

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008238.D
 Acq On : 10 Dec 2016 18:41
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 02:49:43 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	7.71	152	500	0.40	ng/ul	0.02
2) Naphthalene-d8	10.48	136	1711	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	913	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	1445	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	1447	0.40	ng/ul	0.01
20) Perylene-d12	23.52	264	1502	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.08	152	954	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1843	0.45	ng/ul	0.00

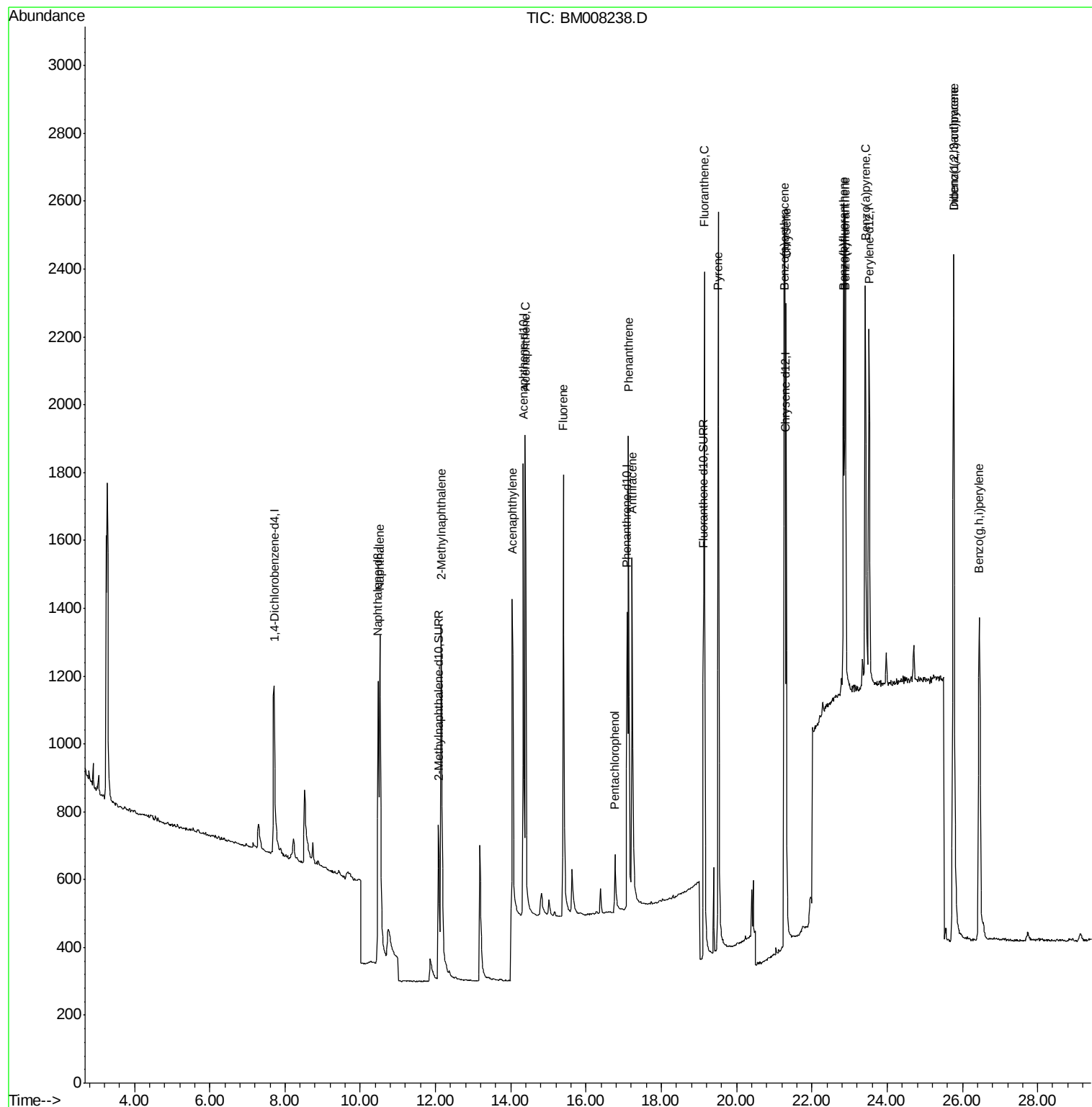
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.52	128	1854	0.39	ng/ul#	92
5) 2-Methylnaphthalene	12.15	142	1168	0.38	ng/ul	97
7) Acenaphthylene	14.04	152	1654	0.40	ng/ul#	91
8) Acenaphthene	14.38	153	1205	0.38	ng/ul	90
9) Fluorene	15.39	166	1284	0.36	ng/ul	87
11) Pentachlorophenol	16.76	266	206	0.41	ng/ul	94
12) Phenanthrene	17.13	178	1864	0.41	ng/ul	97
13) Anthracene	17.23	178	1758	0.42	ng/ul	96
15) Fluoranthene	19.15	202	3153	0.54	ng/ul	98
17) Pyrene	19.51	202	2361	0.47	ng/ul	97
18) Benzo(a)anthracene	21.27	228	1935	0.44	ng/ul	97
19) Chrysene	21.32	228	2097	0.38	ng/ul	96
21) Benzo(b)fluoranthene	22.84	252	2095	0.35	ng/ul	96
22) Benzo(k)fluoranthene	22.88	252	2302	0.37	ng/ul	95
23) Benzo(a)pyrene	23.42	252	2239	0.40	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.77	276	2693	0.39	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.77	278	2130	0.38	ng/ul	95
26) Benzo(g,h,i)perylene	26.45	276	2298	0.37	ng/ul	94

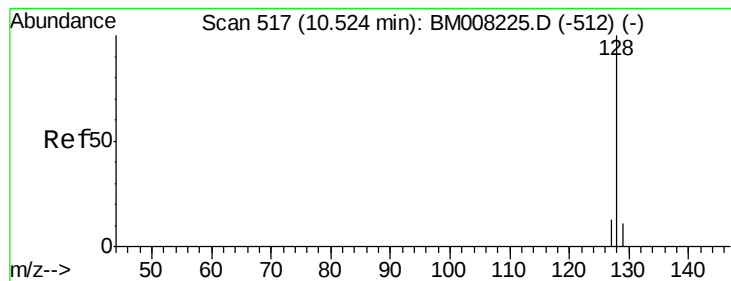
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampled :

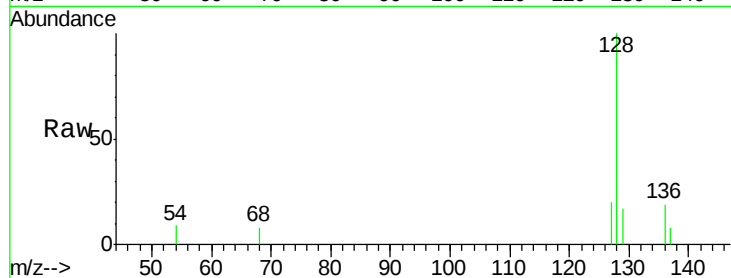
Tot Ion:128 Resp: 1854

Ion Ratio Lower Upper

128 100

129 16.9 11.3 16.9

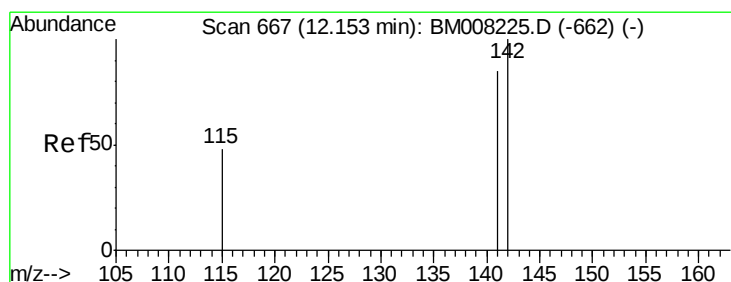
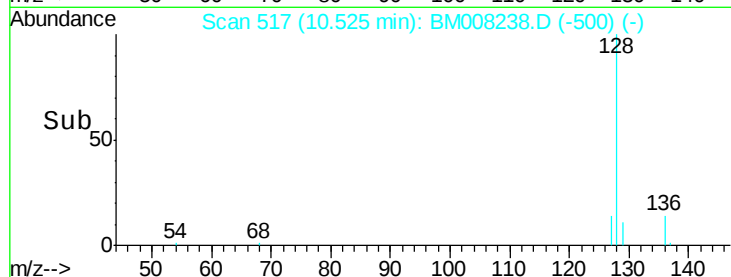
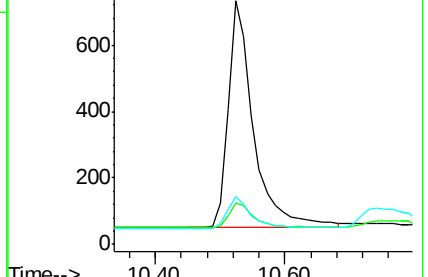
127 19.5 12.8 19.2#



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: 0.38 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM008238.D

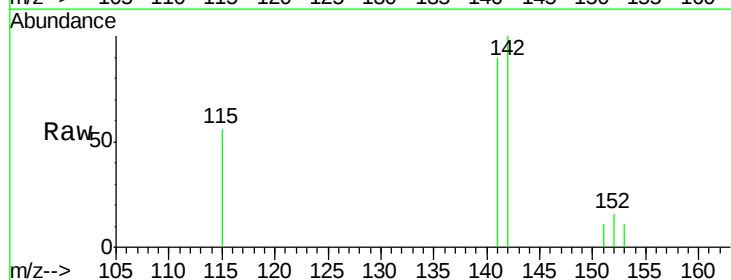
Acq: 10 Dec 2016 18:41

Tgt Ion:142 Resp: 1168

Ion Ratio Lower Upper

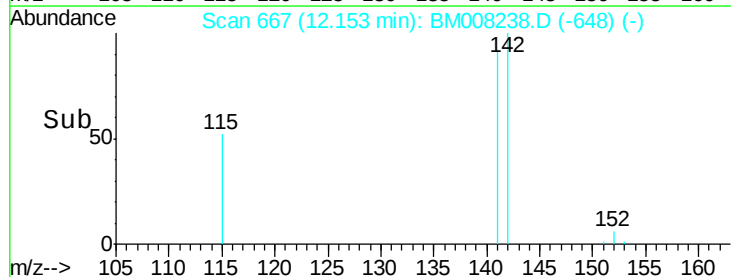
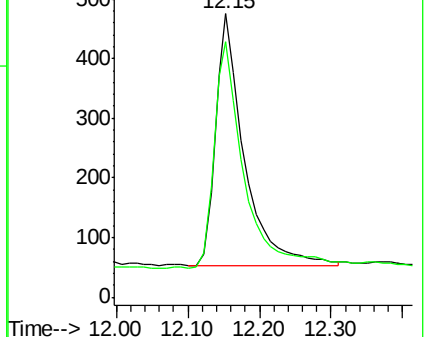
142 100

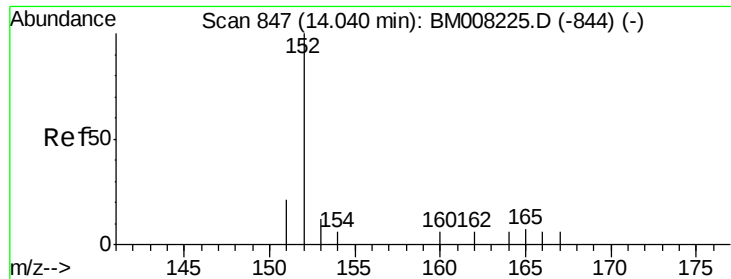
141 94.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampleId :

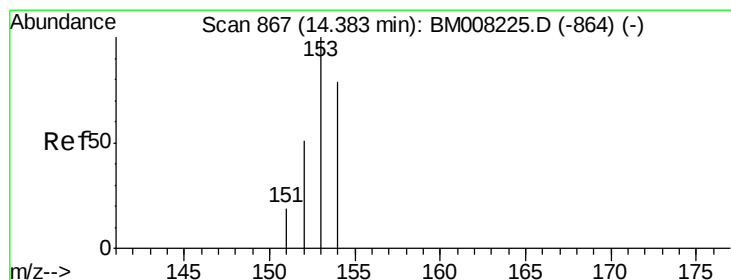
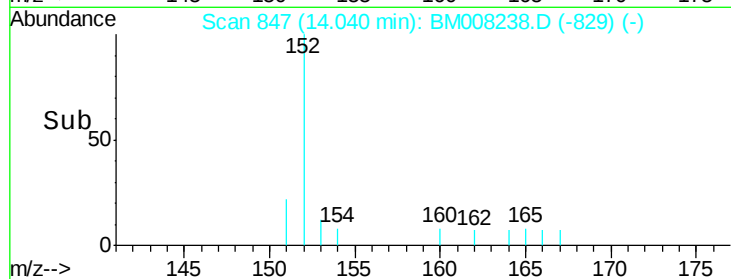
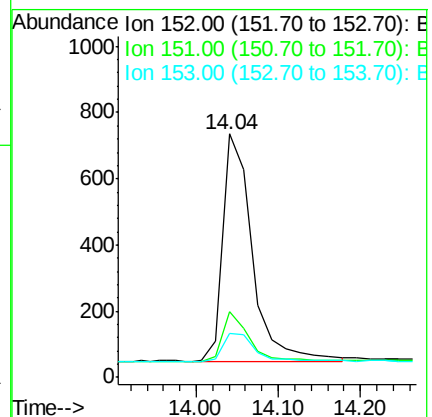
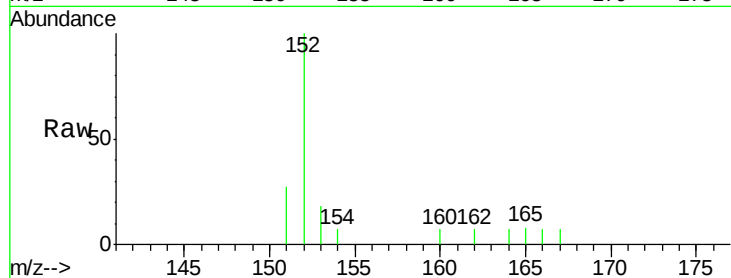
Tot Ion:152 Resp: 1654

Ion Ratio Lower Upper

152 100

151 26.8 17.1 25.7#

153 18.1 12.8 19.2



#8

Acenaphthene

Concen: 0.38 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

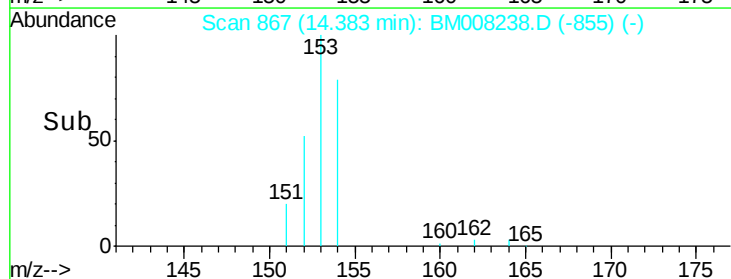
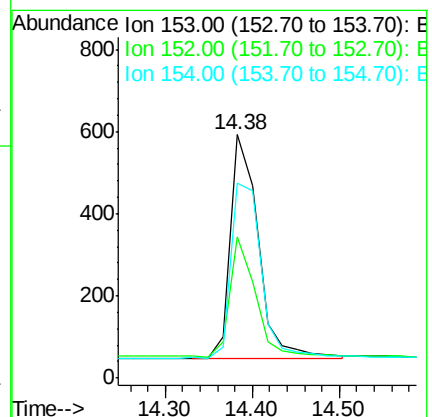
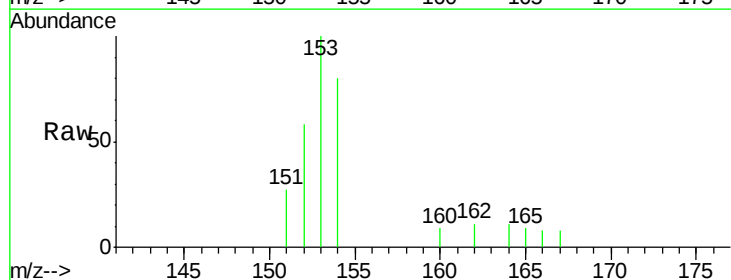
Tgt Ion:153 Resp: 1205

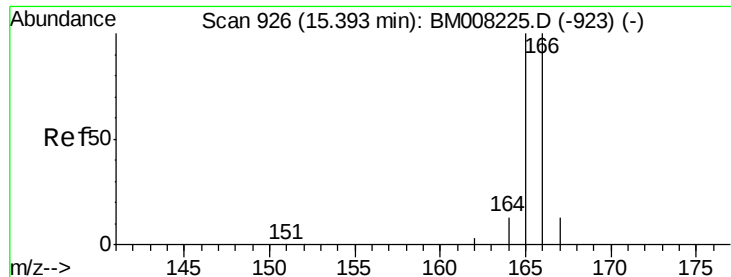
Ion Ratio Lower Upper

153 100

152 57.8 40.3 60.5

154 80.1 71.4 107.2





#9

Fluorene

Concen: 0.36 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampleId :

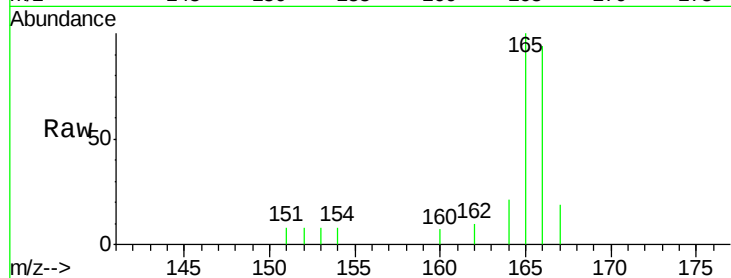
Tot Ion:166 Resp: 1284

Ion Ratio Lower Upper

166 100

165 106.2 73.4 110.2

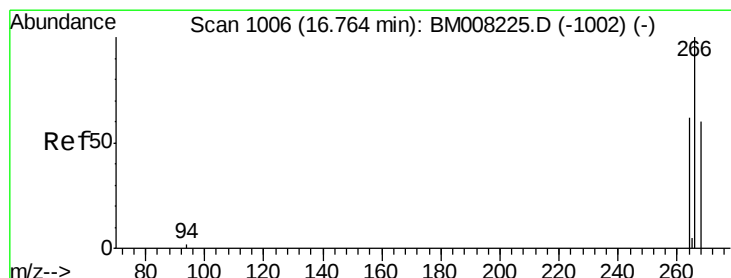
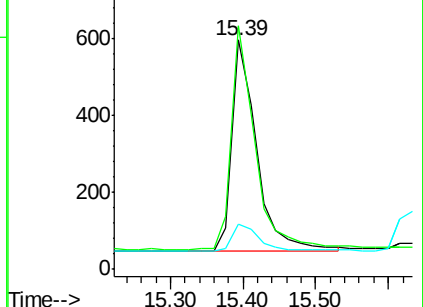
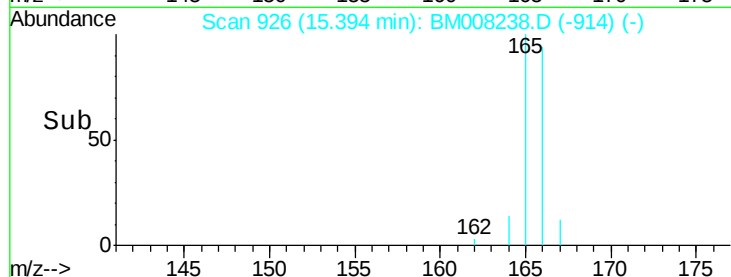
167 20.0 14.6 22.0



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: 0.41 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

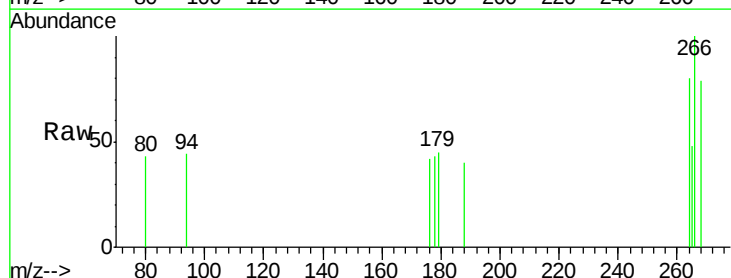
Tgt Ion:266 Resp: 206

Ion Ratio Lower Upper

266 100

264 64.6 47.9 71.9

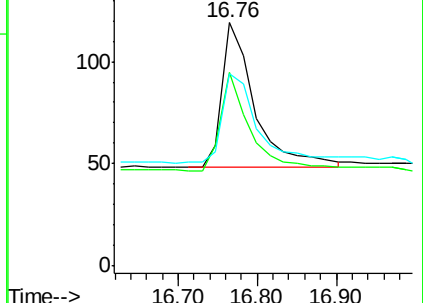
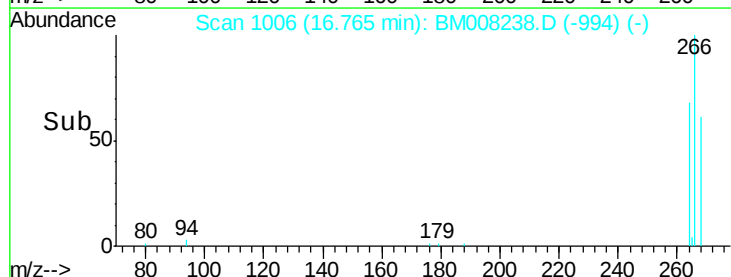
268 67.0 49.8 74.8

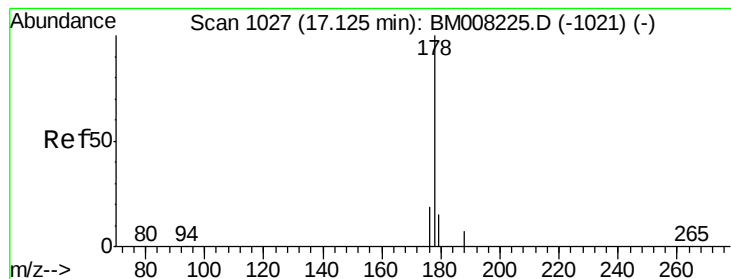


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.13 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampleId :

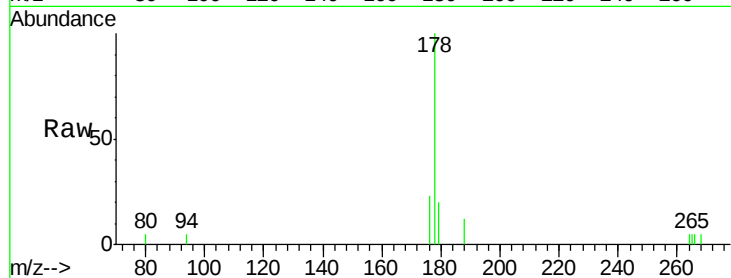
Tot Ion:178 Resp: 1864

Ion Ratio Lower Upper

178 100

176 23.4 18.4 27.6

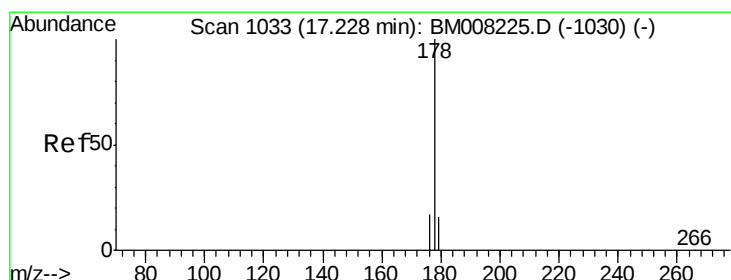
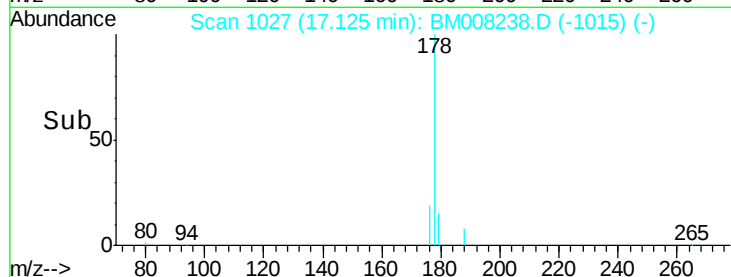
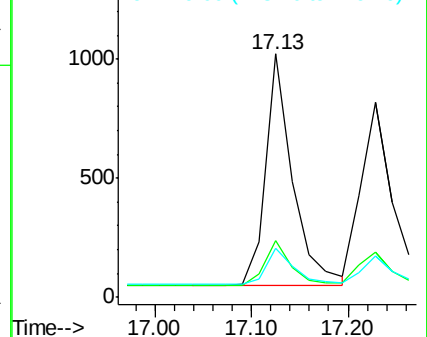
179 19.9 13.6 20.4



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: 0.42 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

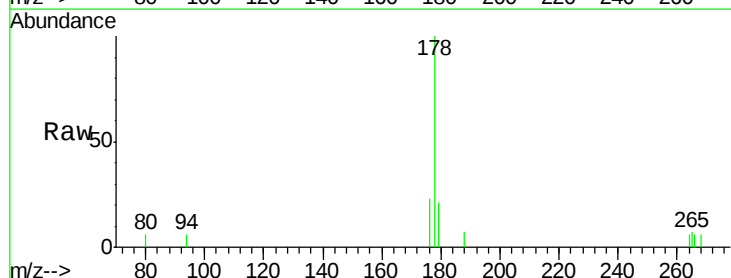
Tgt Ion:178 Resp: 1758

Ion Ratio Lower Upper

178 100

176 23.3 18.1 27.1

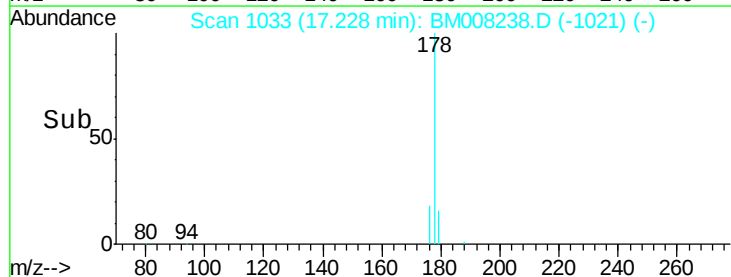
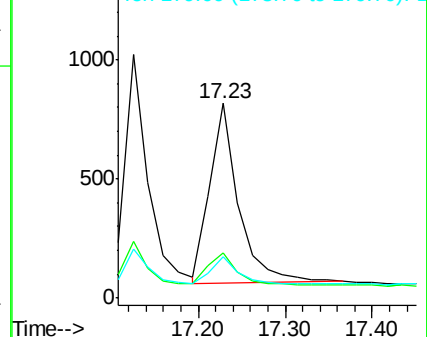
179 21.3 14.7 22.1

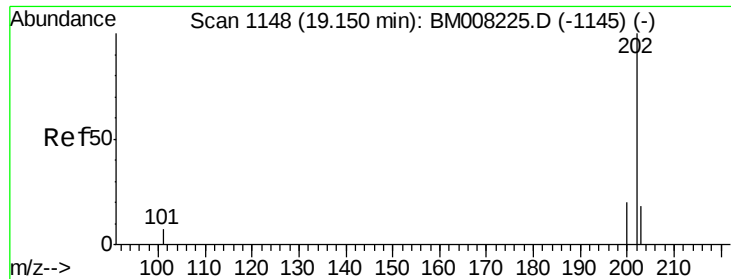


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

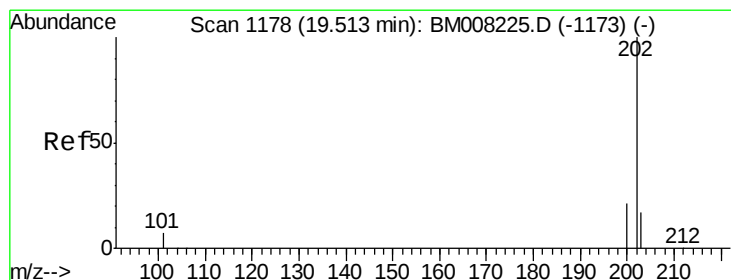
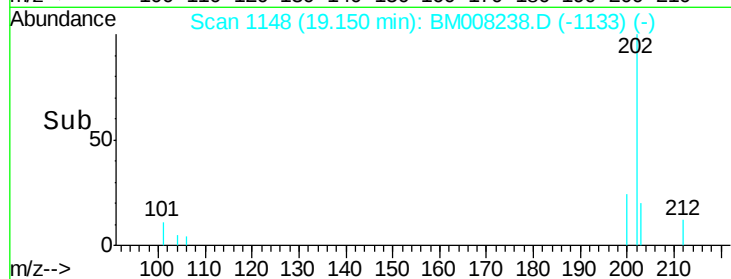
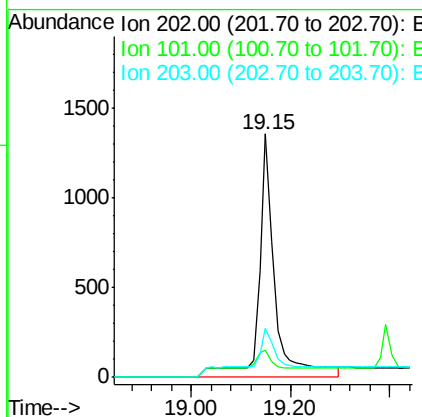
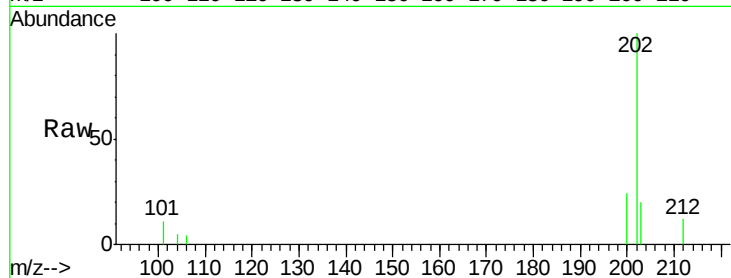




#15
Fluoranthene
Concen: 0.54 ng/ul
RT: 19.15 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BM008238.D
Acq: 10 Dec 2016 18:41

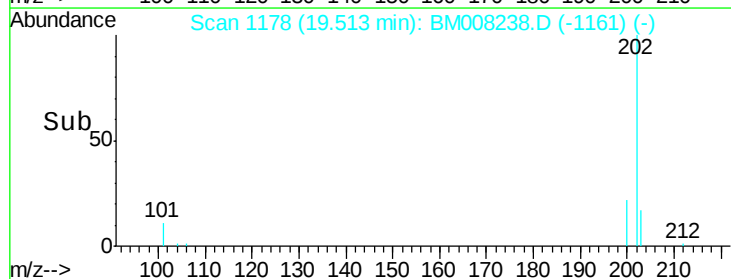
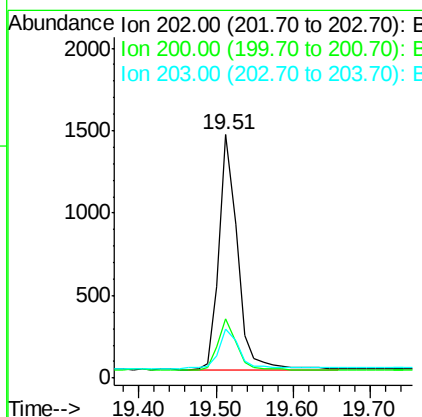
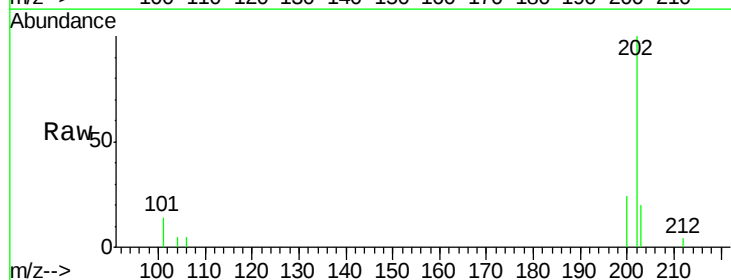
Instrument :
BNA_M
ClientSampleId :

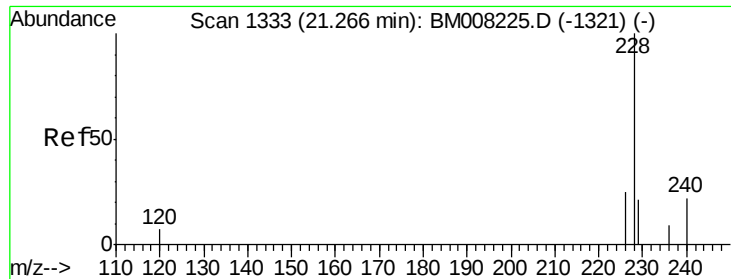
Tot Ion:202 Resp: 3153
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.3
203 20.3 0.0 39.5



#17
Pyrene
Concen: 0.47 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BM008238.D
Acq: 10 Dec 2016 18:41

Tgt Ion:202 Resp: 2361
Ion Ratio Lower Upper
202 100
200 24.4 18.2 27.4
203 20.4 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampleId :

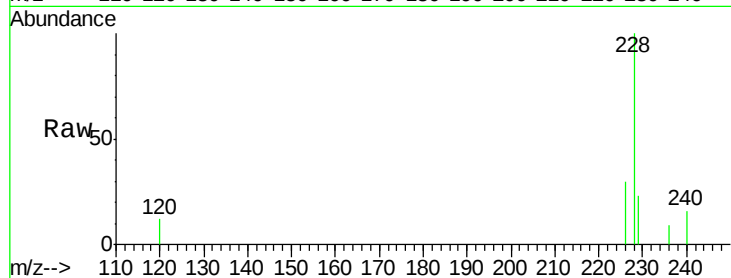
Tot Ion:228 Resp: 1935

Ion Ratio Lower Upper

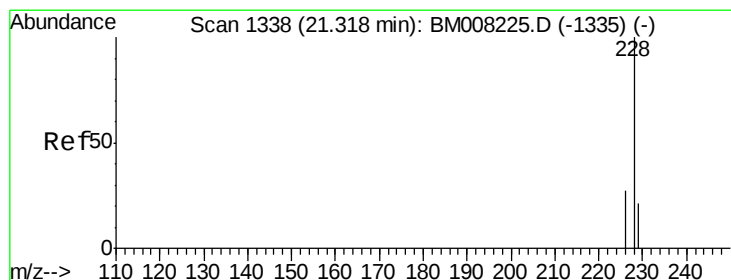
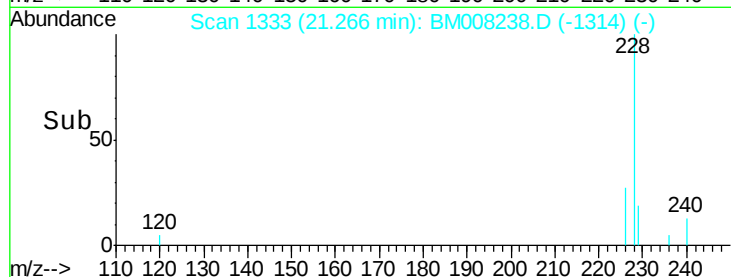
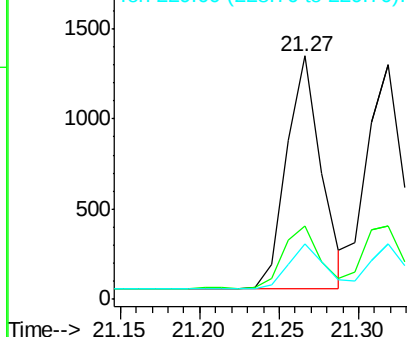
228 100

226 29.9 22.8 34.2

229 22.7 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: 0.38 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

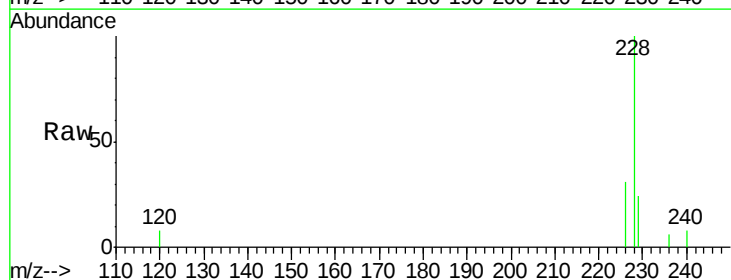
Tgt Ion:228 Resp: 2097

Ion Ratio Lower Upper

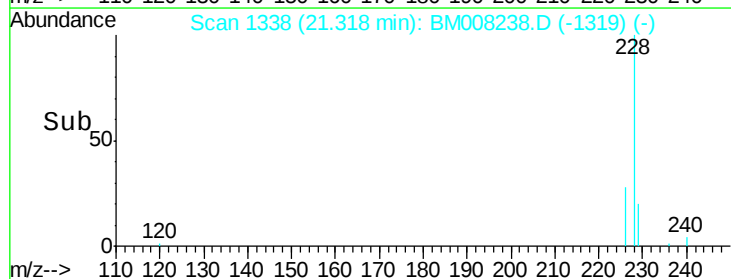
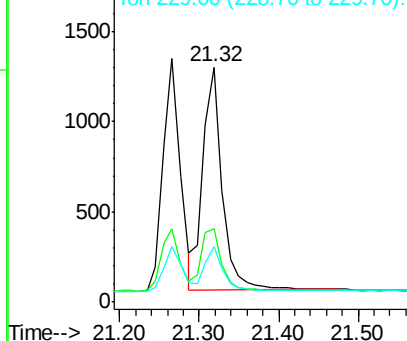
228 100

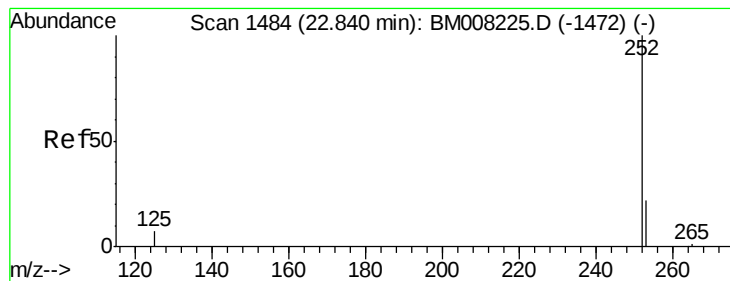
226 31.2 23.4 35.0

229 23.7 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: 0.35 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampleId :

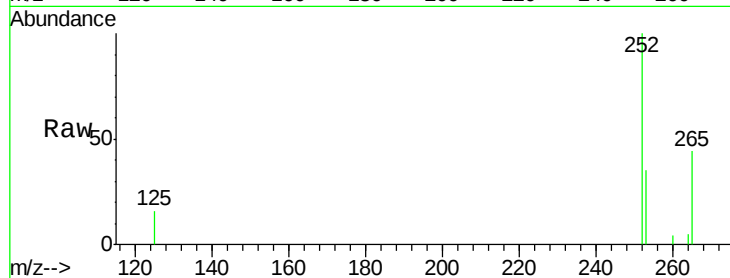
Tot Ion:252 Resp: 2095

Ion Ratio Lower Upper

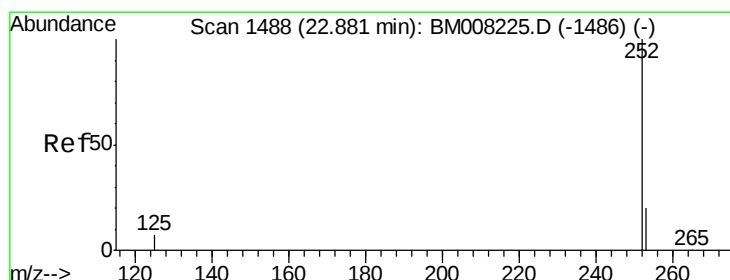
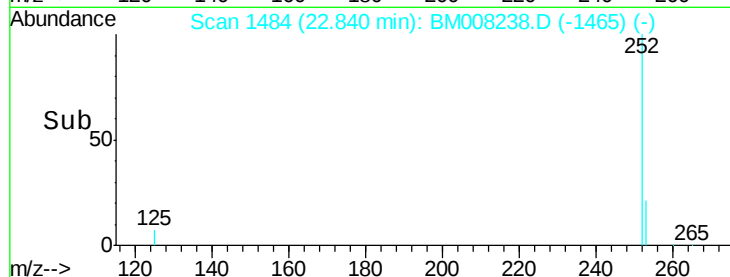
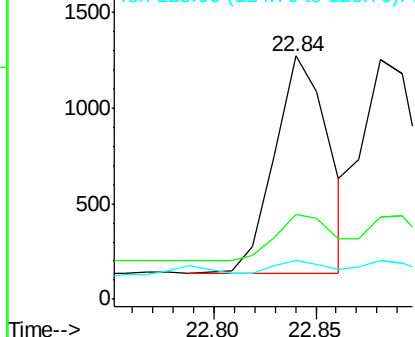
252 100

253 34.7 0.0 64.2

125 15.9 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: 0.37 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

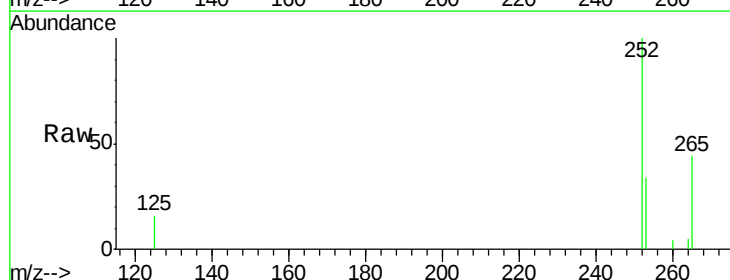
Tgt Ion:252 Resp: 2302

Ion Ratio Lower Upper

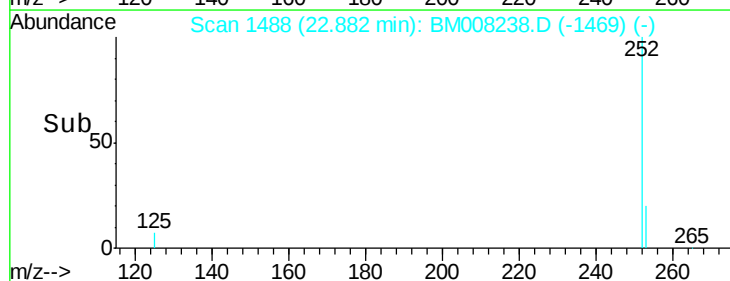
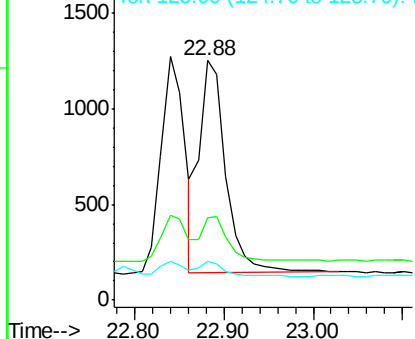
252 100

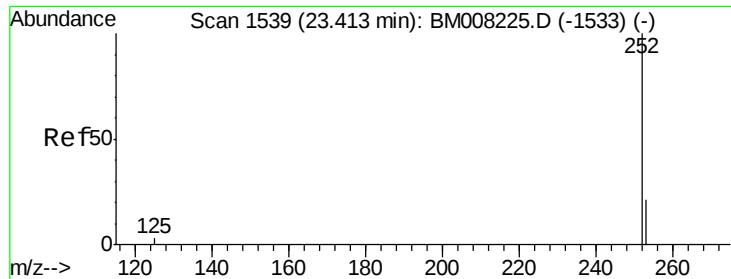
253 34.2 24.5 36.7

125 16.3 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: 0.40 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampleId :

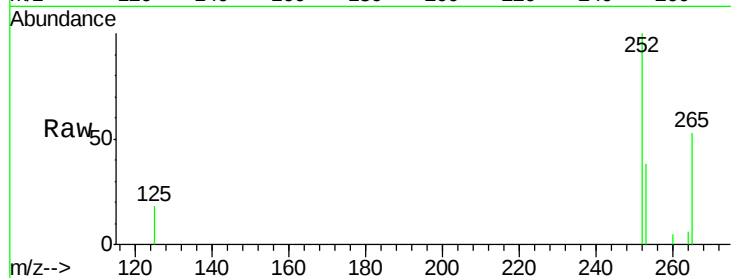
Tot Ion:252 Resp: 2239

Ion Ratio Lower Upper

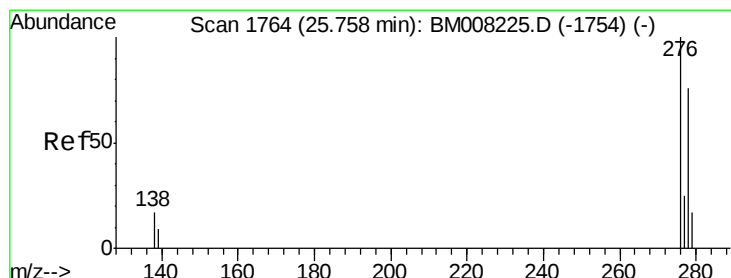
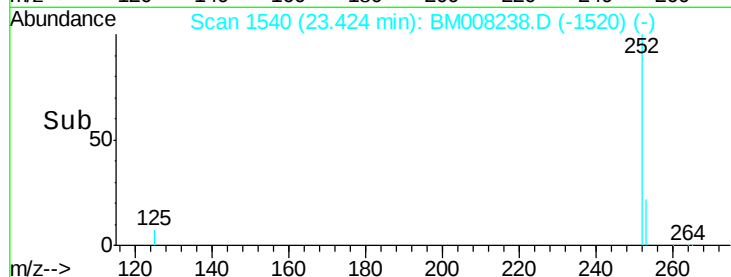
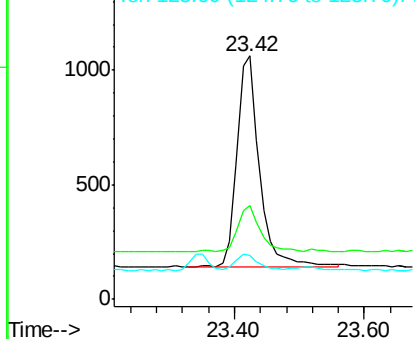
252 100

253 38.3 28.5 42.7

125 18.0 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: 0.39 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

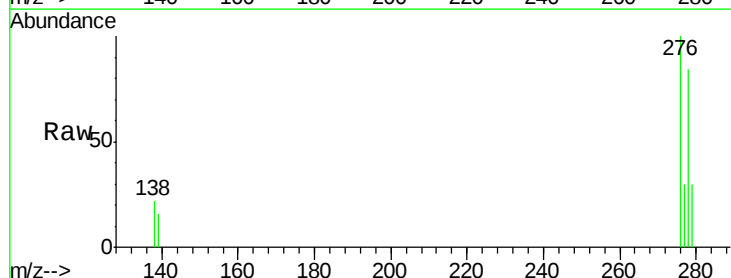
Tgt Ion:276 Resp: 2693

Ion Ratio Lower Upper

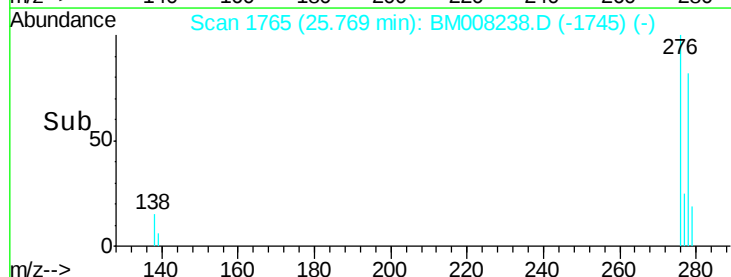
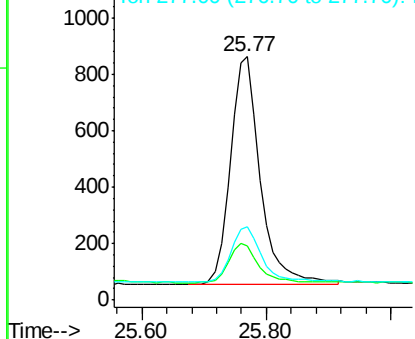
276 100

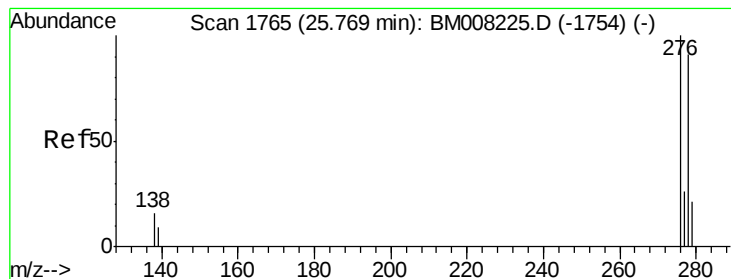
138 18.0 19.1 28.7#

277 25.1 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: 0.38 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

Instrument :

BNA_M

ClientSampleId :

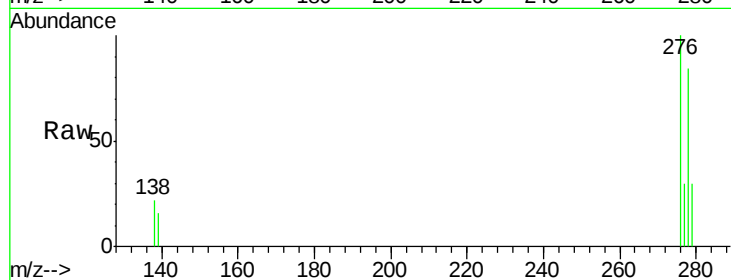
Tot Ion:278 Resp: 2130

Ion Ratio Lower Upper

278 100

139 19.6 17.4 26.0

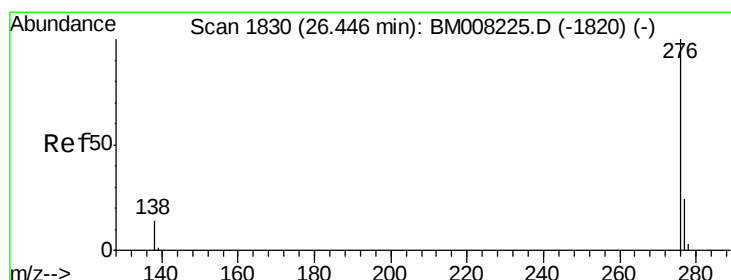
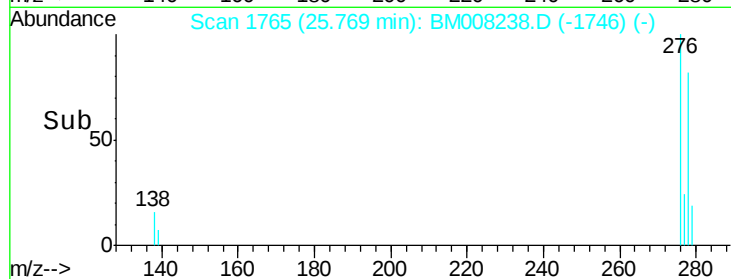
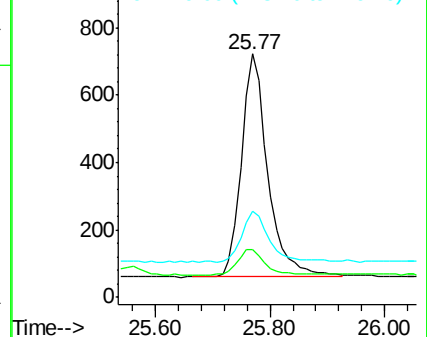
279 35.5 25.9 38.9



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: 0.37 ng/ul

RT: 26.45 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BM008238.D

Acq: 10 Dec 2016 18:41

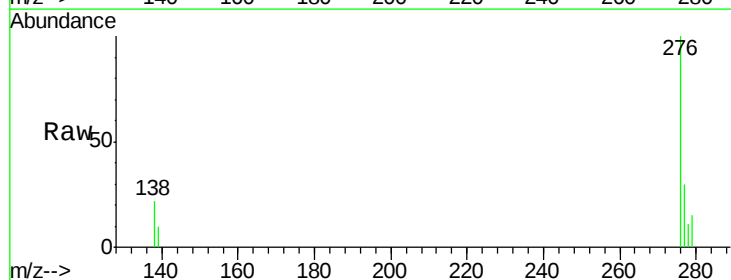
Tgt Ion:276 Resp: 2298

Ion Ratio Lower Upper

276 100

277 29.9 21.8 32.8

138 21.8 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

