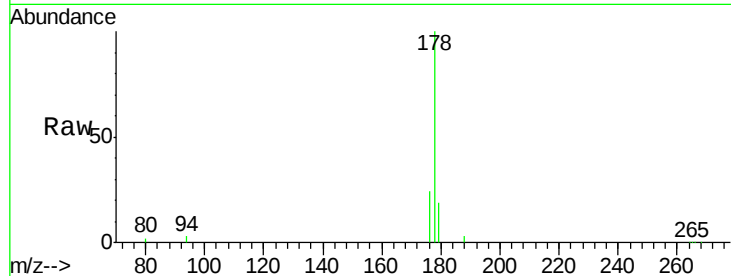
Tgt Ion:178 Resp: 26580

Ion Ratio Lower Upper

178 100

176 23.6 18.1 27.1

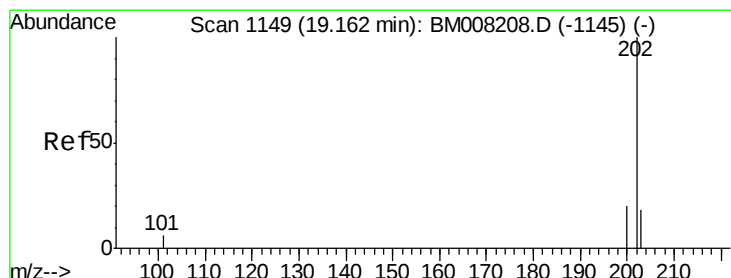
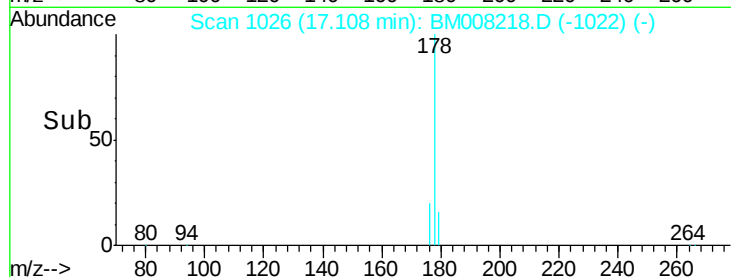
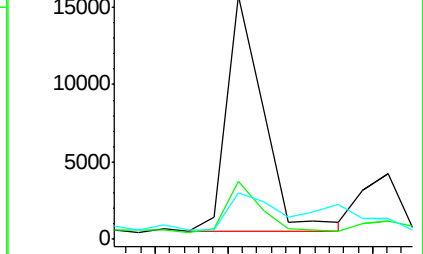
179 19.2 14.7 22.1



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: 0.79 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

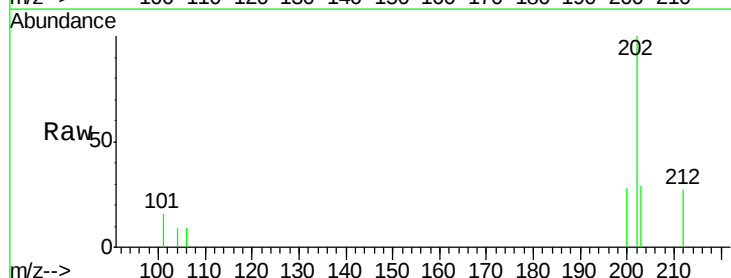
Tgt Ion:202 Resp: 6433

Ion Ratio Lower Upper

202 100

101 15.7 0.0 30.3

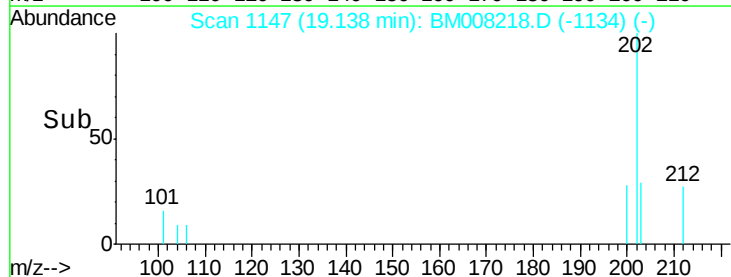
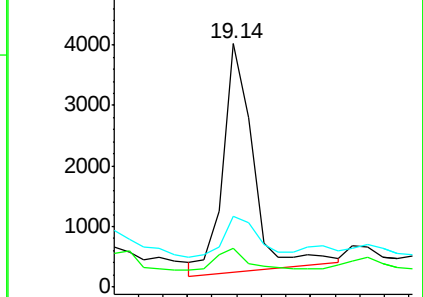
203 29.2 0.0 39.5

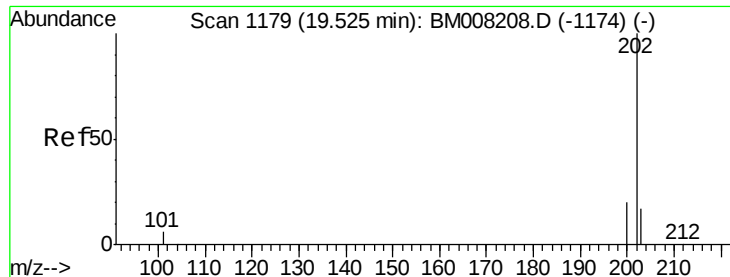


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

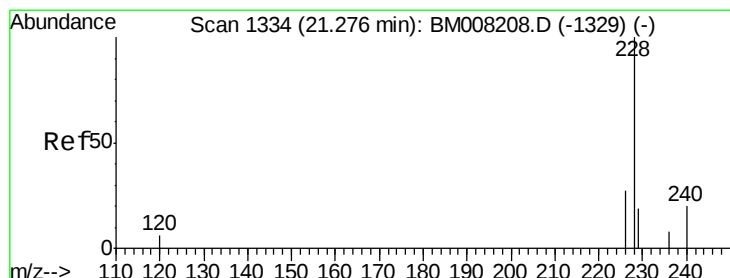
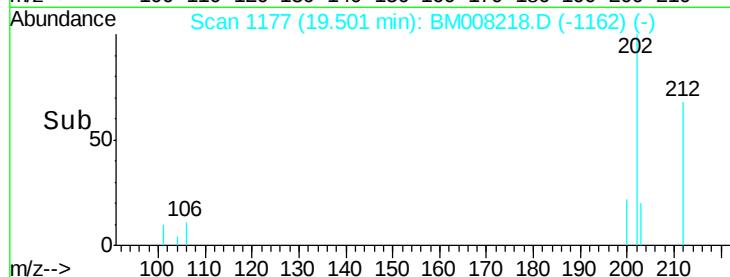
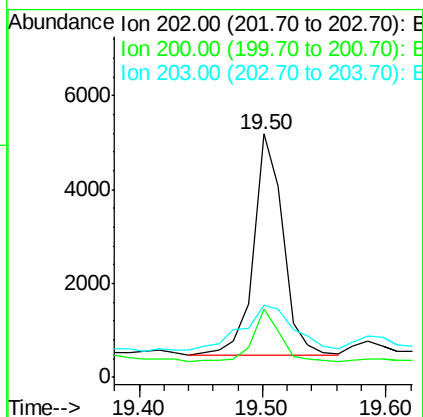
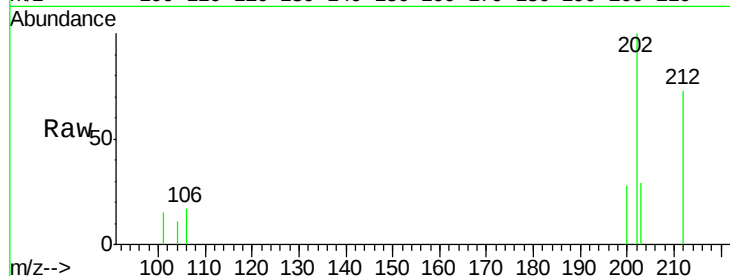




#17
 Pyrene
 Concen: 1.33 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BM008218.D
 Acq: 09 Dec 2016 22:52

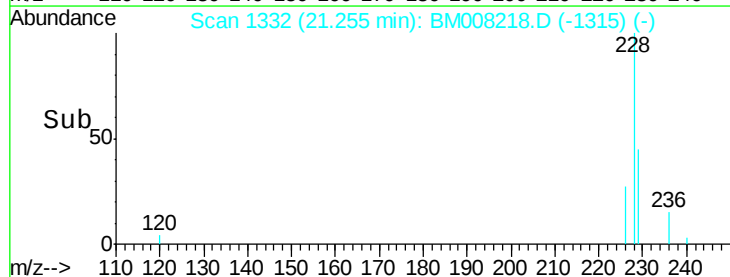
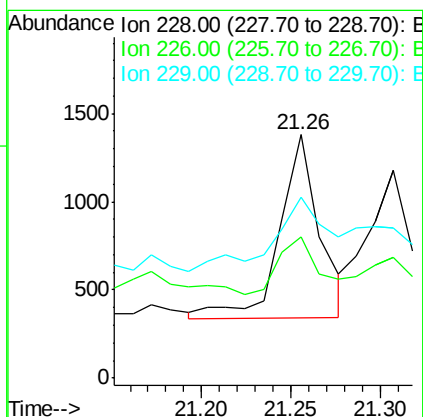
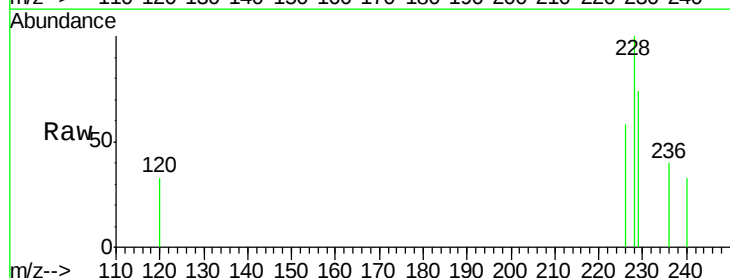
Instrument :
 BNA_M
 ClientSampleId :
 DA7Z8

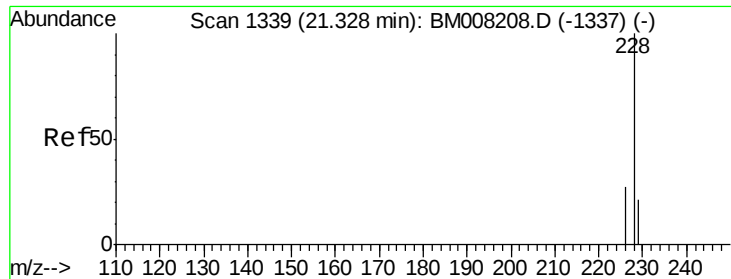
Tgt Ion: 202 Resp: 7961
 Ion Ratio Lower Upper
 202 100
 200 28.0 18.2 27.4#
 203 29.4 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.31 ng/ul
 RT: 21.26 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: BM008218.D
 Acq: 09 Dec 2016 22:52

Tgt Ion: 228 Resp: 1627
 Ion Ratio Lower Upper
 228 100
 226 58.0 22.8 34.2#
 229 74.4 17.0 25.6#





#19

Chrysene

Concen: 0.22 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

Instrument :

BNA_M

ClientSampleId :

DA7Z8

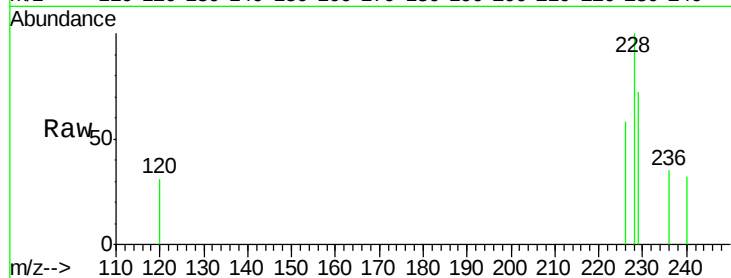
Tgt Ion:228 Resp: 1456

Ion Ratio Lower Upper

228 100

226 58.3 23.4 35.0#

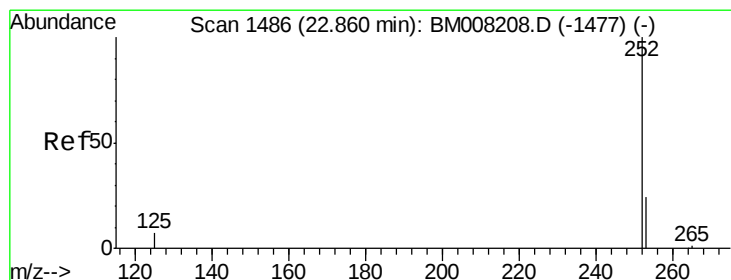
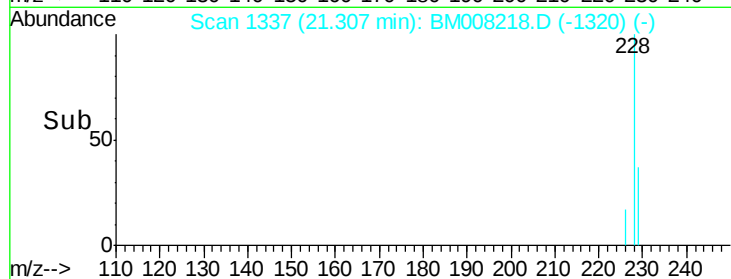
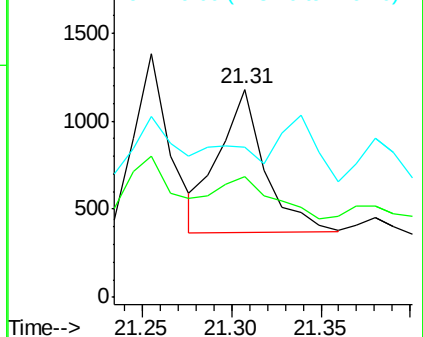
229 72.1 17.7 26.5#



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: 0.13 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

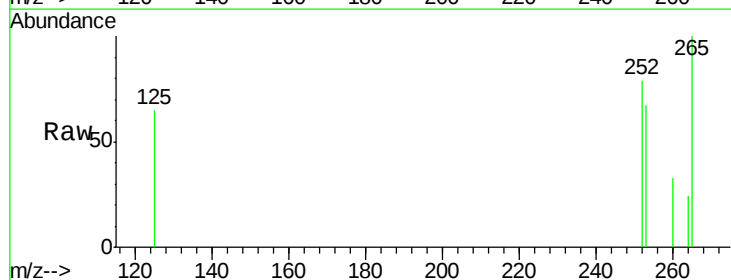
Tgt Ion:252 Resp: 888

Ion Ratio Lower Upper

252 100

253 84.9 0.0 64.2#

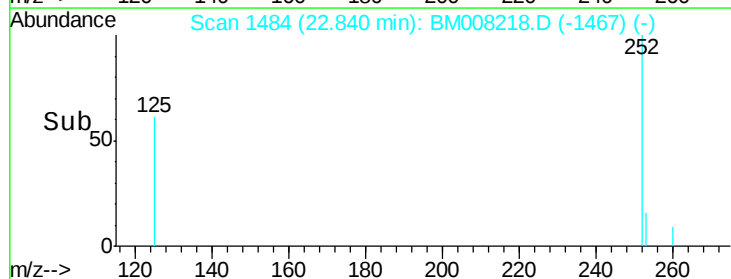
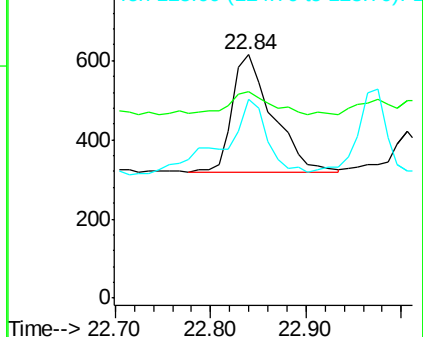
125 81.6 0.0 35.0#

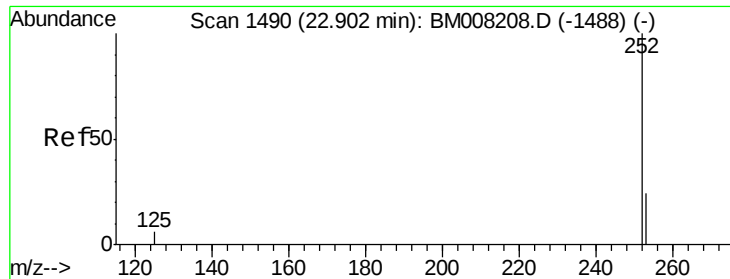


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.13 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.06 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

Instrument :

BNA_M

ClientSampleId :

DA7Z8

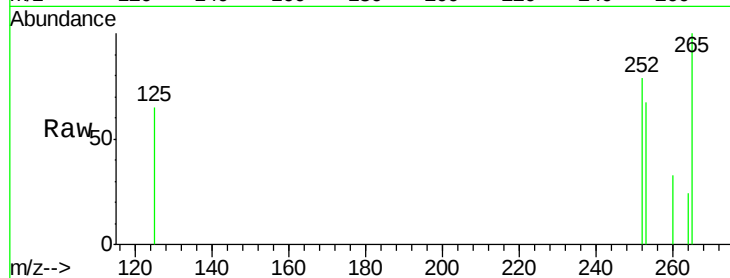
Tgt Ion:252 Resp: 888

Ion Ratio Lower Upper

252 100

253 84.9 24.5 36.7#

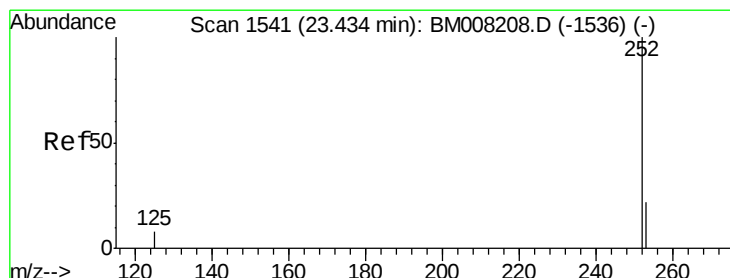
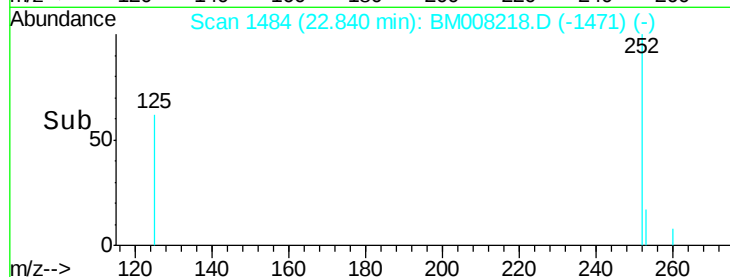
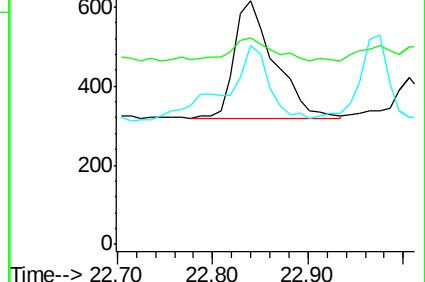
125 81.6 13.7 20.5#



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: 0.10 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.03 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

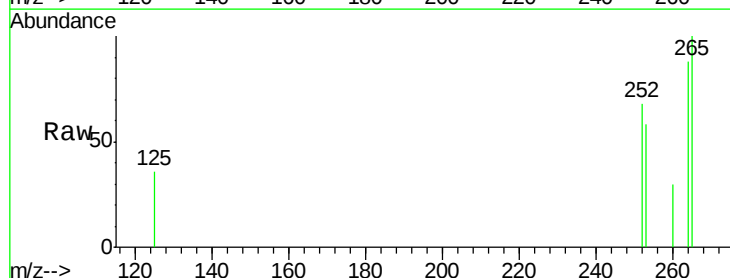
Tgt Ion:252 Resp: 639

Ion Ratio Lower Upper

252 100

253 85.3 28.5 42.7#

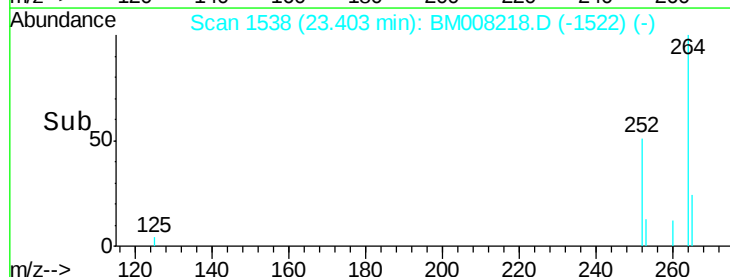
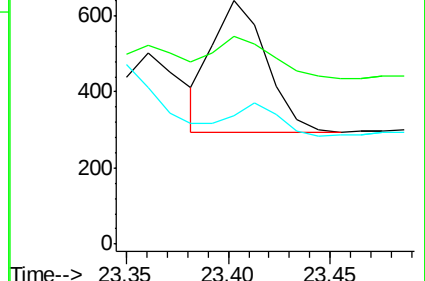
125 52.8 18.1 27.1#

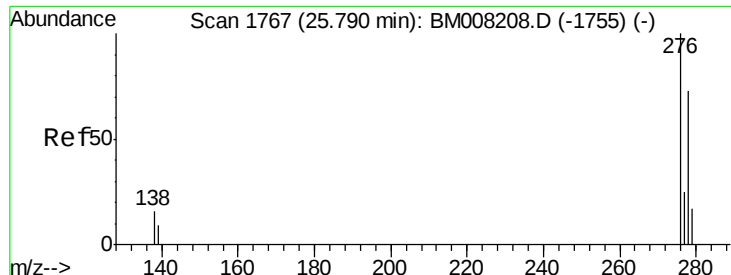


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.04 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.04 min

Lab File: BM008218.D

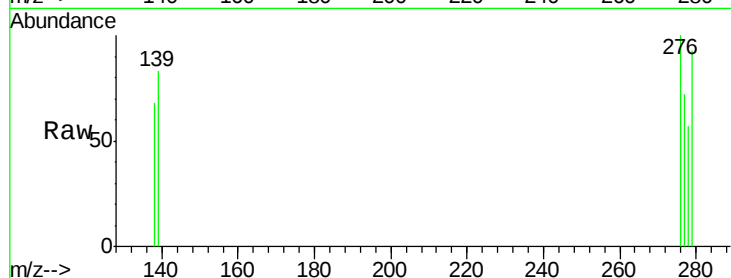
Acq: 09 Dec 2016 22:52

Instrument :

BNA_M

ClientSampleId :

DA7Z8



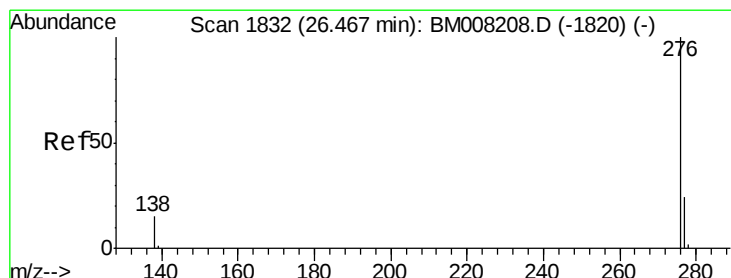
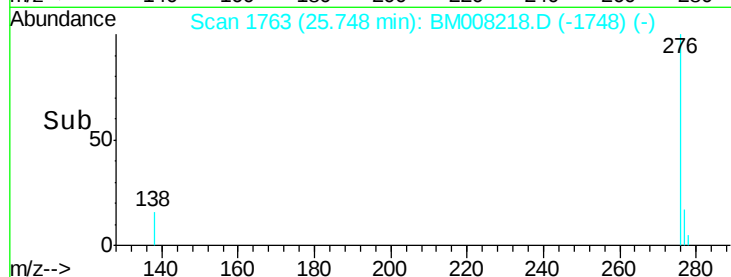
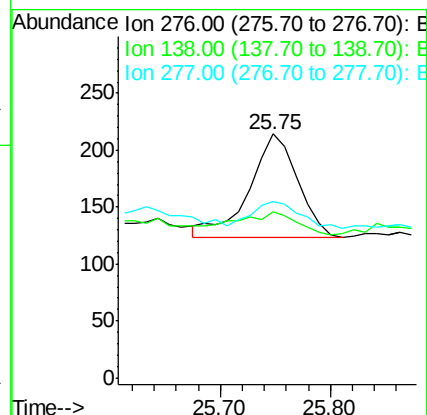
Tgt Ion:276 Resp: 280

Ion Ratio Lower Upper

276 100

138 27.9 19.1 28.7

277 26.1 19.6 29.4



#26

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 26.44 min Scan# 1829

Delta R.T. -0.03 min

Lab File: BM008218.D

Acq: 09 Dec 2016 22:52

Tgt Ion:276 Resp: 266

Ion Ratio Lower Upper

276 100

277 72.8 21.8 32.8#

138 69.7 20.5 30.7#

