

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008234.D
 Acq On : 10 Dec 2016 16:16
 Operator : UM/SJ
 Sample : H5905-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 02:48:57 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

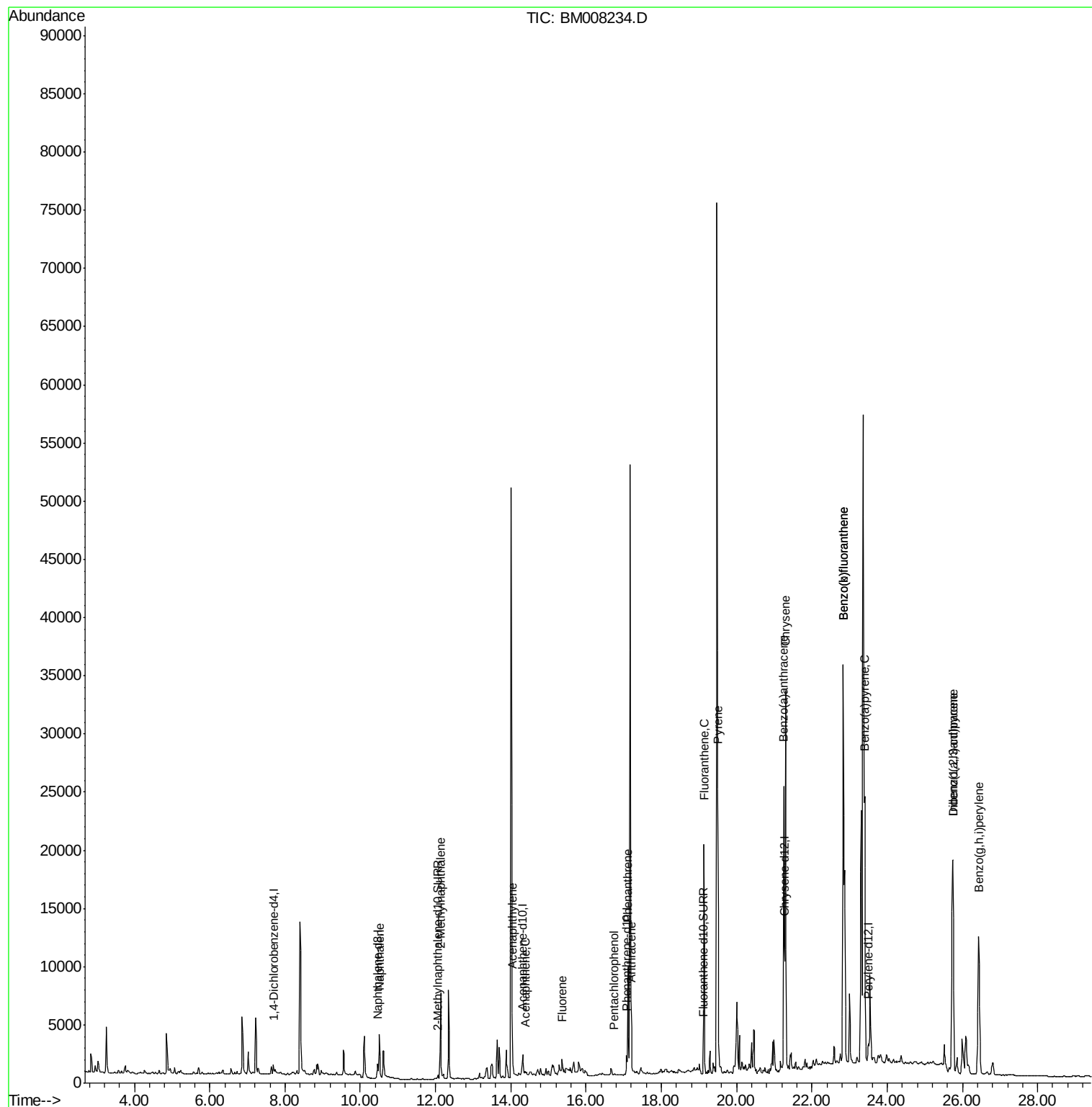
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	520	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	1674	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1048	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	1970	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1995	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1958	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	477	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1505	0.27	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.51	128	5366	1.15	ng/ul	96
5) 2-Methylnaphthalene	12.13	142	5902	1.96	ng/ul	96
7) Acenaphthylene	14.04	152	5298	1.12	ng/ul	96
8) Acenaphthene	14.38	153	311	0.09	ng/ul#	90
9) Fluorene	15.38	166	417	0.10	ng/ul#	52
11) Pentachlorophenol	16.75	266	25	0.04	ng/ul#	57
12) Phenanthrene	17.11	178	10577	1.72	ng/ul	97
13) Anthracene	17.21	178	5453	0.95	ng/ul	95
15) Fluoranthene	19.14	202	18581	2.35	ng/ul	95
17) Pyrene	19.50	202	22265	3.21	ng/ul	97
18) Benzo(a)anthracene	21.26	228	24180	3.95	ng/ul	99
19) Chrysene	21.31	228	31722	4.17	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	77522	9.92	ng/ul	81
22) Benzo(k)fluoranthene	22.83	252	77522	9.62	ng/ul#	83
23) Benzo(a)pyrene	23.40	252	31258	4.27	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.75	276	31464	3.48	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.75	278	8811	1.22	ng/ul#	93
26) Benzo(g,h,i)perylene	26.44	276	26906	3.35	ng/ul#	88

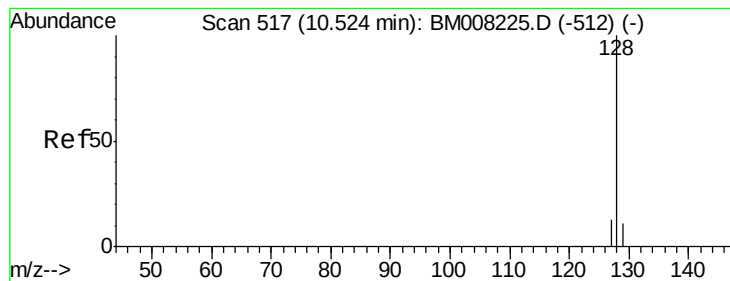
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 12 02:45:24 2016
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#3

Naphthalene

Concen: 1.15 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

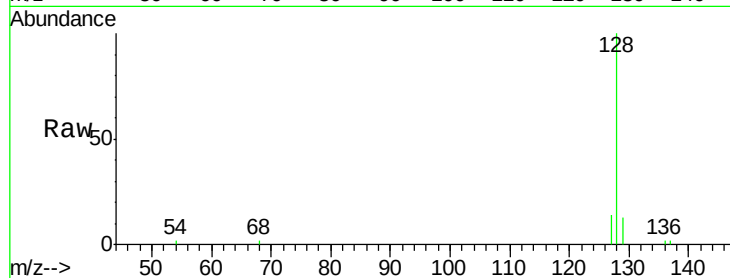
Tot Ion:128 Resp: 5366

Ion Ratio Lower Upper

128 100

129 12.9 11.3 16.9

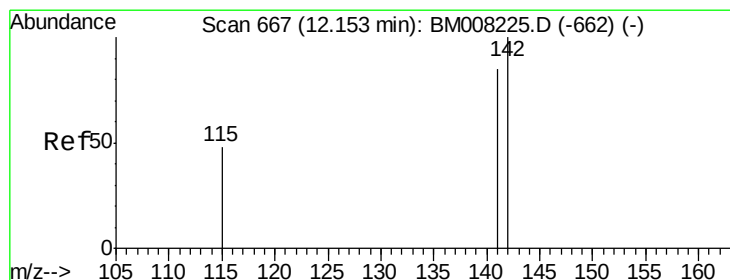
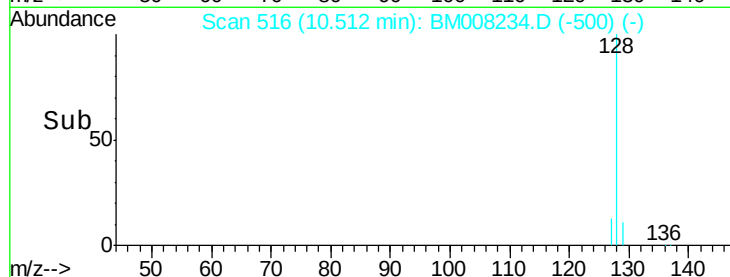
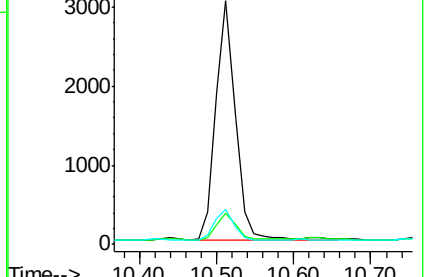
127 14.3 12.8 19.2



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: 1.96 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.02 min

Lab File: BM008234.D

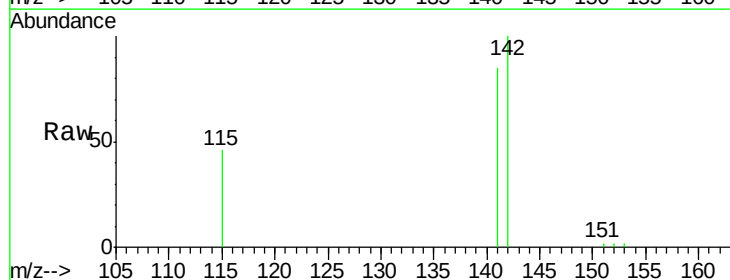
Acq: 10 Dec 2016 16:16

Tgt Ion:142 Resp: 5902

Ion Ratio Lower Upper

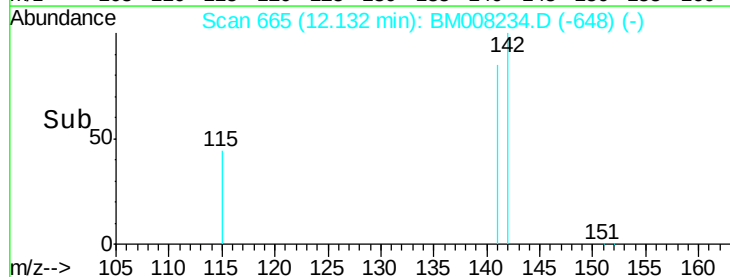
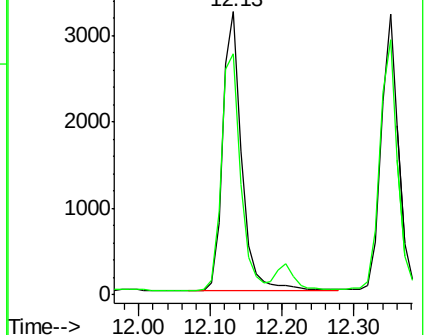
142 100

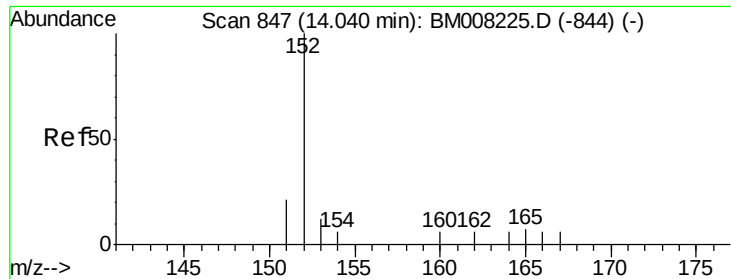
141 86.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.12 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

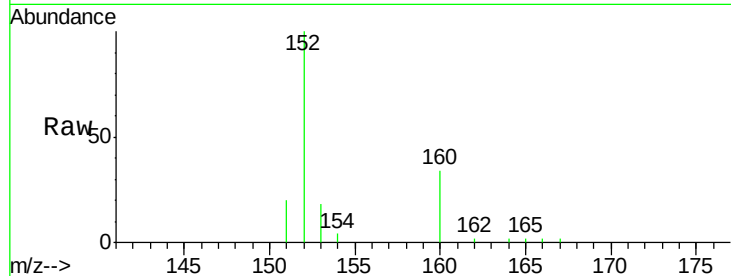
Tot Ion:152 Resp: 5298

Ion Ratio Lower Upper

152 100

151 19.9 17.1 25.7

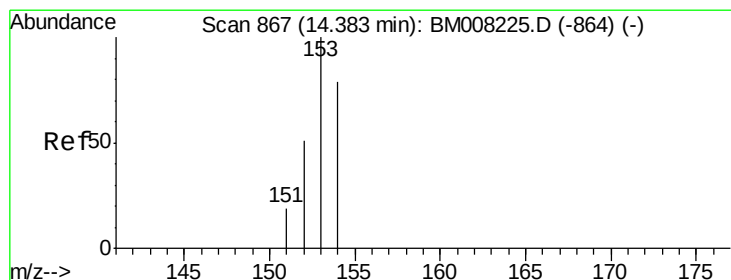
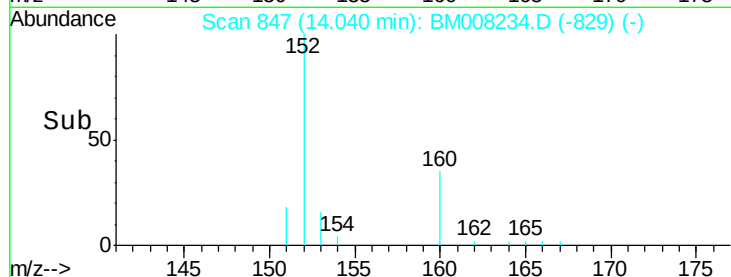
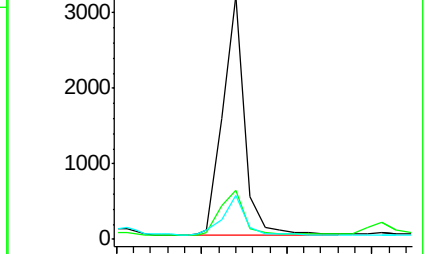
153 18.1 12.8 19.2



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: 0.09 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

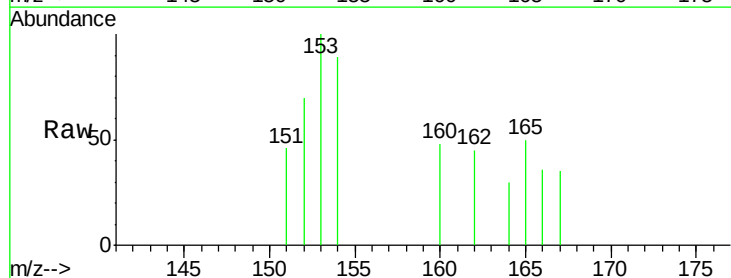
Tgt Ion:153 Resp: 311

Ion Ratio Lower Upper

153 100

152 70.1 40.3 60.5#

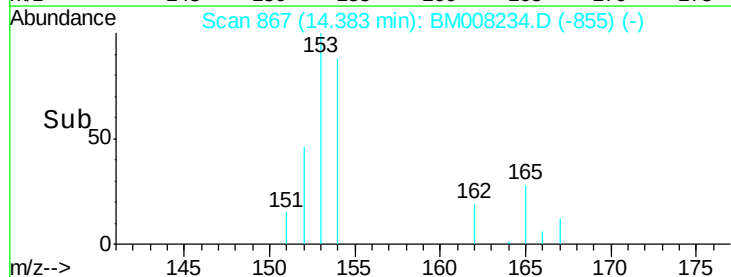
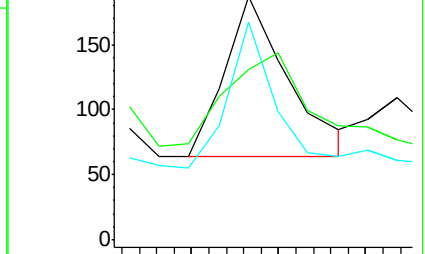
154 89.3 71.4 107.2

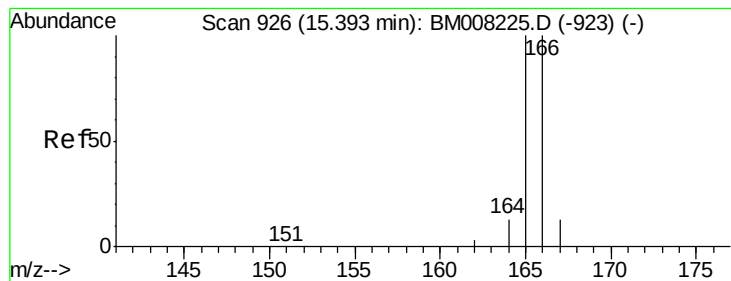


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.10 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

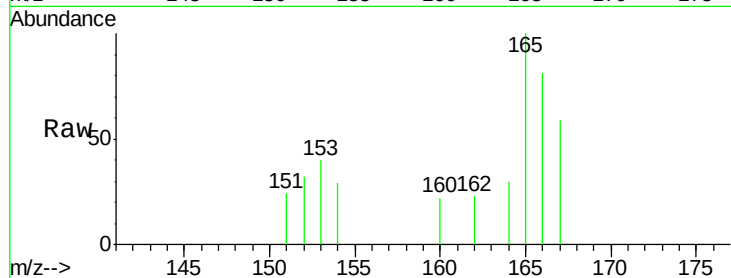
Tot Ion:166 Resp: 417

Ion Ratio Lower Upper

166 100

165 123.6 73.4 110.2#

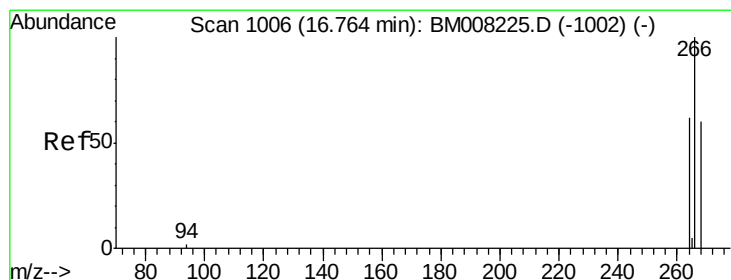
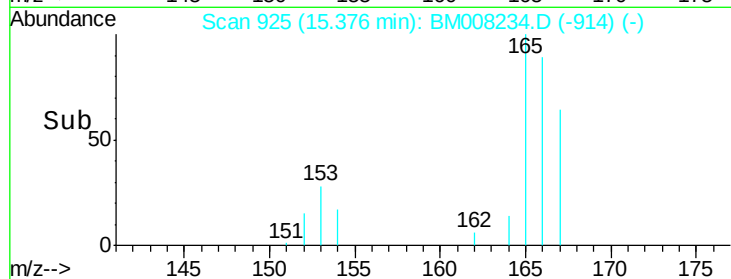
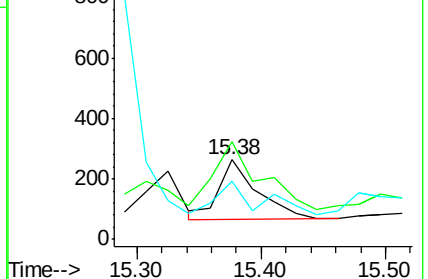
167 72.6 14.6 22.0#



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



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

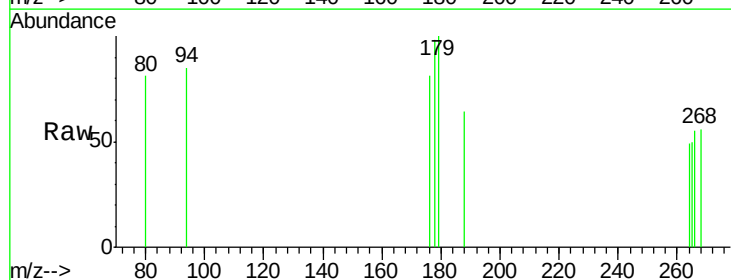
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 48.0 47.9 71.9

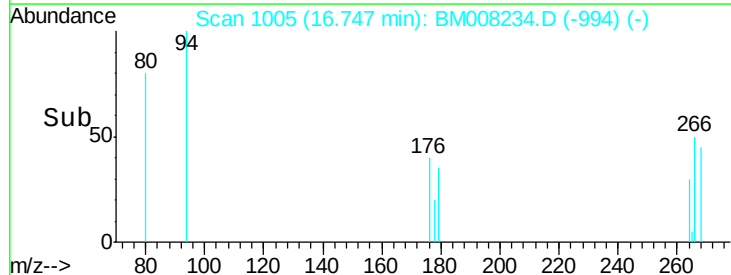
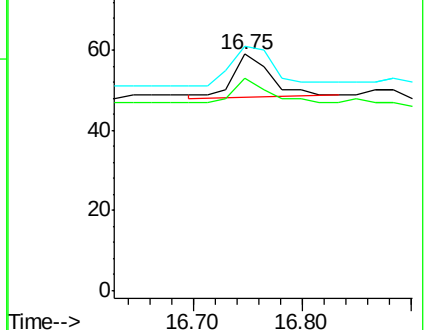
268 116.0 49.8 74.8#

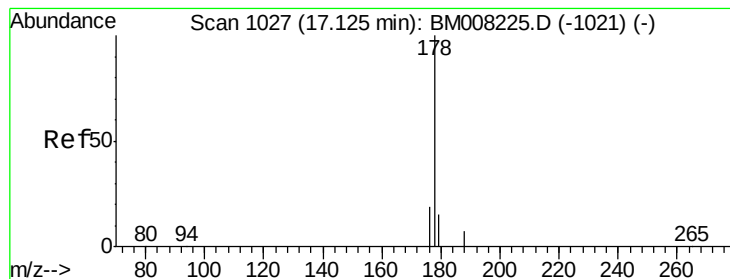


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.72 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

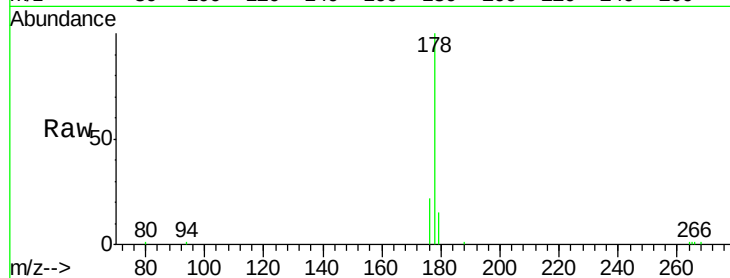
Tot Ion:178 Resp: 10577

Ion Ratio Lower Upper

178 100

176 21.6 18.4 27.6

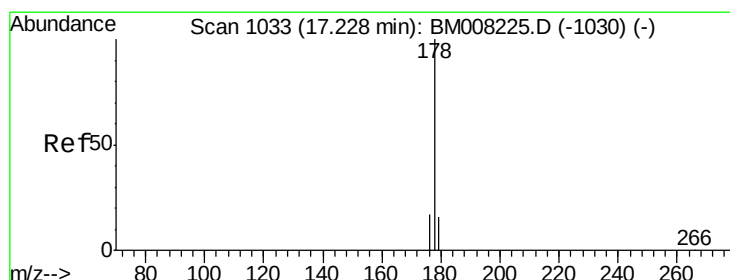
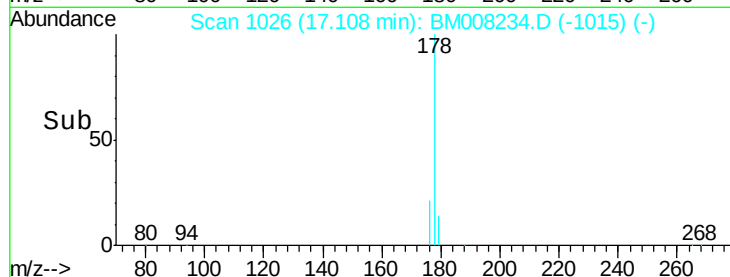
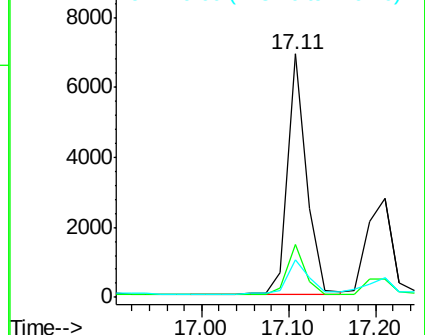
179 15.4 13.6 20.4



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



#13

Anthracene

Concen: 0.95 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

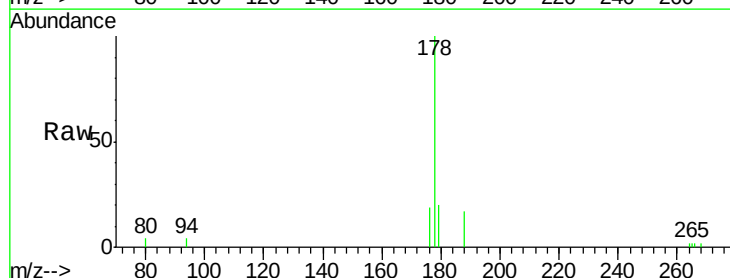
Tgt Ion:178 Resp: 5453

Ion Ratio Lower Upper

178 100

176 18.9 18.1 27.1

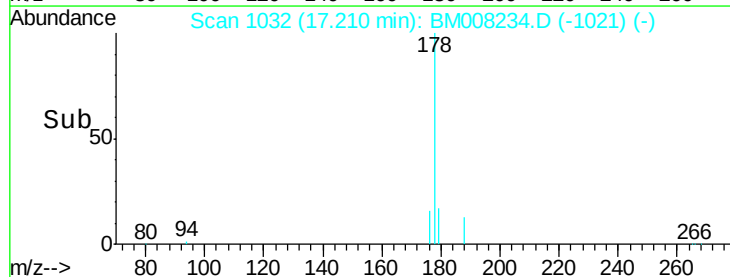
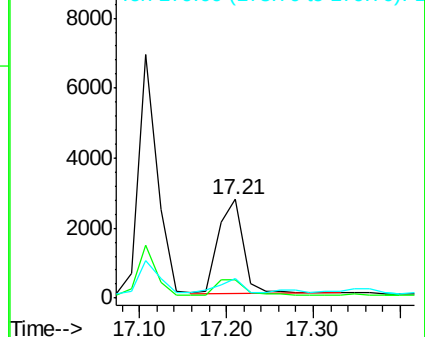
179 19.5 14.7 22.1

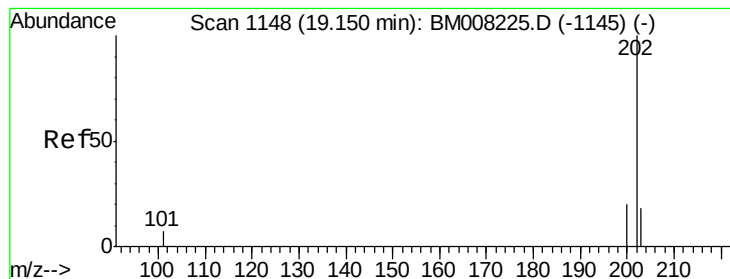


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 2.35 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

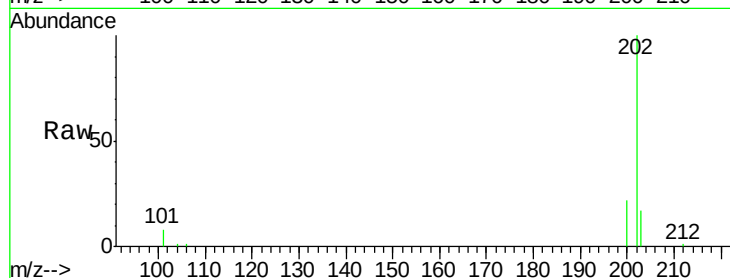
Tot Ion:202 Resp: 18581

Ion Ratio Lower Upper

202 100

101 7.9 0.0 30.3

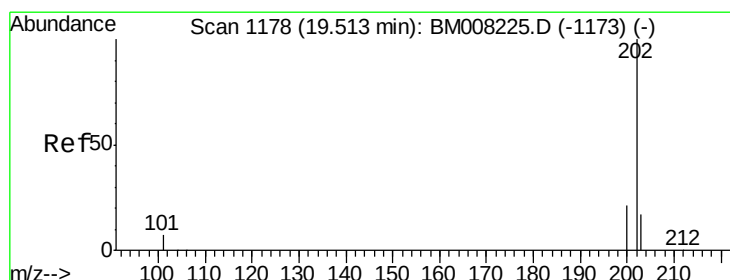
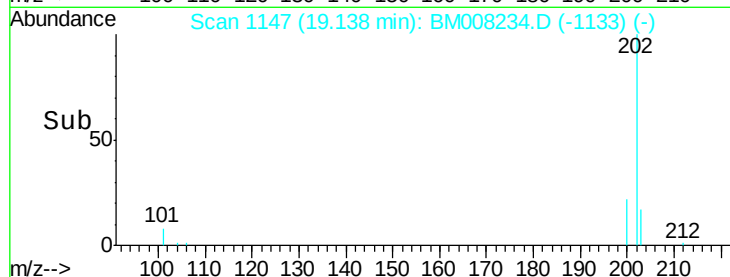
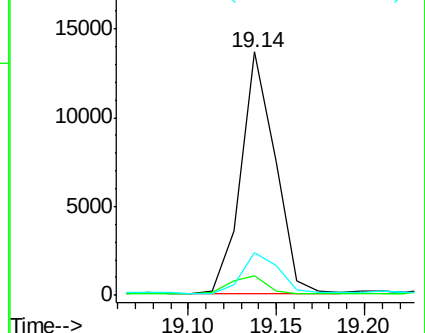
203 17.3 0.0 39.5



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: 3.21 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

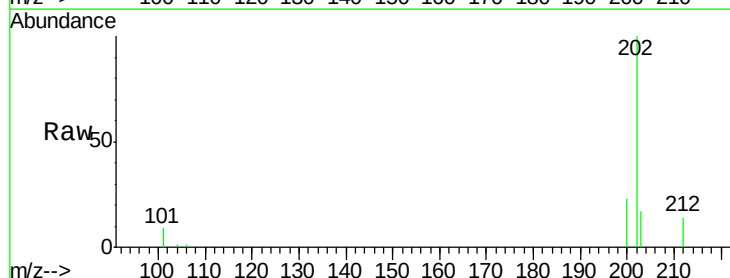
Tgt Ion:202 Resp: 22265

Ion Ratio Lower Upper

202 100

200 22.8 18.2 27.4

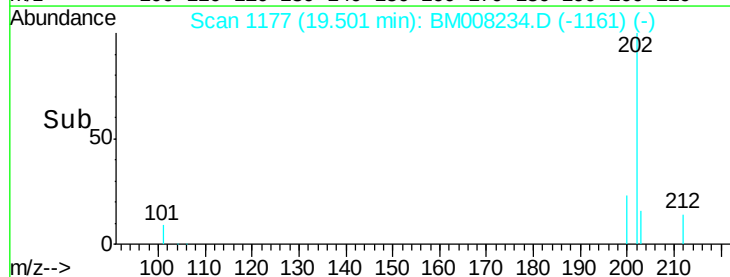
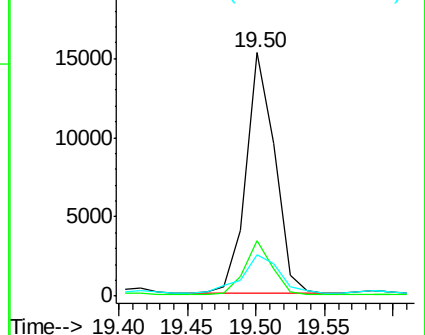
203 16.9 15.6 23.4

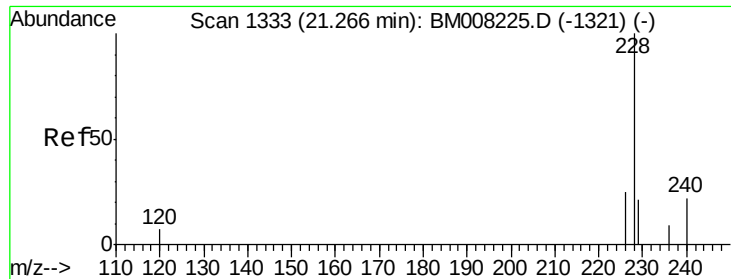


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 3.95 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

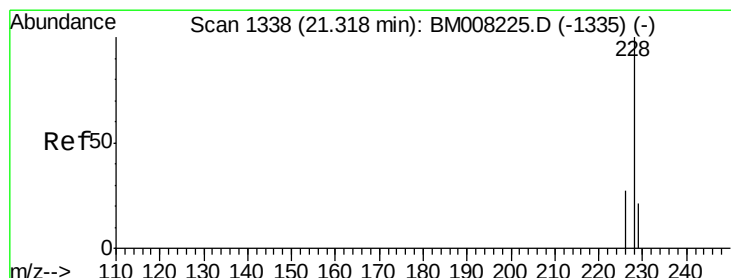
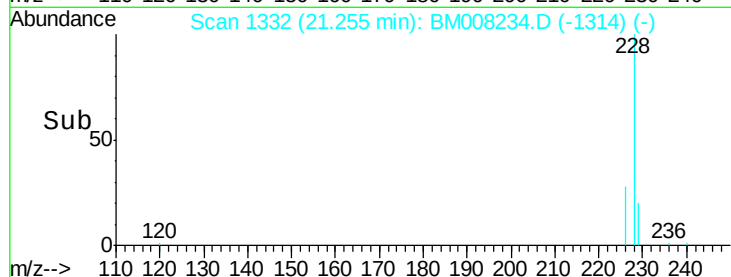
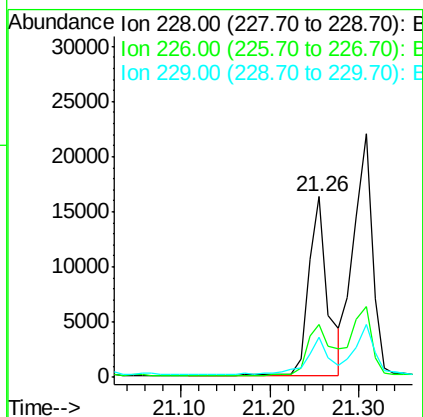
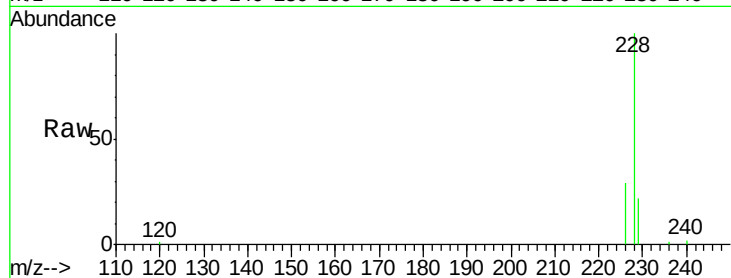
Tot Ion:228 Resp: 24180

Ion Ratio Lower Upper

228 100

226 29.2 22.8 34.2

229 22.1 17.0 25.6



#19

Chrysene

Concen: 4.17 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

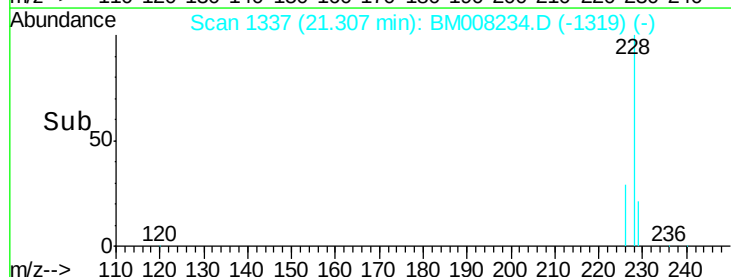
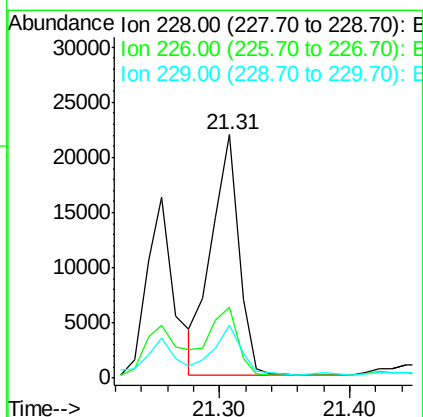
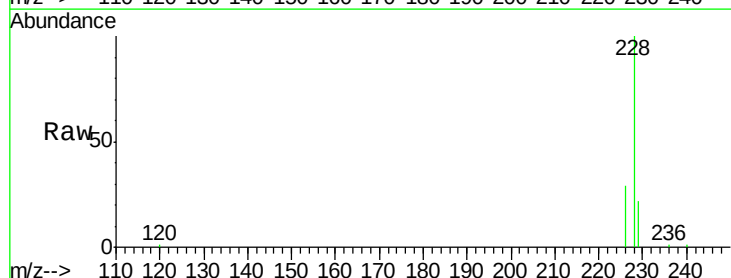
Tgt Ion:228 Resp: 31722

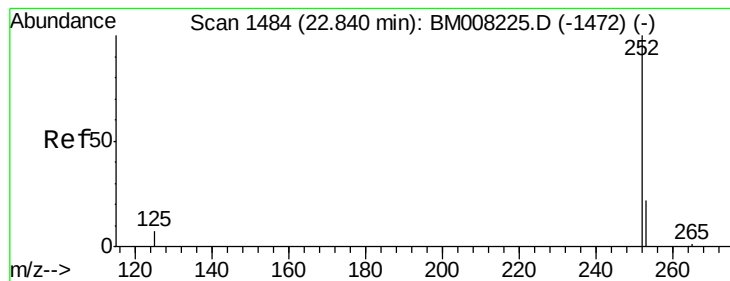
Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.0

229 21.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 9.92 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

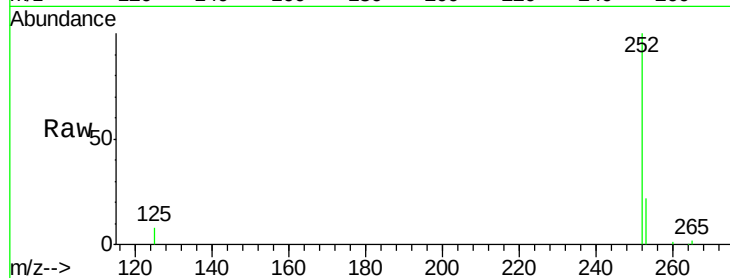
Tot Ion:252 Resp: 77522

Ion Ratio Lower Upper

252 100

253 22.0 0.0 64.2

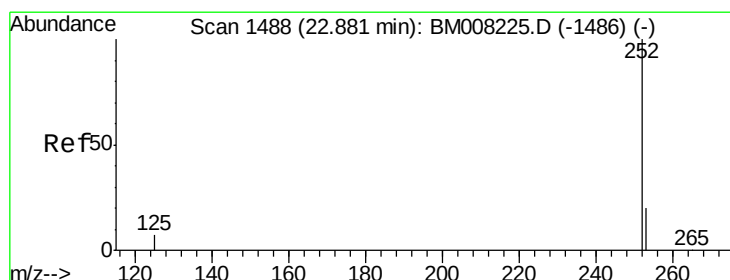
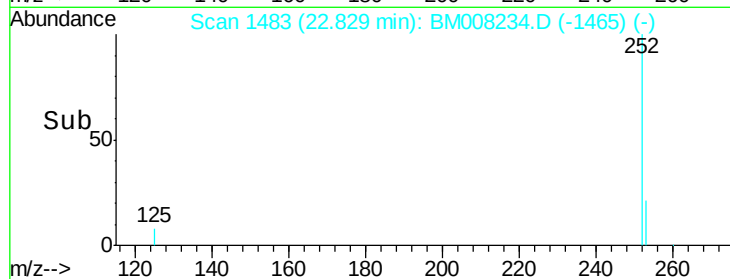
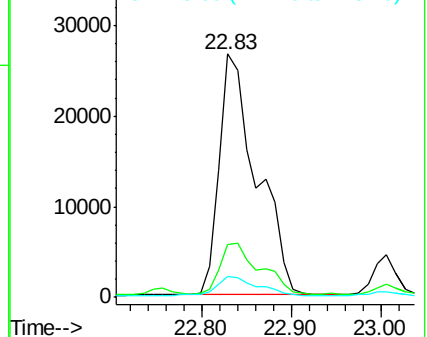
125 8.5 0.0 35.0



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: 9.62 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.05 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

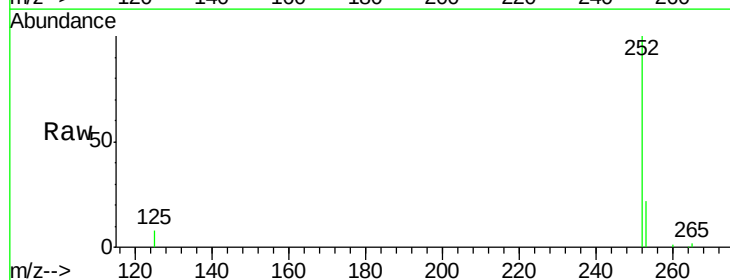
Tgt Ion:252 Resp: 77522

Ion Ratio Lower Upper

252 100

253 22.0 24.5 36.7#

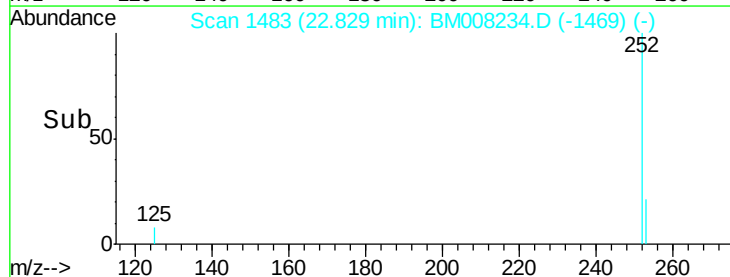
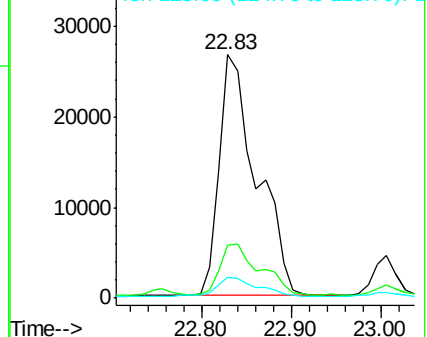
125 8.5 13.7 20.5#

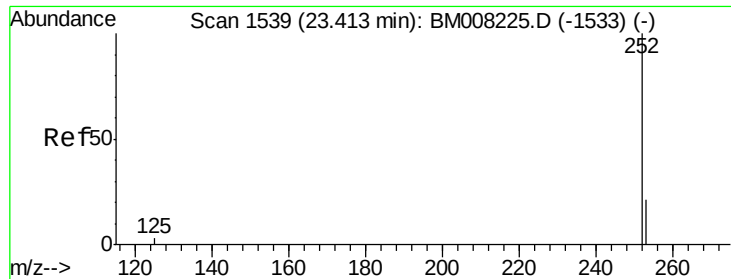


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 4.27 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

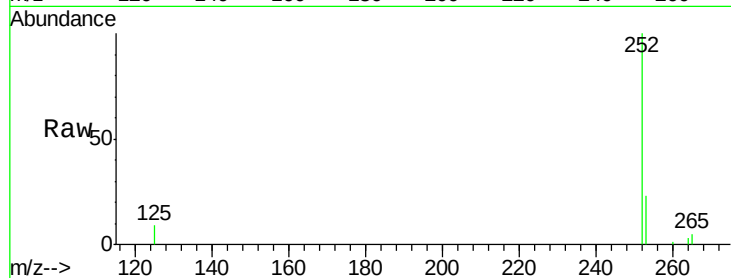
Tot Ion:252 Resp: 31258

Ion Ratio Lower Upper

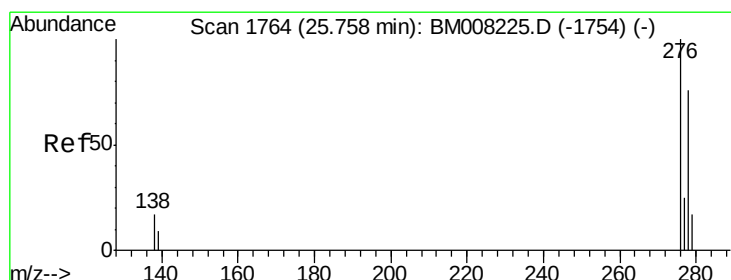
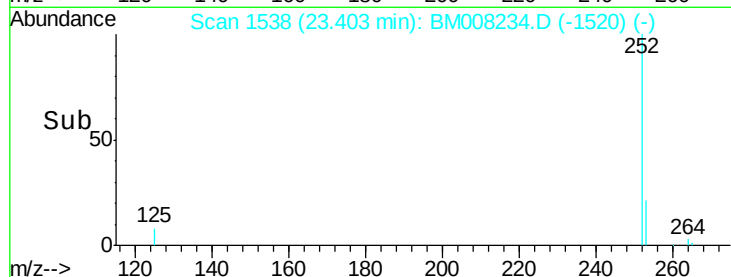
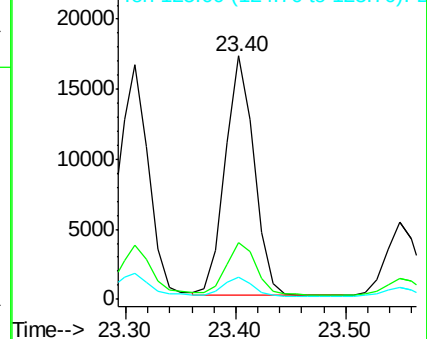
252 100

253 23.4 28.5 42.7#

125 9.1 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: 3.48 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

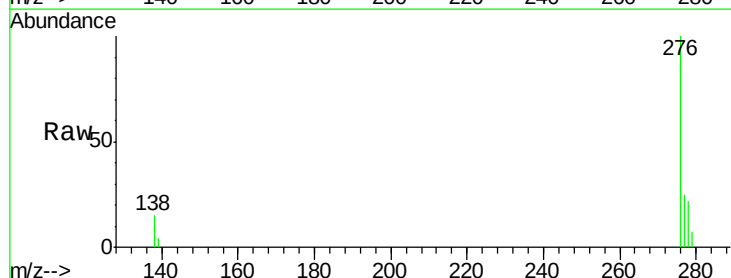
Tgt Ion:276 Resp: 31464

Ion Ratio Lower Upper

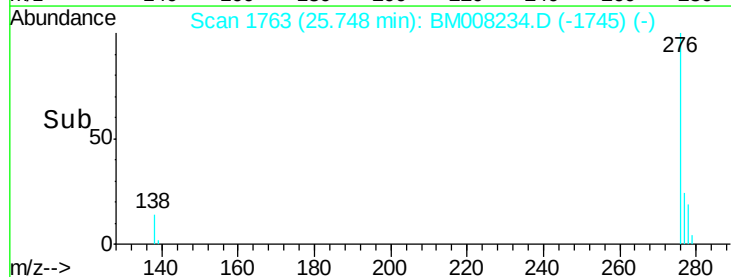
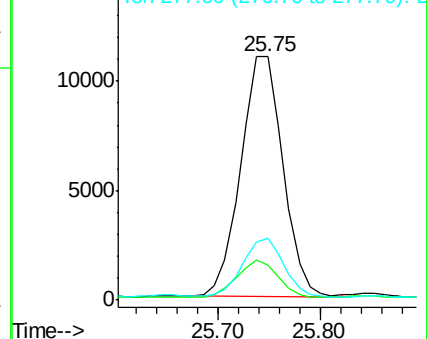
276 100

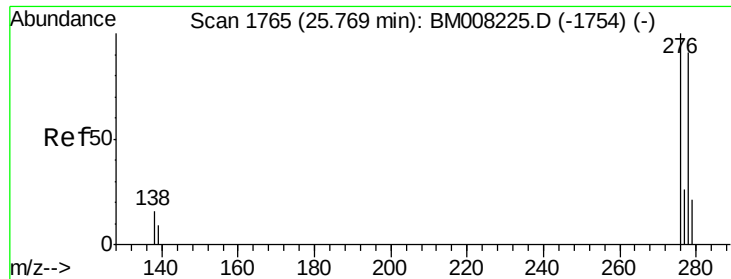
138 15.0 19.1 28.7#

277 23.7 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: 1.22 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

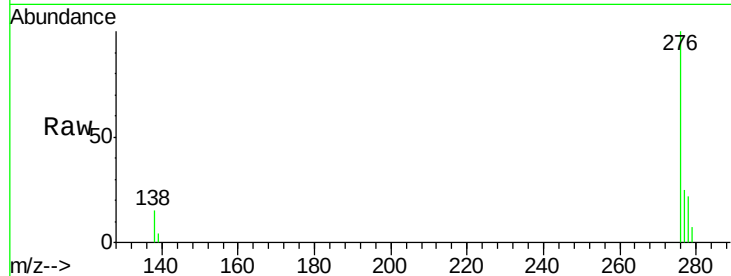
Tot Ion:278 Resp: 8811

Ion Ratio Lower Upper

278 100

139 16.5 17.4 26.0#

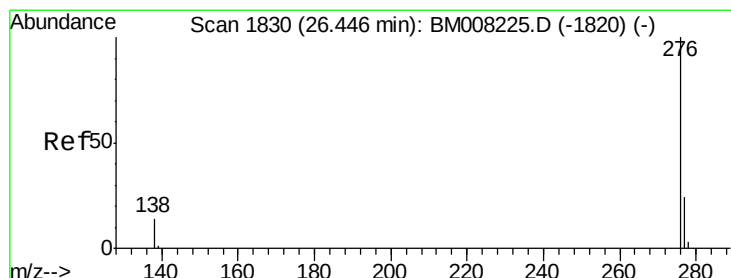
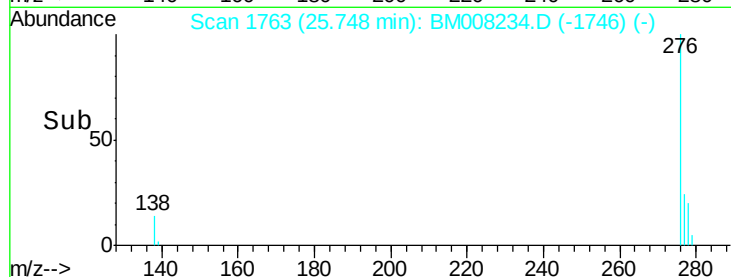
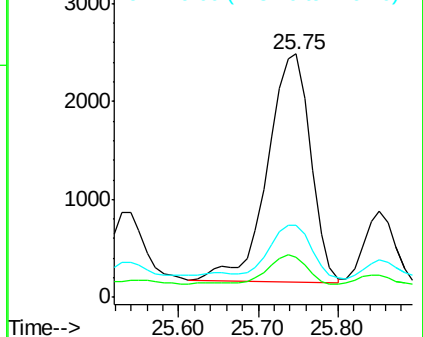
279 29.7 25.9 38.9



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: 3.35 ng/ul

RT: 26.44 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

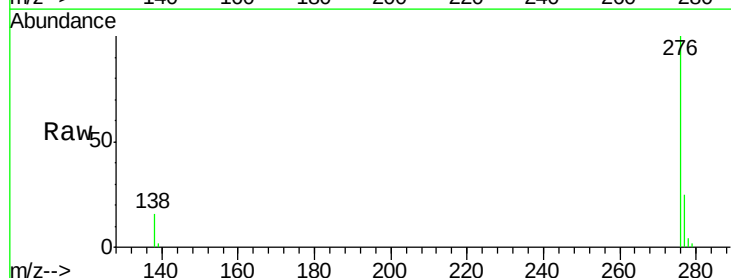
Tgt Ion:276 Resp: 26906

Ion Ratio Lower Upper

276 100

277 24.7 21.8 32.8

138 15.6 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

