

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008235.D
 Acq On : 10 Dec 2016 16:53
 Operator : UM/SJ
 Sample : H5905-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 02:49:09 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 12 02:45:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	649	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	2158	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	1185	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1972	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1703	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1798	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.08	152	561	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1093	0.20	ng/ul	0.00

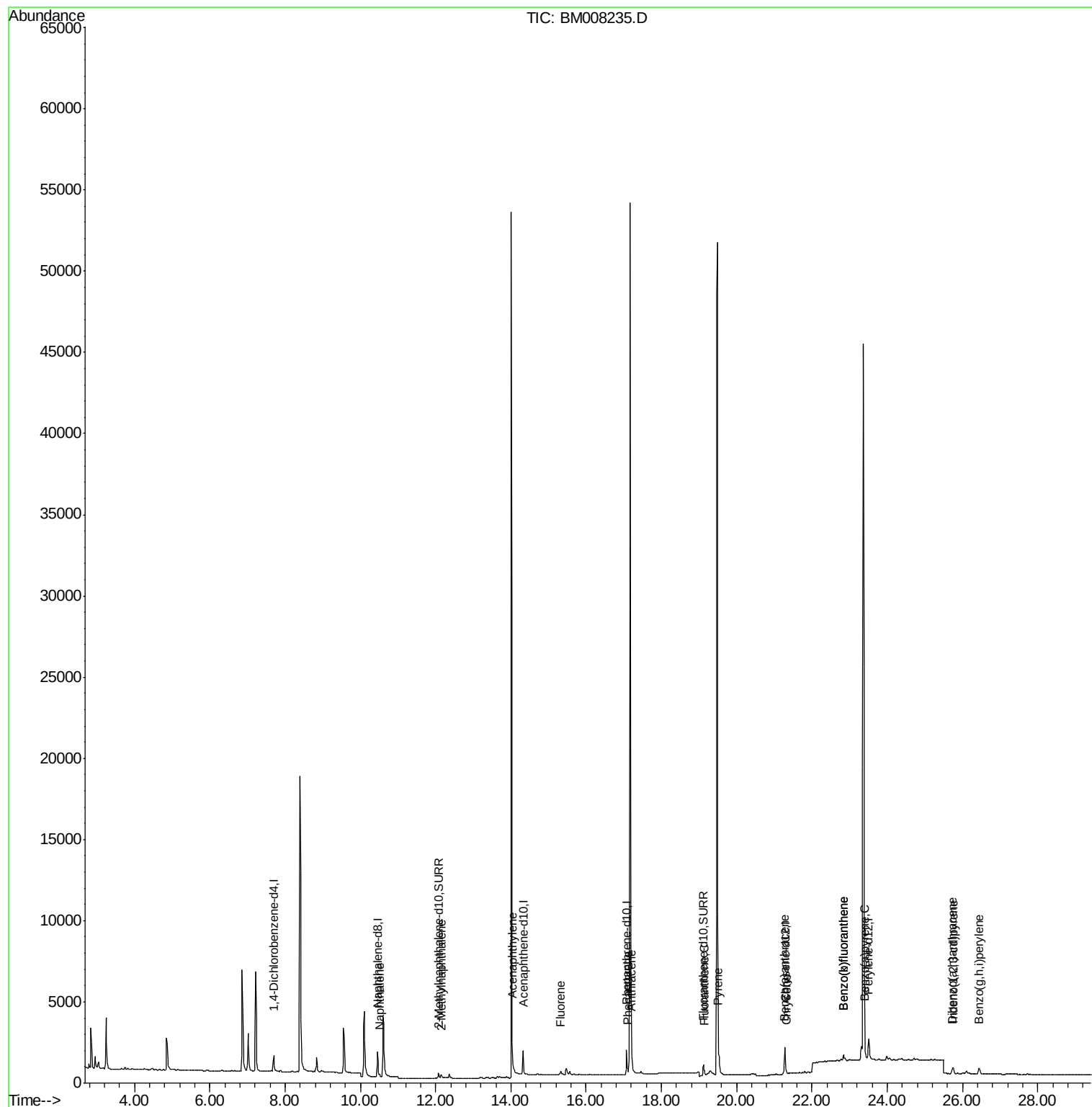
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	240	0.04	ng/ul#	46
5) 2-Methylnaphthalene	12.15	142	223	0.06	ng/ul	93
7) Acenaphthylene	14.04	152	133	0.02	ng/ul#	18
9) Fluorene	15.32	166	196	0.04	ng/ul#	38
12) Phenanthrene	17.11	178	361	0.06	ng/ul#	65
13) Anthracene	17.21	178	129	0.02	ng/ul#	11
15) Fluoranthene	19.14	202	1506	0.19	ng/ul	59
17) Pyrene	19.51	202	444	0.08	ng/ul#	58
18) Benzo(a)anthracene	21.26	228	323	0.06	ng/ul#	41
19) Chrysene	21.31	228	328	0.05	ng/ul#	51
21) Benzo(b)fluoranthene	22.84	252	836	0.12	ng/ul#	37
22) Benzo(k)fluoranthene	22.84	252	836	0.11	ng/ul#	34
23) Benzo(a)pyrene	23.41	252	498	0.07	ng/ul#	42
24) Indeno(1,2,3-cd)pyrene	25.74	276	487	0.06	ng/ul	98
25) Dibenzo(a,h)anthracene	25.73	278	452	0.07	ng/ul#	21
26) Benzo(a,h,i)perylene	26.44	276	873	0.12	ng/ul#	76

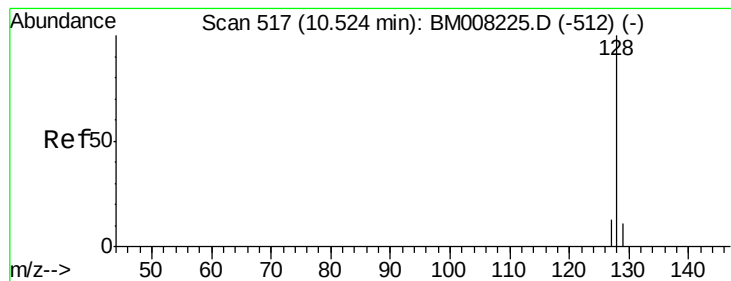
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampleId :

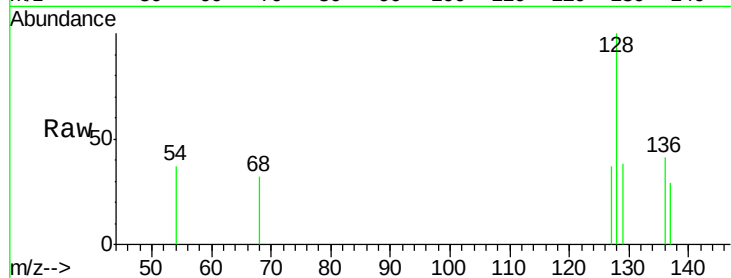
Tot Ion:128 Resp: 240

Ion Ratio Lower Upper

128 100

129 38.3 11.3 16.9#

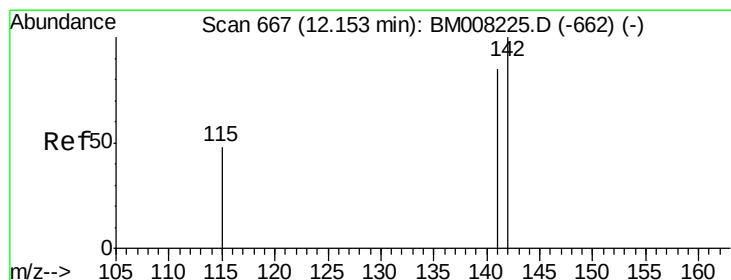
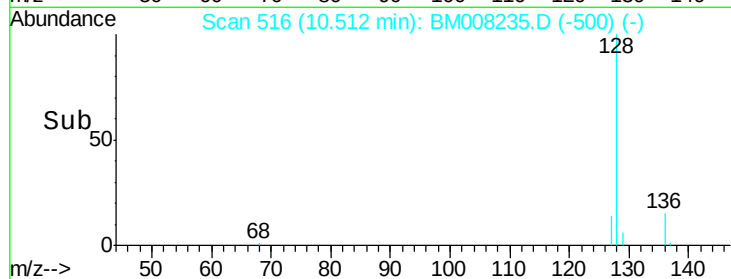
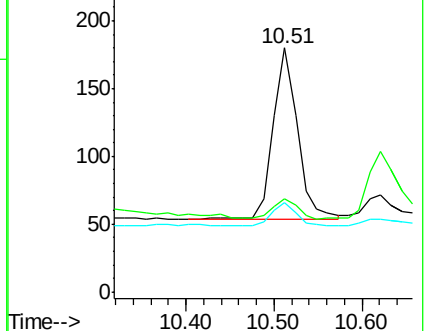
127 36.7 12.8 19.2#



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: 0.06 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. -0.00 min

Lab File: BM008235.D

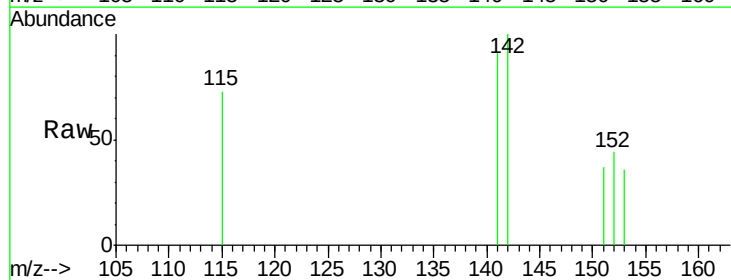
Acq: 10 Dec 2016 16:53

Tgt Ion:142 Resp: 223

Ion Ratio Lower Upper

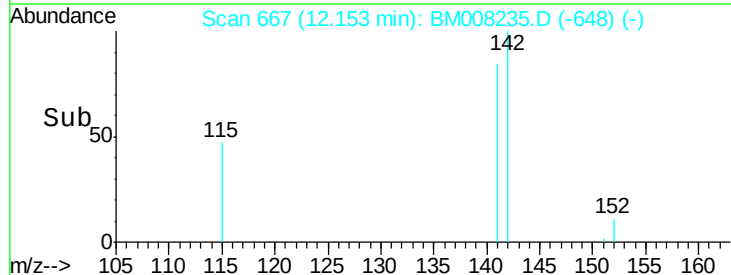
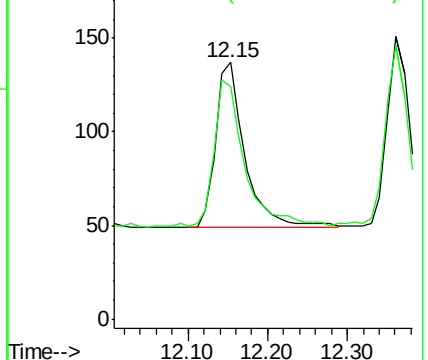
142 100

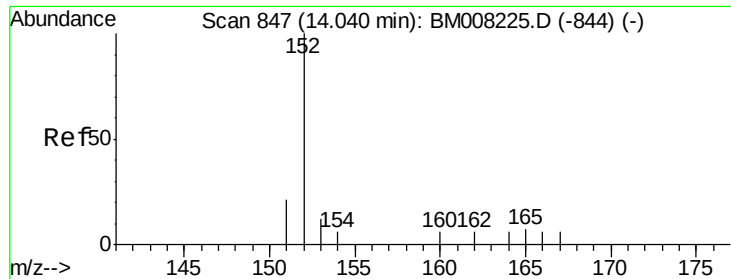
141 96.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampled :

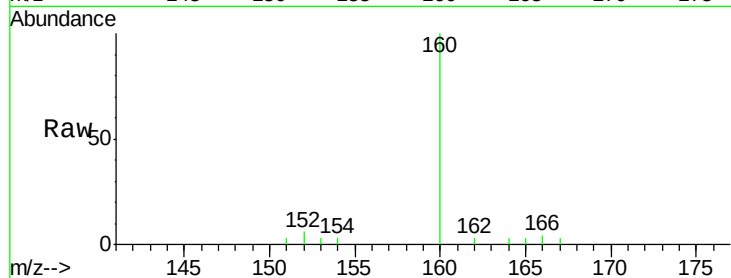
Tot Ion:152 Resp: 133

Ion Ratio Lower Upper

152 100

151 56.4 17.1 25.7#

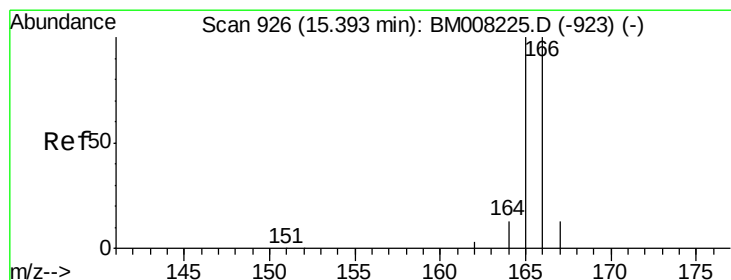
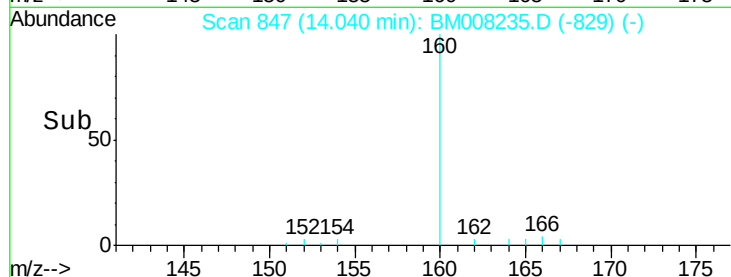
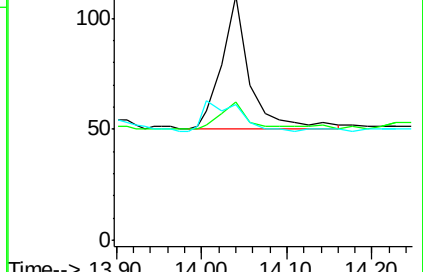
153 55.5 12.8 19.2#



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



#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.32 min Scan# 922

Delta R.T. -0.07 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

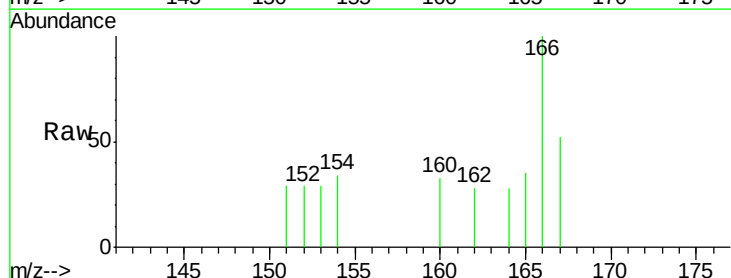
Tgt Ion:166 Resp: 196

Ion Ratio Lower Upper

166 100

165 35.0 73.4 110.2#

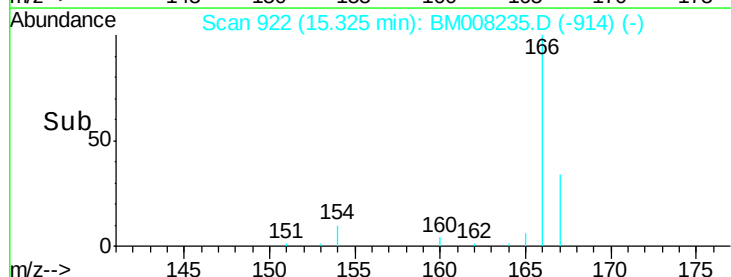
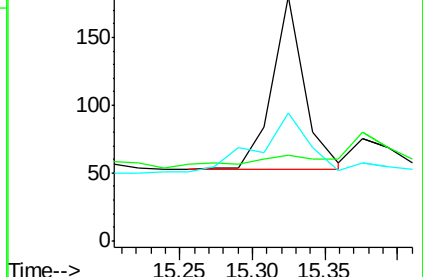
167 52.2 14.6 22.0#

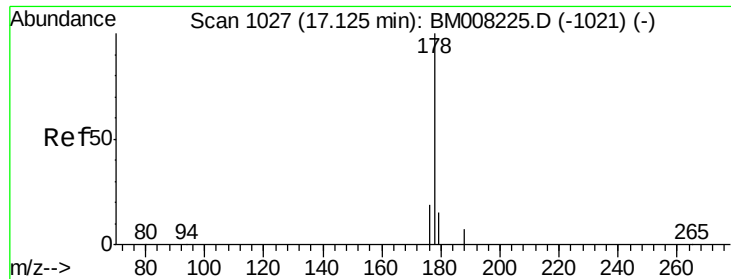


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampleId :

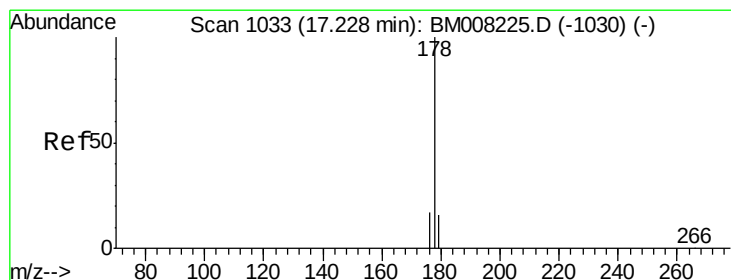
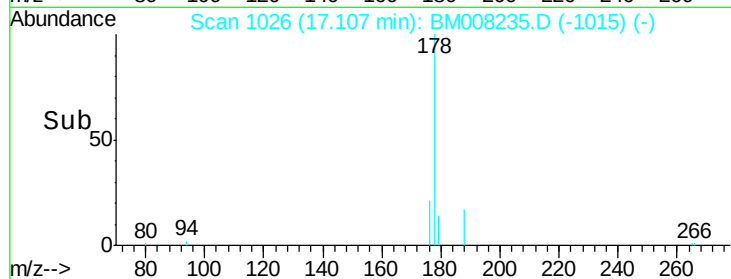
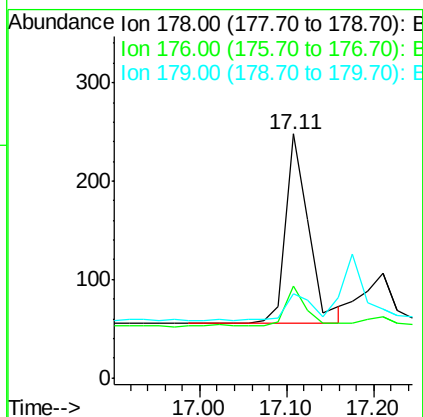
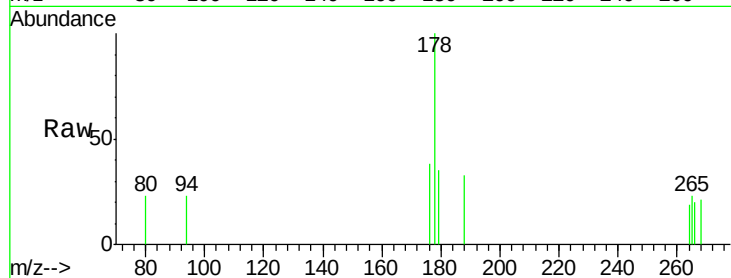
Tot Ion:178 Resp: 361

Ion Ratio Lower Upper

178 100

176 37.5 18.4 27.6#

179 34.7 13.6 20.4#



#13

Anthracene

Concen: 0.02 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

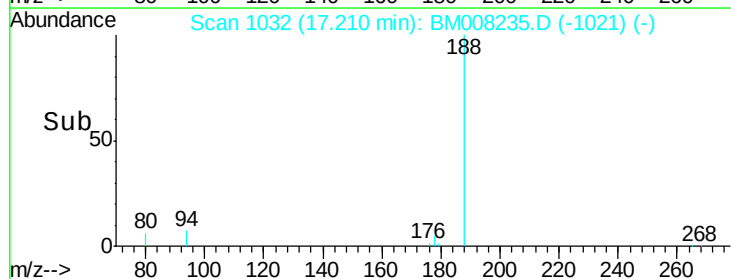
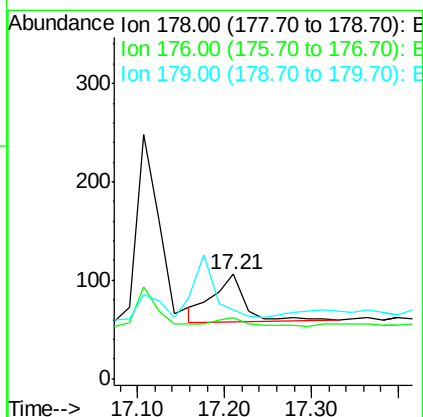
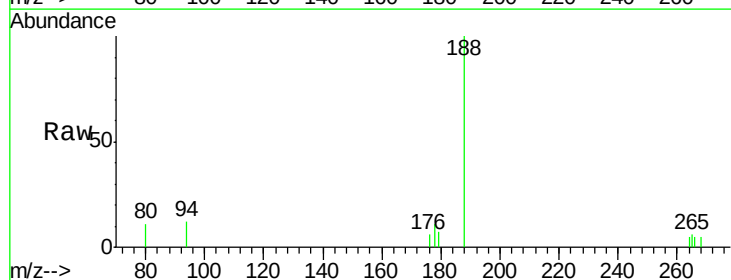
Tgt Ion:178 Resp: 129

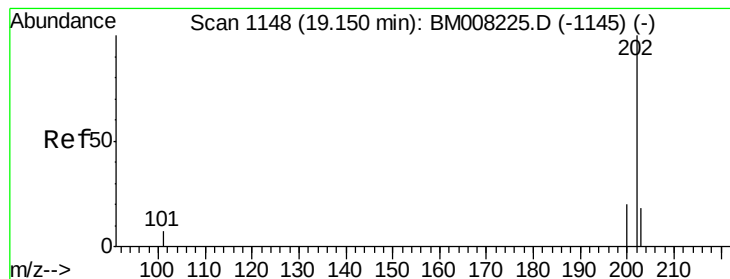
Ion Ratio Lower Upper

178 100

176 58.5 18.1 27.1#

179 66.0 14.7 22.1#





#15

Fluoranthene

Concen: 0.19 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampleId :

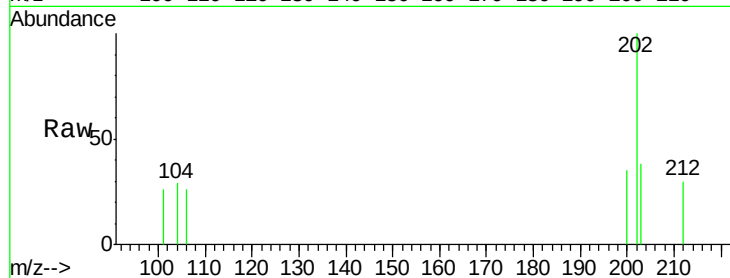
Tot Ion:202 Resp: 1506

Ion Ratio Lower Upper

202 100

101 25.9 0.0 30.3

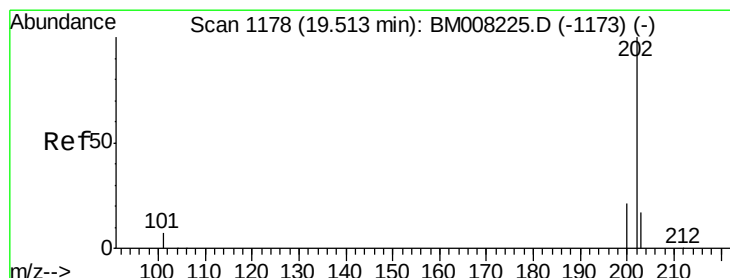
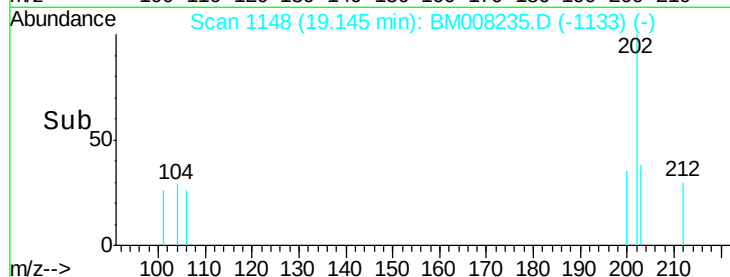
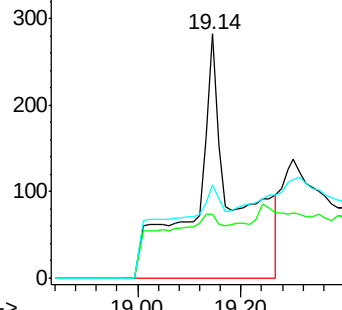
203 38.3 0.0 39.5



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: 0.08 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

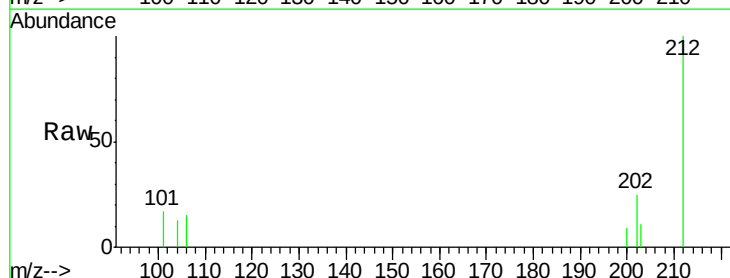
Tgt Ion:202 Resp: 444

Ion Ratio Lower Upper

202 100

200 38.1 18.2 27.4#

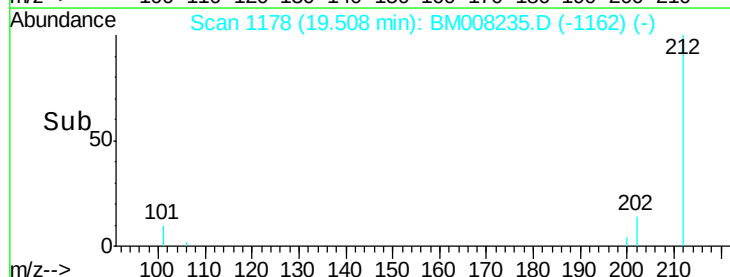
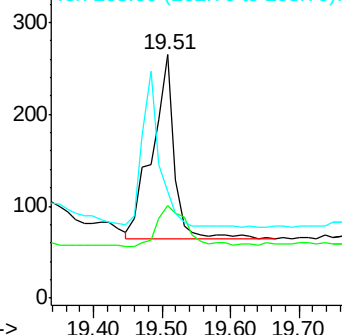
203 43.8 15.6 23.4#

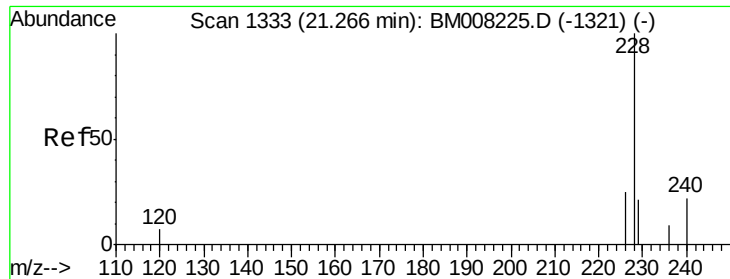


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampleId :

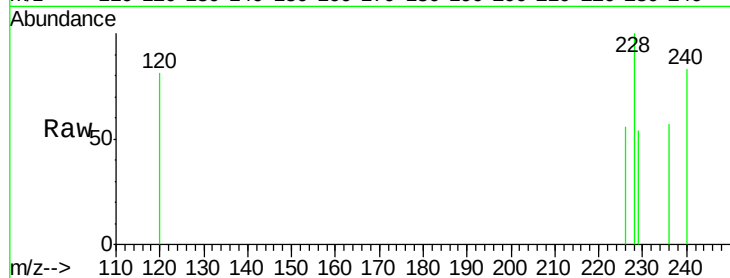
Tot Ion:228 Resp: 323

Ion Ratio Lower Upper

228 100

226 55.5 22.8 34.2#

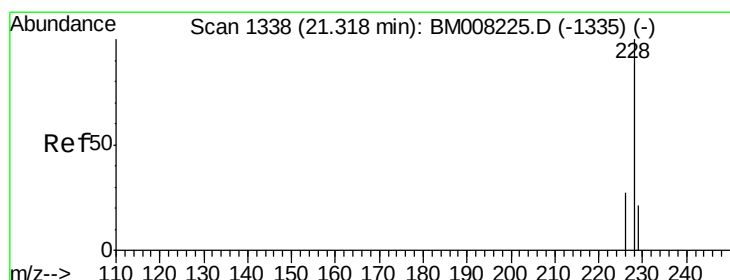
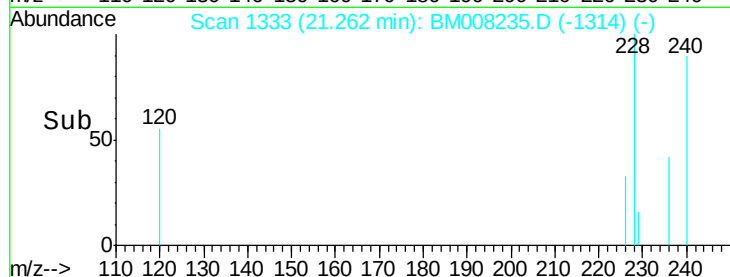
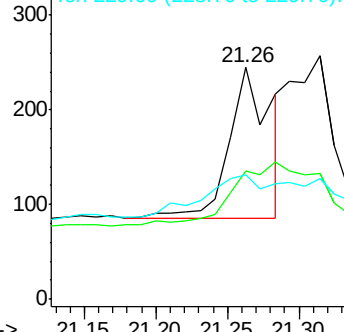
229 53.9 17.0 25.6#



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: 0.05 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

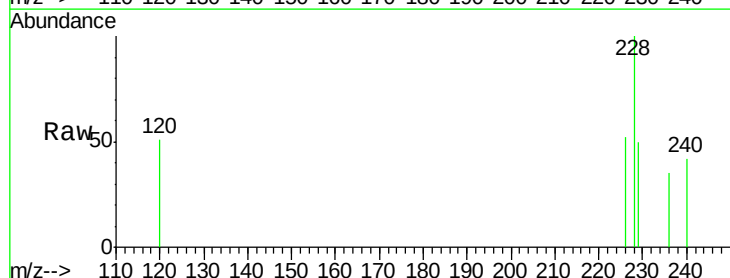
Tgt Ion:228 Resp: 328

Ion Ratio Lower Upper

228 100

226 51.8 23.4 35.0#

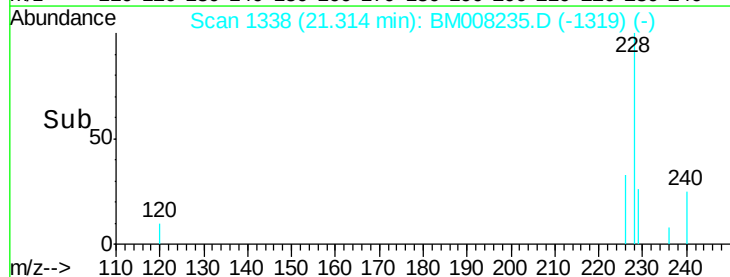
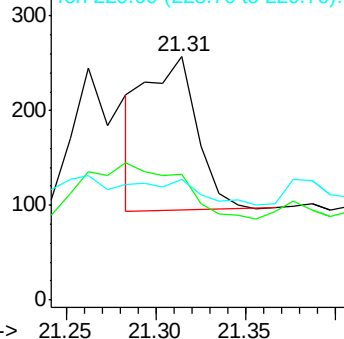
229 49.8 17.7 26.5#

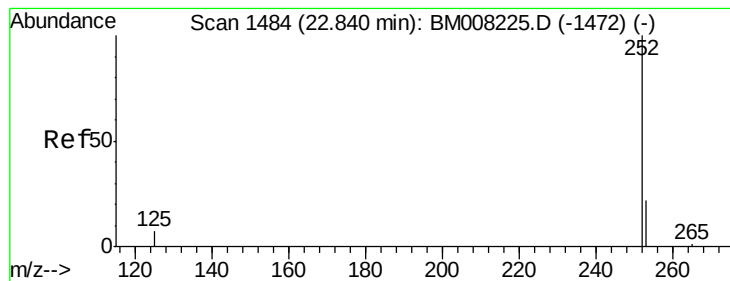


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.12 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampleId :

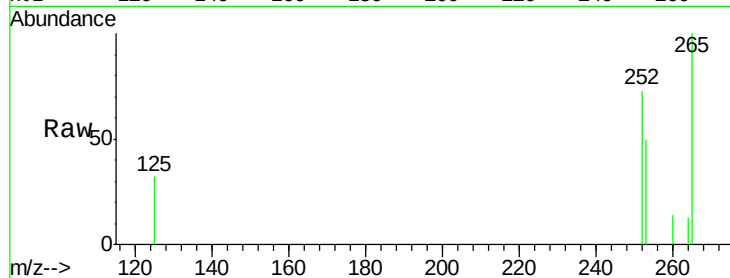
Tot Ion:252 Resp: 836

Ion Ratio Lower Upper

252 100

253 68.2 0.0 64.2#

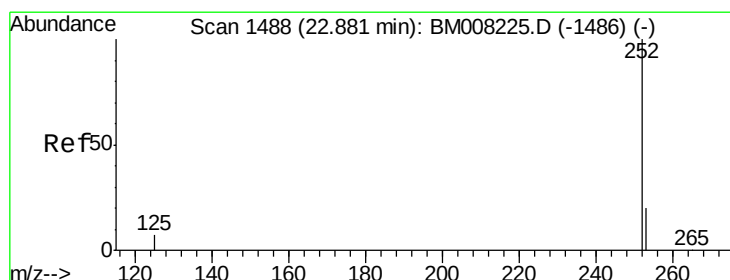
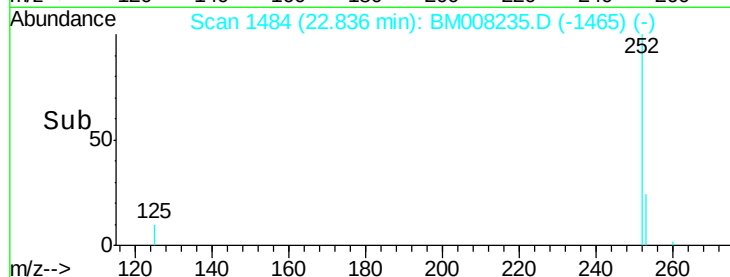
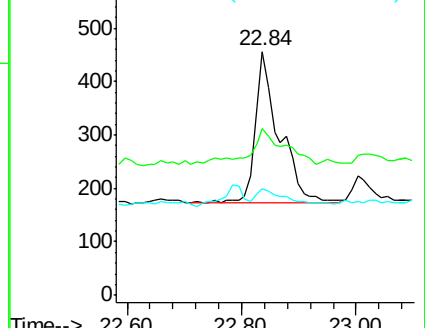
125 43.9 0.0 35.0#



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: 0.11 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

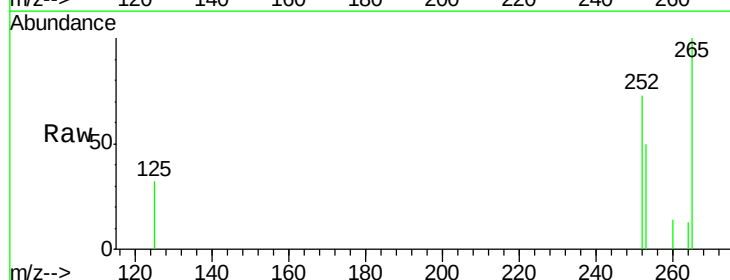
Tgt Ion:252 Resp: 836

Ion Ratio Lower Upper

252 100

253 68.2 24.5 36.7#

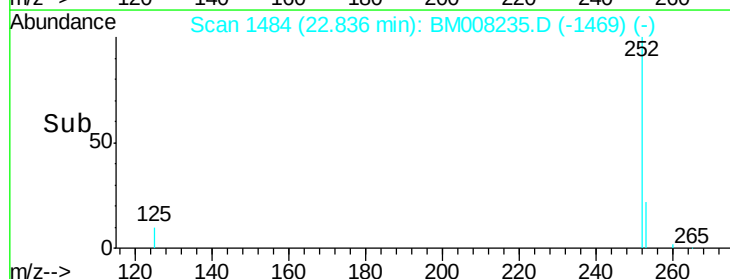
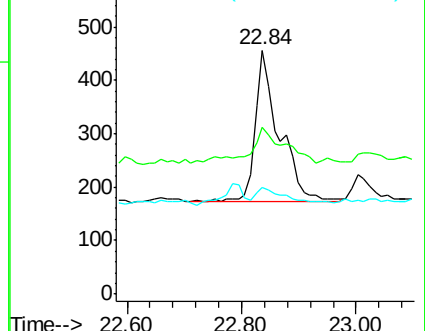
125 43.9 13.7 20.5#

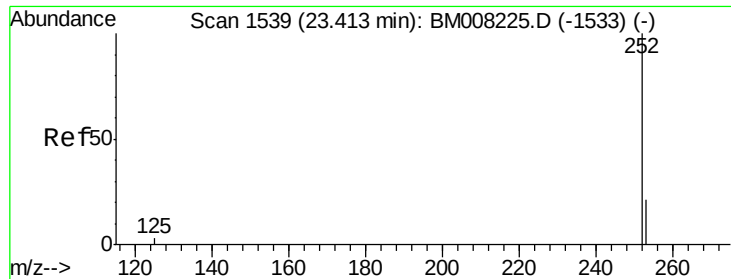


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampleId :

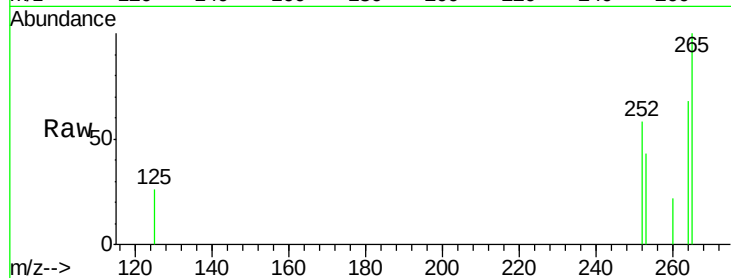
Tot Ion:252 Resp: 498

Ion Ratio Lower Upper

252 100

253 73.5 28.5 42.7#

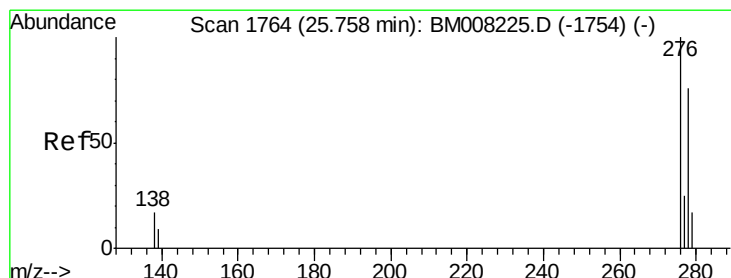
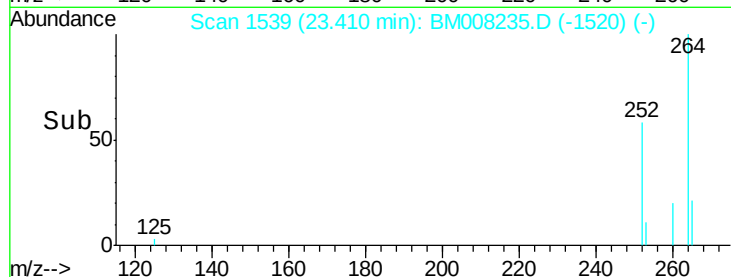
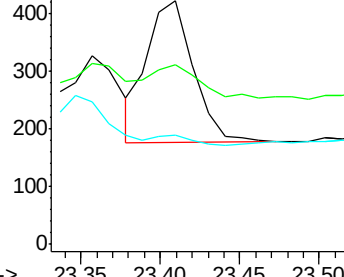
125 44.9 18.1 27.1#



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: 0.06 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

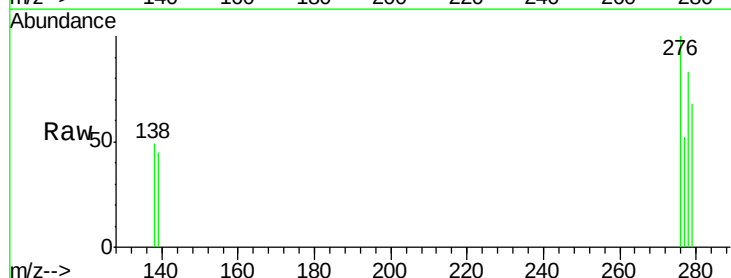
Tgt Ion:276 Resp: 487

Ion Ratio Lower Upper

276 100

138 22.8 19.1 28.7

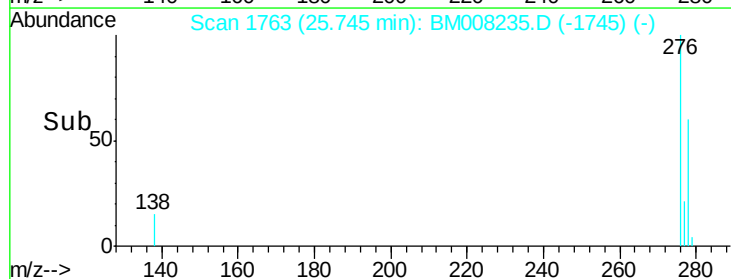
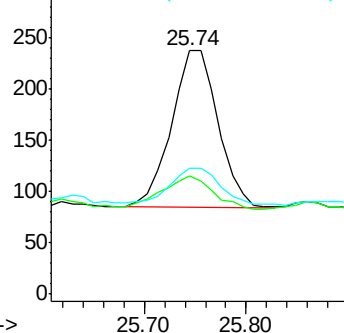
277 25.7 19.6 29.4

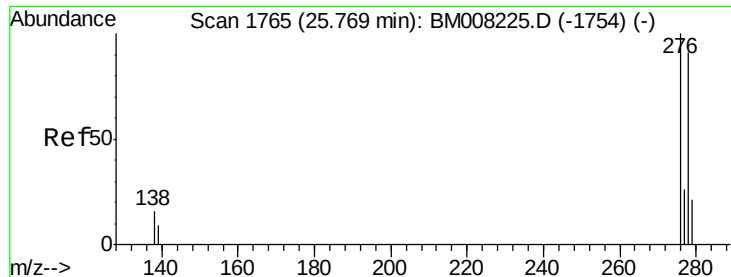


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 25.73 min Scan# 1762

Delta R.T. -0.03 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

Instrument :

BNA_M

ClientSampleId :

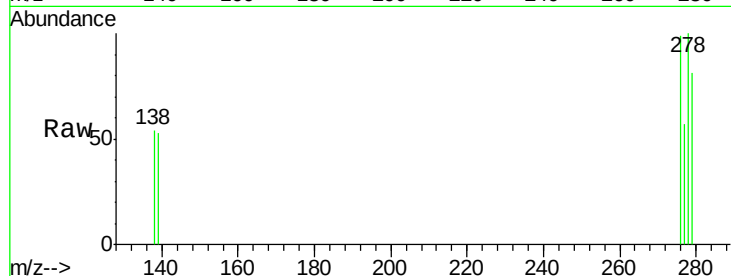
Tot Ion:278 Resp: 452

Ion Ratio Lower Upper

278 100

139 53.5 17.4 26.0#

279 81.2 25.9 38.9#



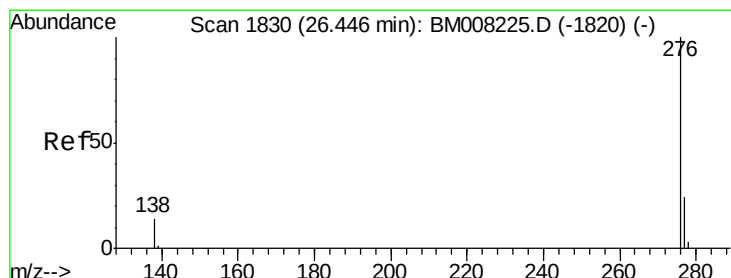
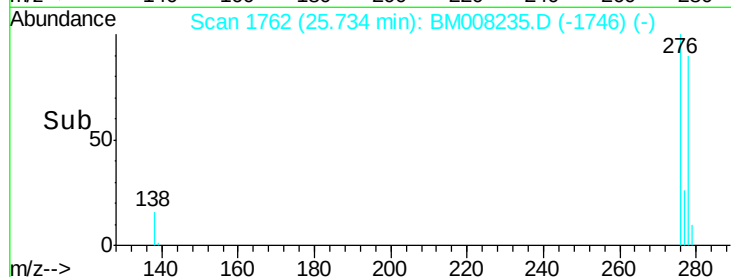
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.73

Time--> 25.60 25.70 25.80



#26

Benzo(g,h,i)perylene

Concen: 0.12 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BM008235.D

Acq: 10 Dec 2016 16:53

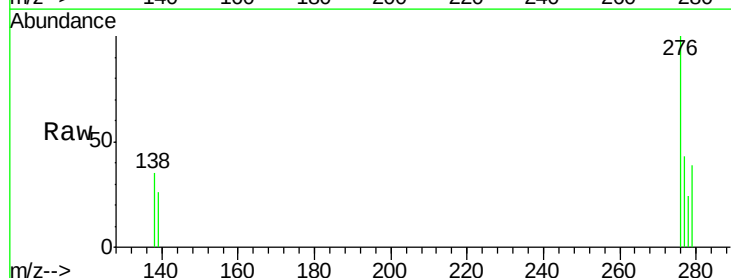
Tgt Ion:276 Resp: 873

Ion Ratio Lower Upper

276 100

277 42.6 21.8 32.8#

138 34.8 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

26.44

Time--> 26.40 26.60

