

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008252.D
 Acq On : 11 Dec 2016 03:04
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 03:56:17 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 12 03:51:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	587	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.48	136	1993	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	1116	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	1846	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	1764	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1793	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	1135	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2267	0.43	ng/ul	0.00

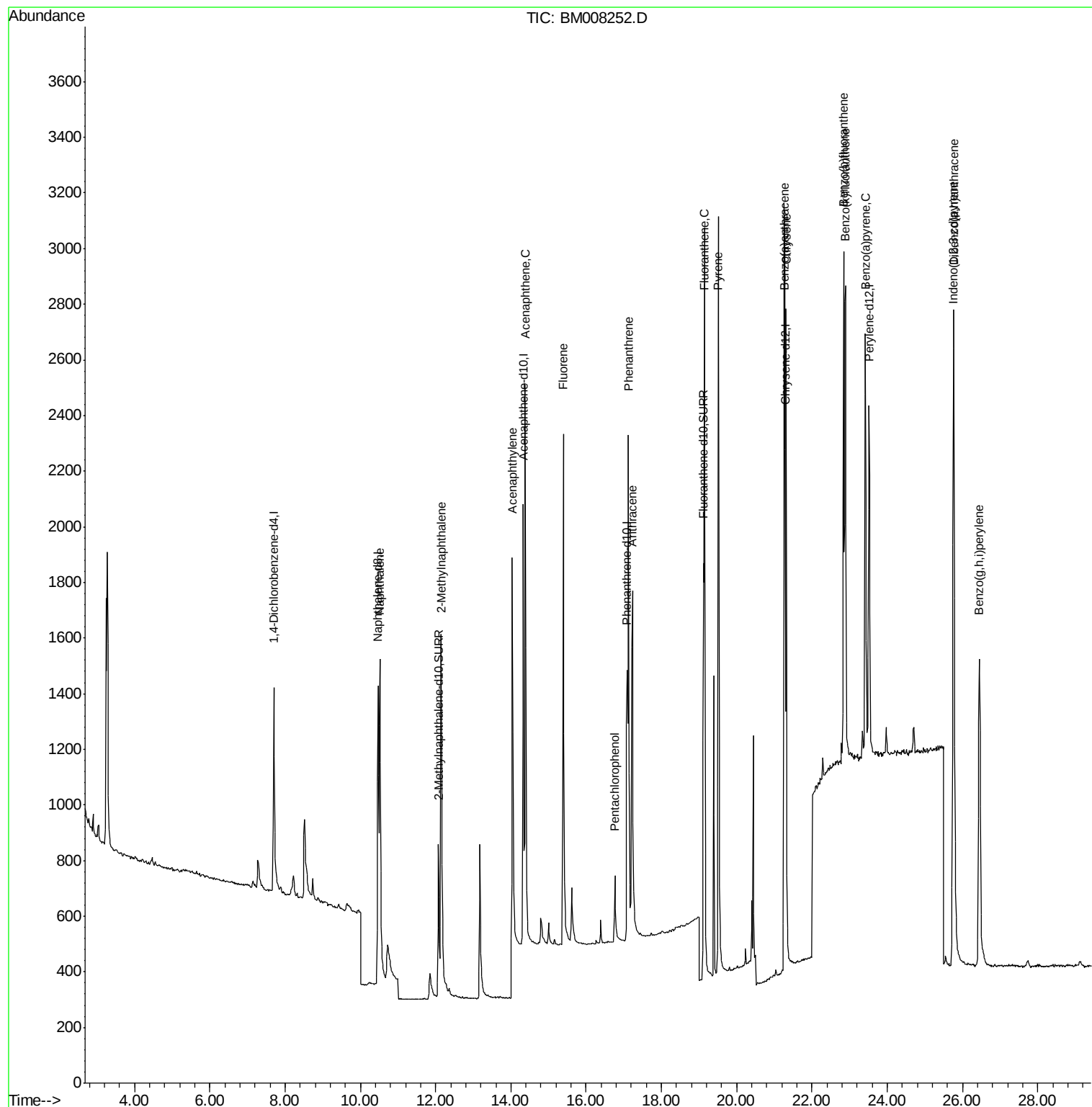
Target Compounds				Ovalue		
3) Naphthalene	10.52	128	2170	0.39	ng/ul	96
5) 2-Methylnaphthalene	12.15	142	1416	0.39	ng/ul	97
7) Acenaphthylene	14.04	152	2028	0.40	ng/ul	96
8) Acenaphthene	14.38	153	1483	0.39	ng/ul	93
9) Fluorene	15.39	166	1612	0.37	ng/ul	92
11) Pentachlorophenol	16.76	266	260	0.40	ng/ul	97
12) Phenanthrene	17.12	178	2347	0.41	ng/ul	97
13) Anthracene	17.23	178	2355	0.44	ng/ul	96
15) Fluoranthene	19.14	202	3008	0.41	ng/ul	96
17) Pyrene	19.51	202	2998	0.49	ng/ul	96
18) Benzo(a)anthracene	21.26	228	2617	0.48	ng/ul	98
19) Chrysene	21.31	228	2412	0.36	ng/ul	97
21) Benzo(b)fluoranthene	22.84	252	2575	0.36	ng/ul	97
22) Benzo(k)fluoranthene	22.89	252	2786	0.38	ng/ul	93
23) Benzo(a)pyrene	23.42	252	2642	0.39	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	25.75	276	3213	0.39	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.77	278	2531	0.38	ng/ul	95
26) Benzo(a,h,i)perylene	26.44	276	2748	0.37	ng/ul	95

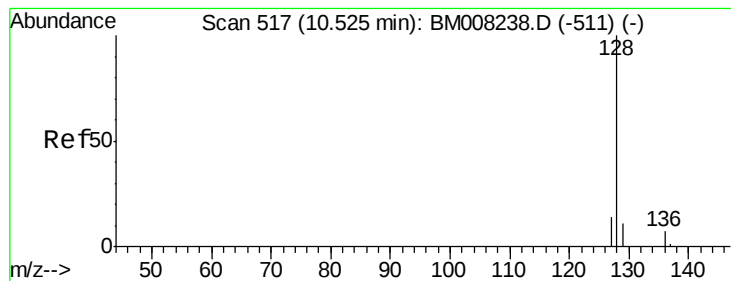
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM008252.D

Acq: 11 Dec 2016 03:04

Instrument :

BNA_M

ClientSampleId :

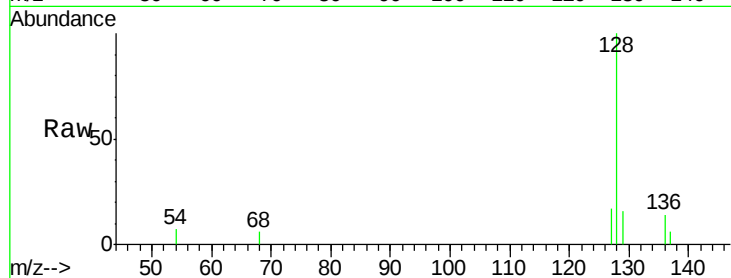
Tot Ion:128 Resp: 2170

Ion Ratio Lower Upper

128 100

129 15.7 11.3 16.9

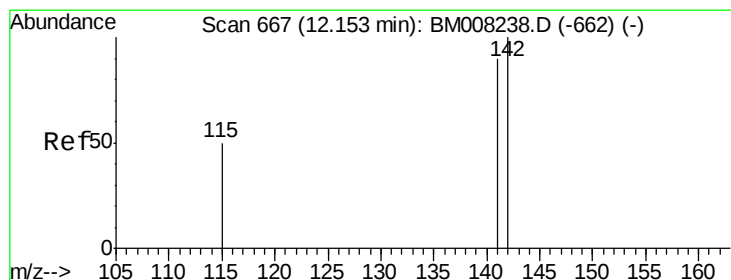
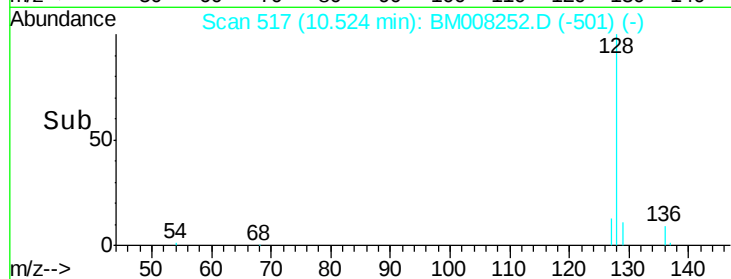
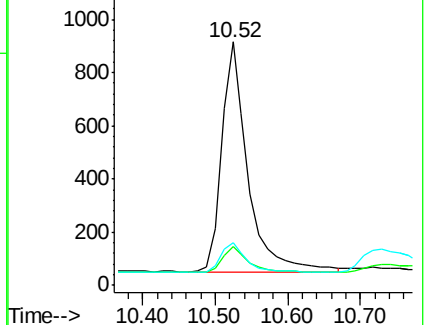
127 17.5 12.8 19.2



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: 0.39 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. -0.00 min

Lab File: BM008252.D

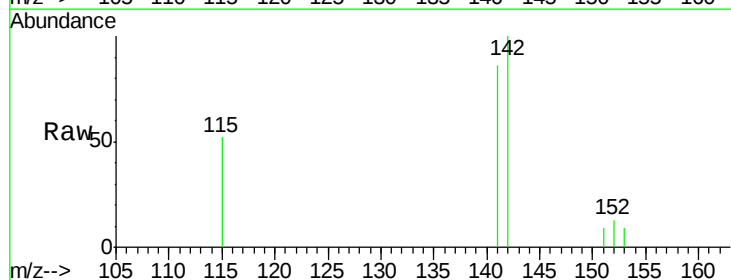
Acq: 11 Dec 2016 03:04

Tgt Ion:142 Resp: 1416

Ion Ratio Lower Upper

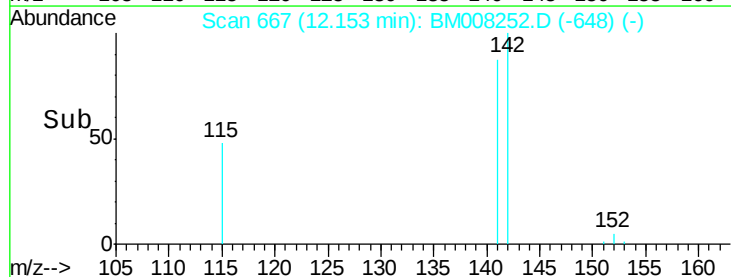
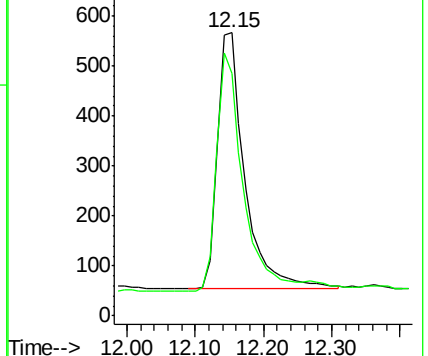
142 100

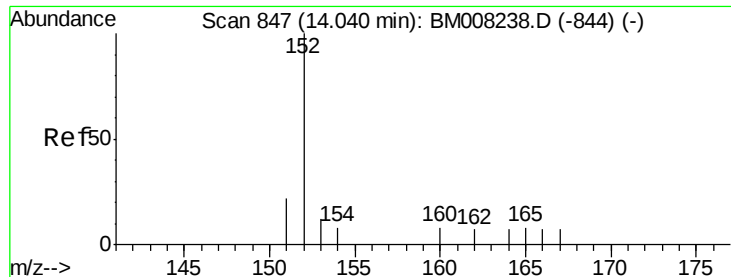
141 93.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

Instrument :

BNA_M

ClientSampled :

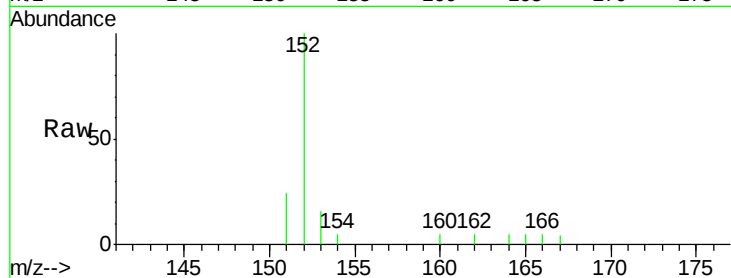
Tot Ion:152 Resp: 2028

Ion Ratio Lower Upper

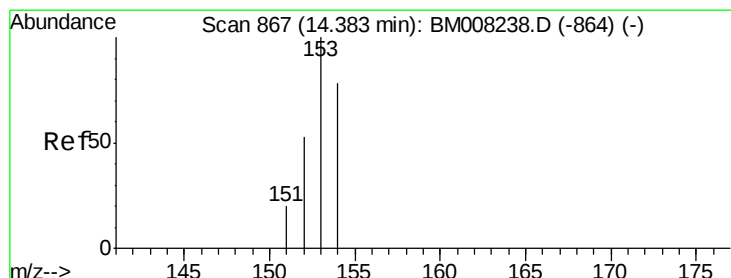
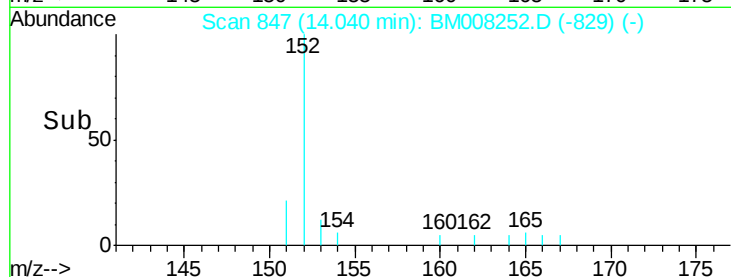
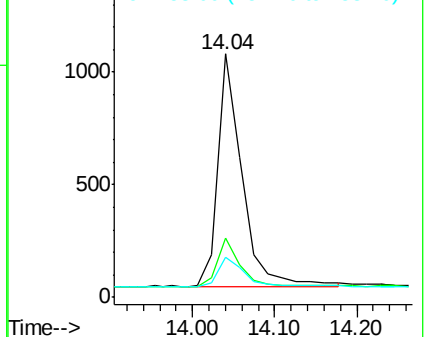
152 100

151 24.4 17.1 25.7

153 16.3 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: 0.39 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

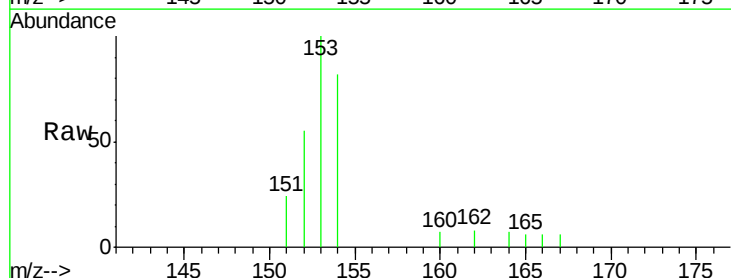
Tgt Ion:153 Resp: 1483

Ion Ratio Lower Upper

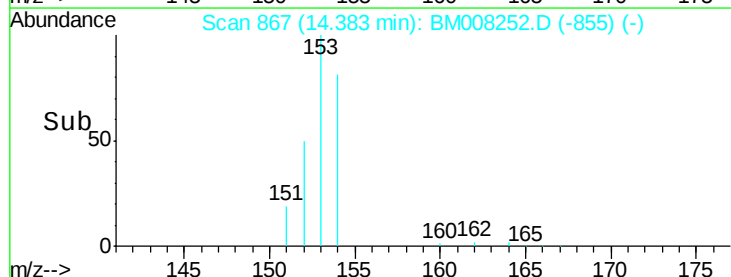
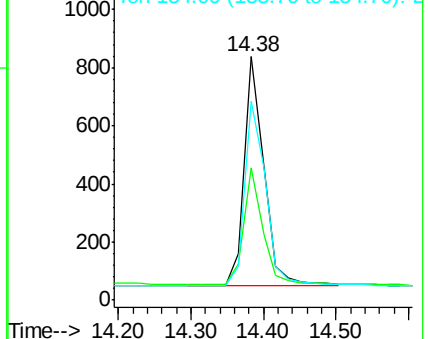
153 100

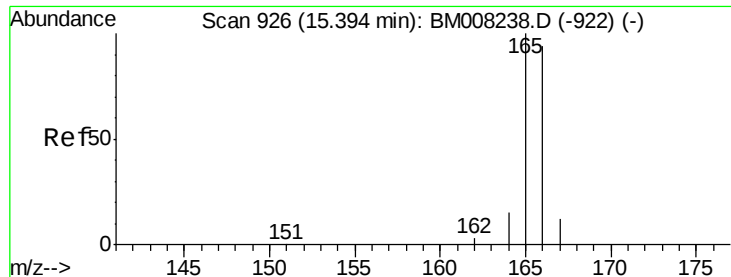
152 54.5 40.3 60.5

154 81.9 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: 0.37 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

Instrument :

BNA_M

ClientSampled :

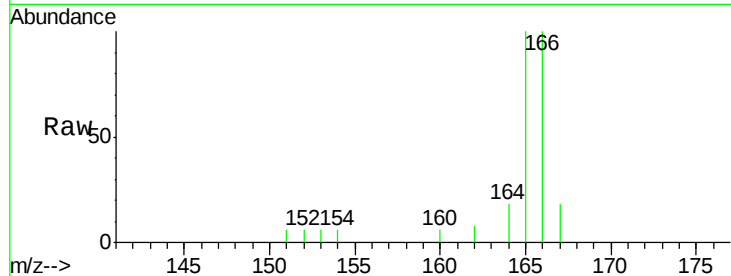
Tot Ion:166 Resp: 1612

Ion Ratio Lower Upper

166 100

165 100.5 73.4 110.2

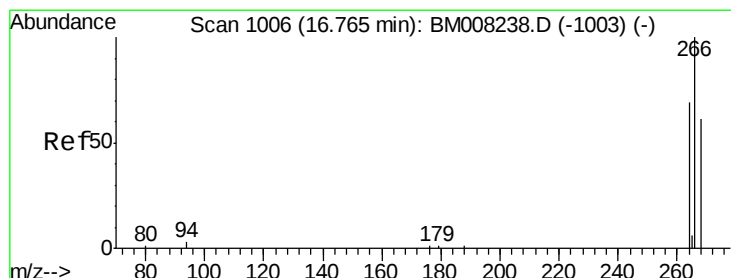
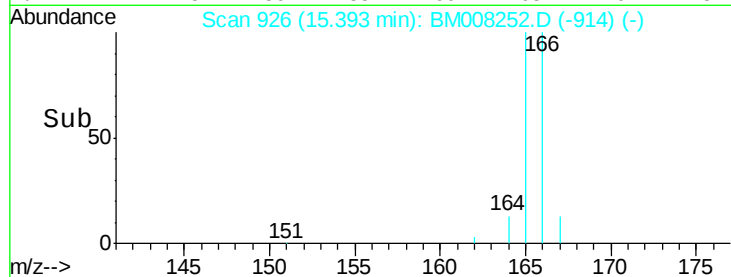
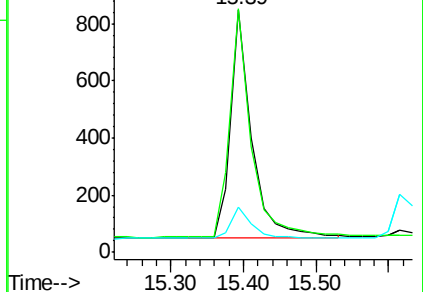
167 18.4 14.6 22.0



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: 0.40 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

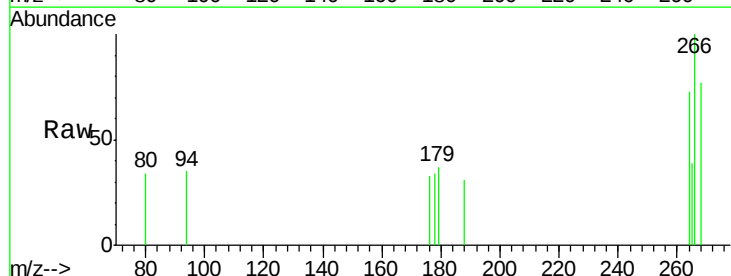
Tgt Ion:266 Resp: 260

Ion Ratio Lower Upper

266 100

264 62.3 47.9 71.9

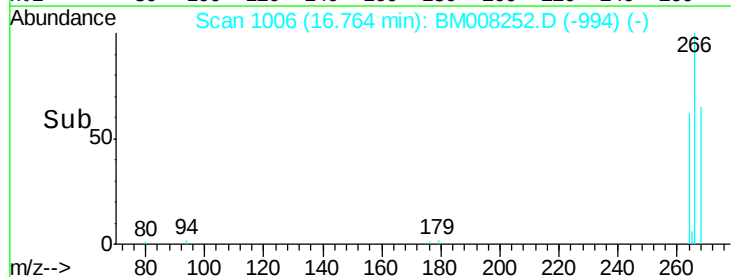
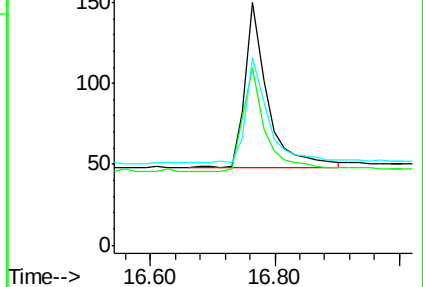
268 60.8 49.8 74.8

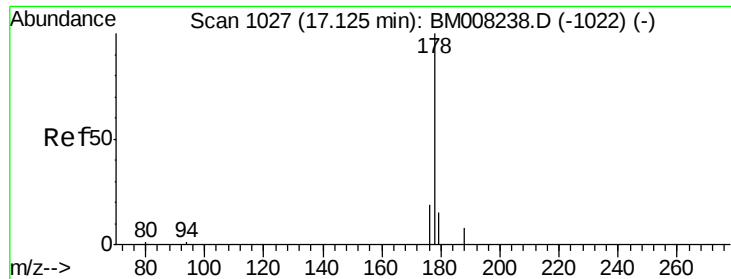


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.12 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

Instrument :

BNA_M

ClientSampleId :

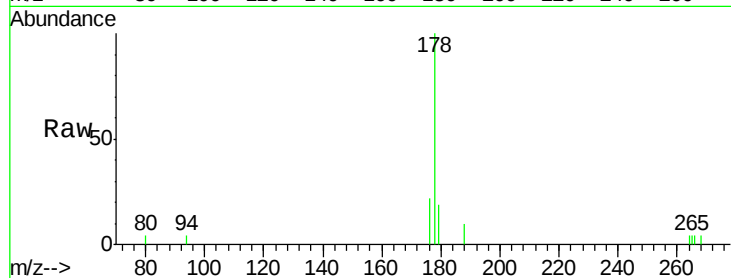
Tot Ion:178 Resp: 2347

Ion Ratio Lower Upper

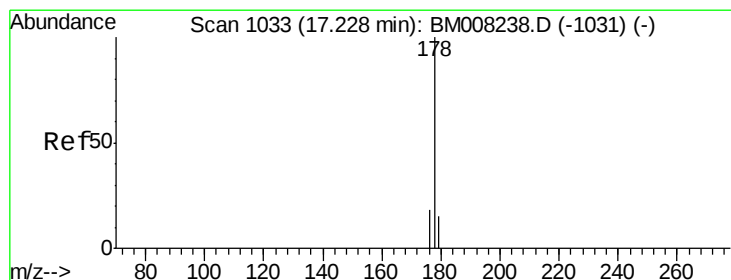
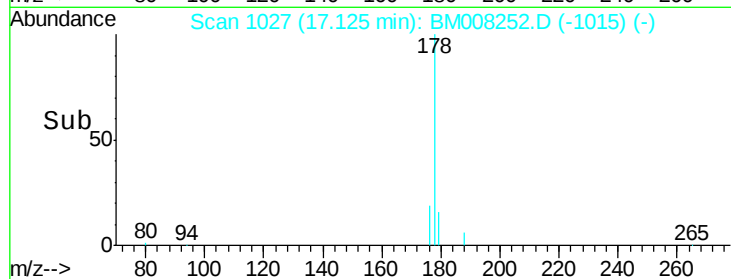
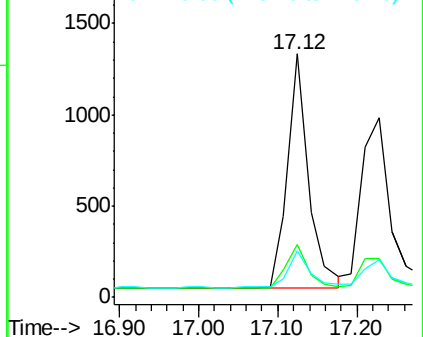
178 100

176 21.8 18.4 27.6

179 19.0 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: 0.44 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

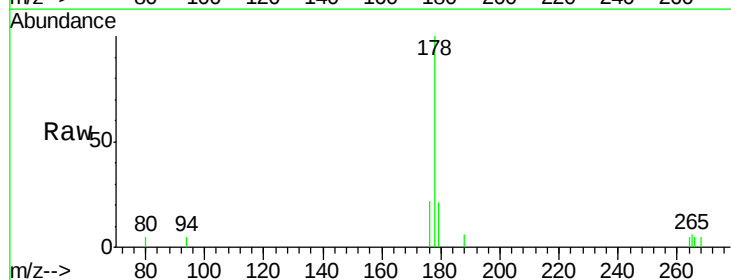
Tgt Ion:178 Resp: 2355

Ion Ratio Lower Upper

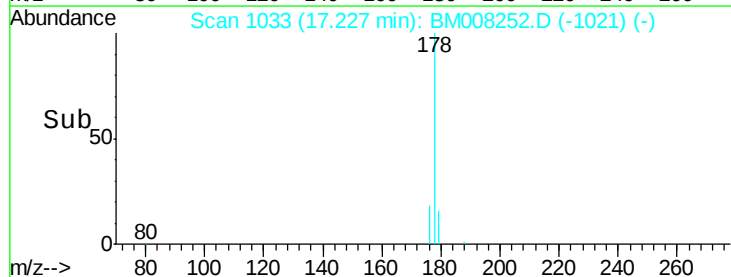
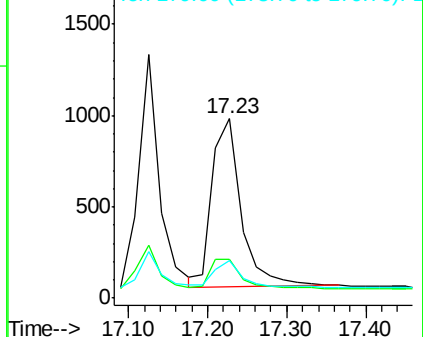
178 100

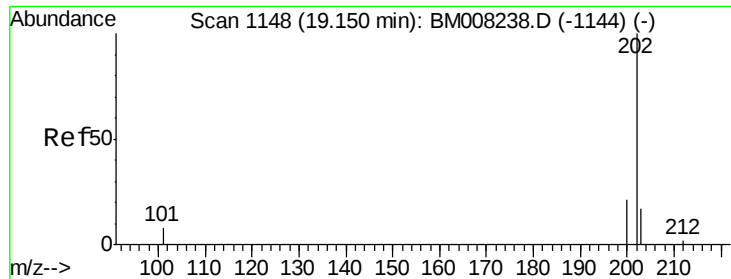
176 21.8 18.1 27.1

179 21.0 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

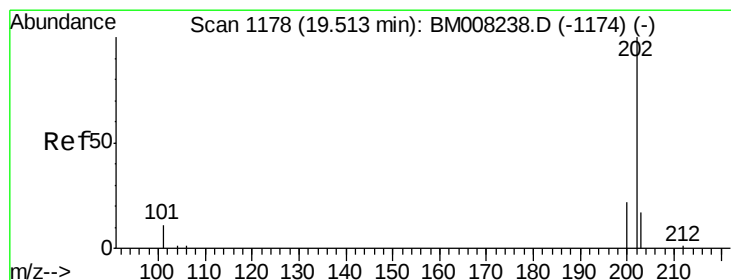
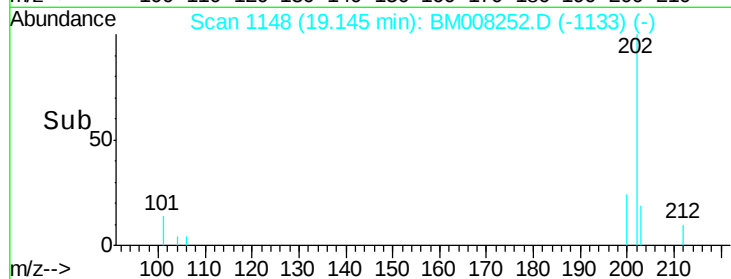
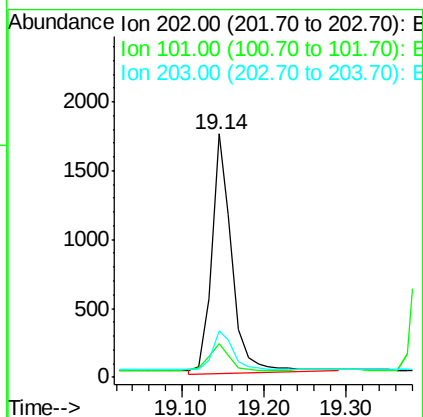
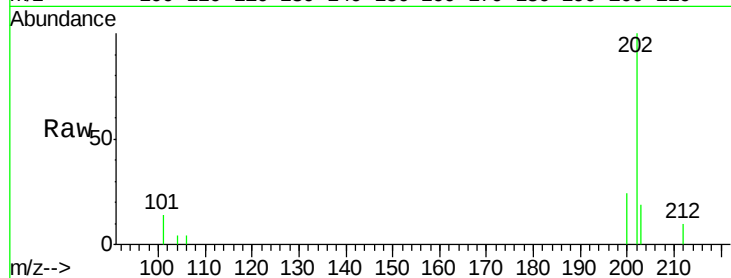




#15
Fluoranthene
 Concen: 0.41 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BM008252.D
 Acq: 11 Dec 2016 03:04

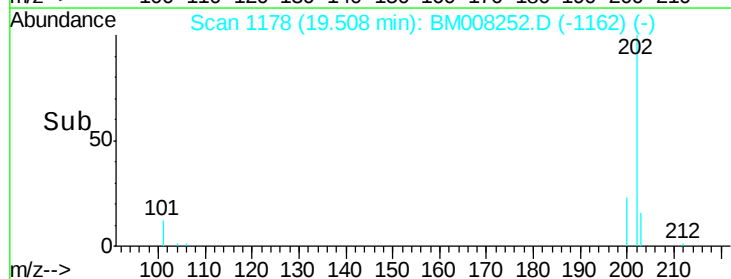
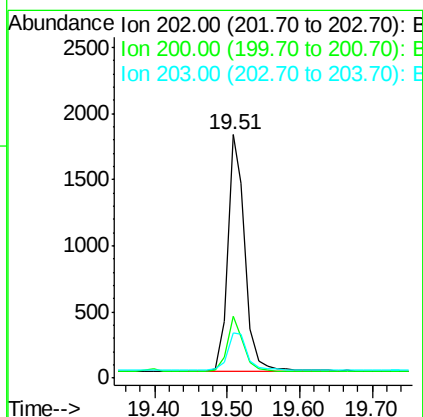
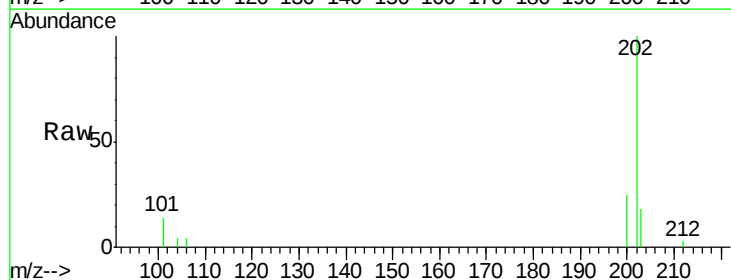
Instrument :
 BNA_M
 ClientSampleId :

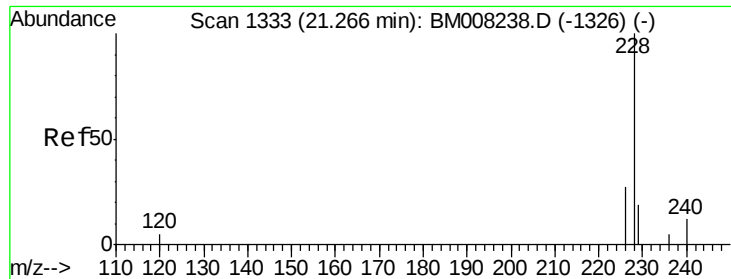
Tot Ion:202 Resp: 3008
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 30.3
 203 18.9 0.0 39.5



#17
Pyrene
 Concen: 0.49 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BM008252.D
 Acq: 11 Dec 2016 03:04

Tgt Ion:202 Resp: 2998
 Ion Ratio Lower Upper
 202 100
 200 25.4 18.2 27.4
 203 18.5 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.48 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

Instrument :

BNA_M

ClientSampleId :

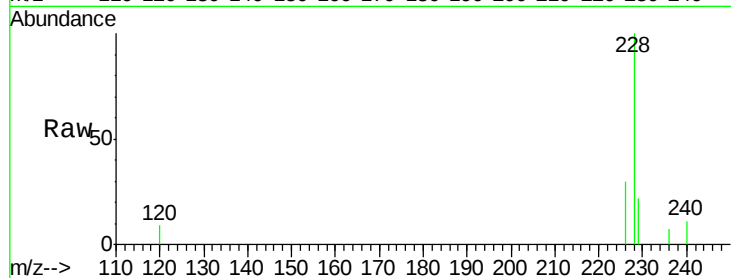
Tot Ion:228 Resp: 2617

Ion Ratio Lower Upper

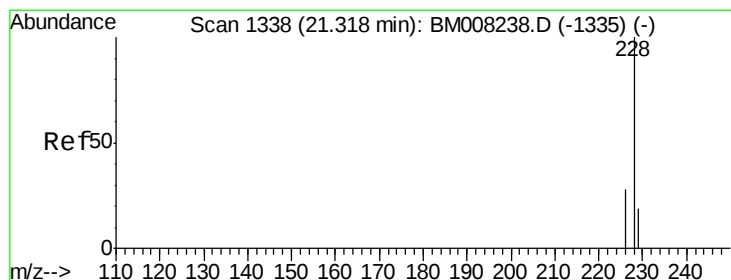
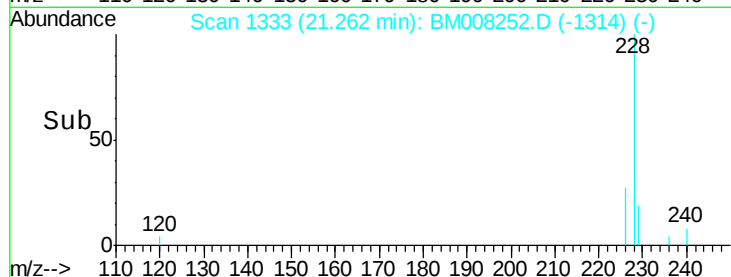
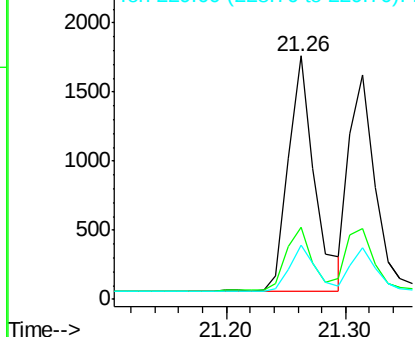
228 100

226 29.7 22.8 34.2

229 22.1 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: 0.36 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

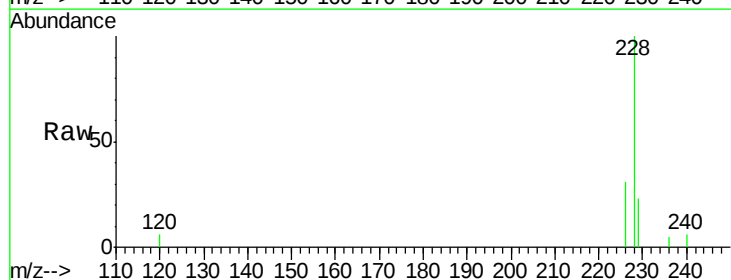
Tgt Ion:228 Resp: 2412

Ion Ratio Lower Upper

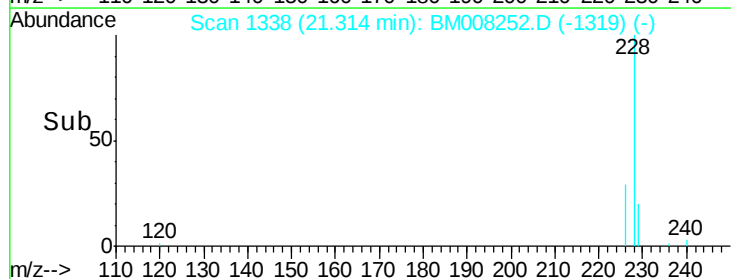
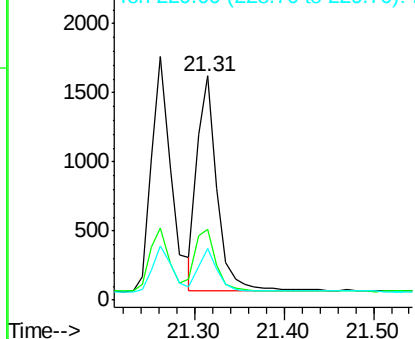
228 100

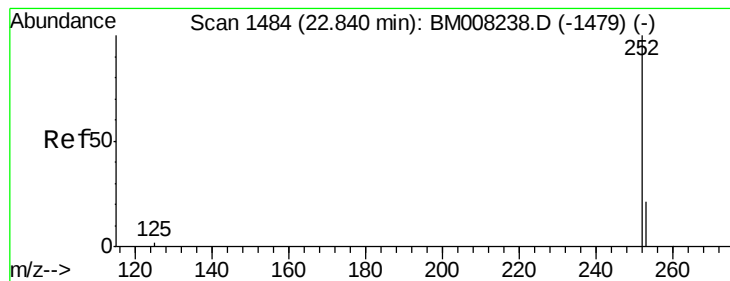
226 31.5 23.4 35.0

229 22.9 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: 0.36 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

Instrument :

BNA_M

ClientSampleId :

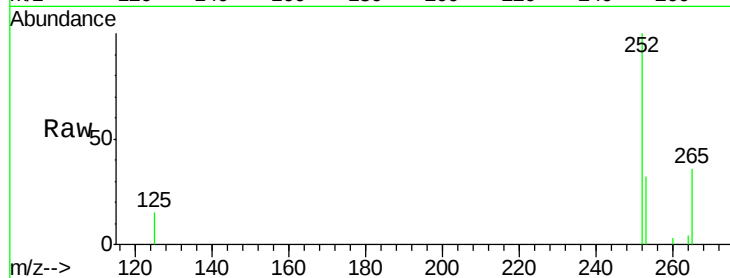
Tot Ion:252 Resp: 2575

Ion Ratio Lower Upper

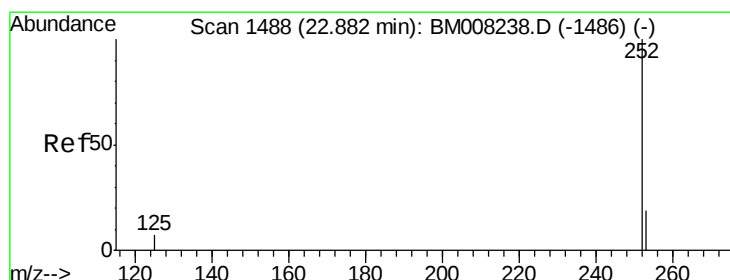
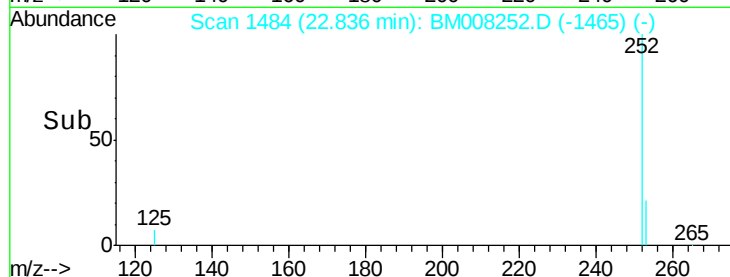
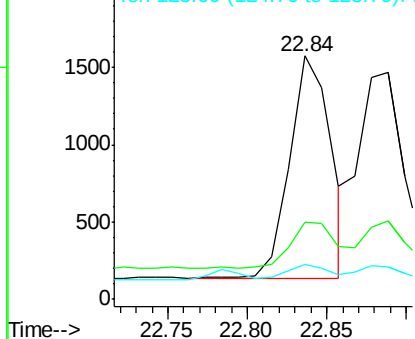
252 100

253 31.8 0.0 64.2

125 14.6 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: 0.38 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

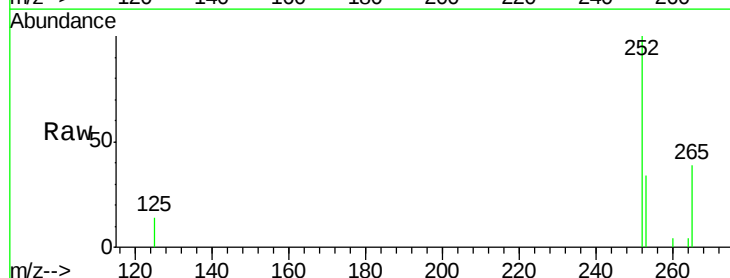
Tgt Ion:252 Resp: 2786

Ion Ratio Lower Upper

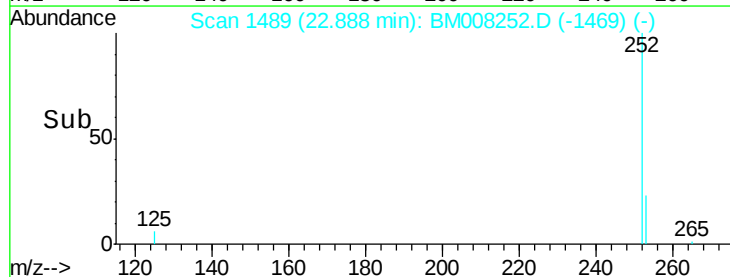
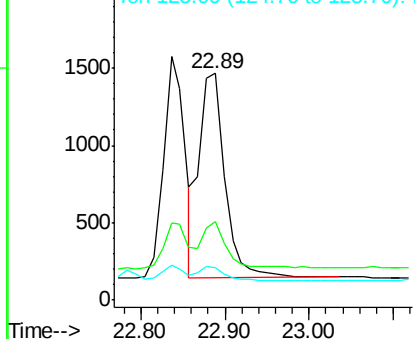
252 100

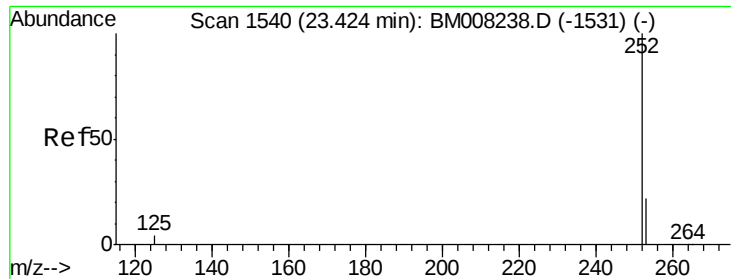
253 34.4 24.5 36.7

125 14.3 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: 0.39 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

Instrument :

BNA_M

ClientSampleId :

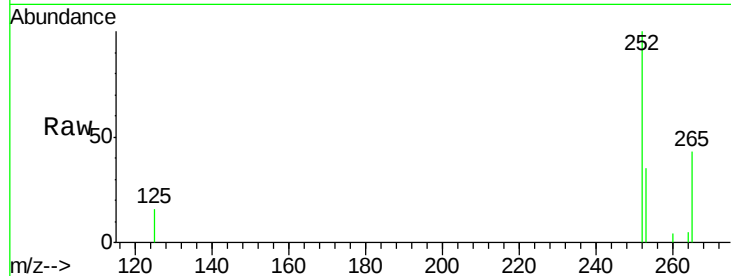
Tot Ion:252 Resp: 2642

Ion Ratio Lower Upper

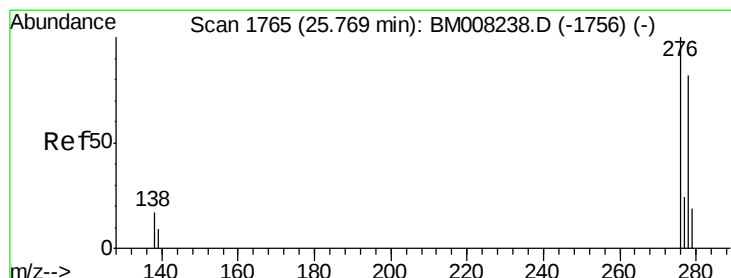
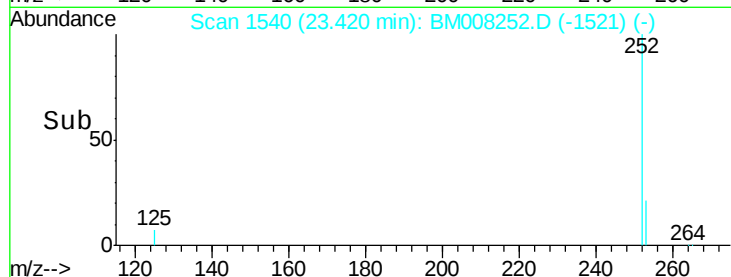
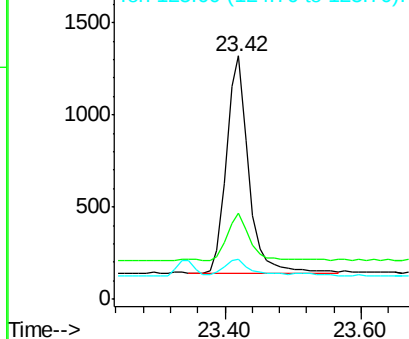
252 100

253 35.3 28.5 42.7

125 16.2 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: 25.75 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008252.D

Acq: 11 Dec 2016 03:04

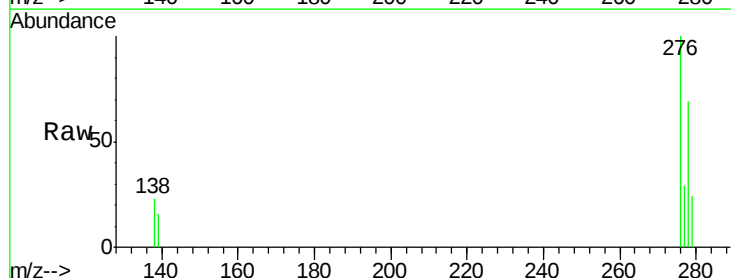
Tgt Ion:276 Resp: 3213

Ion Ratio Lower Upper

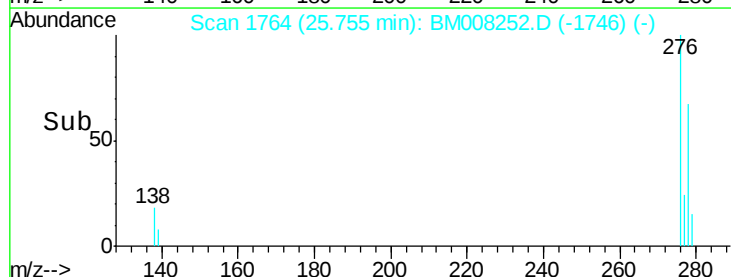
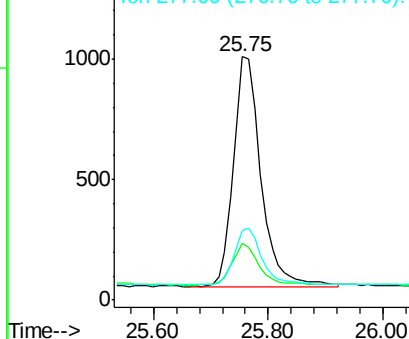
276 100

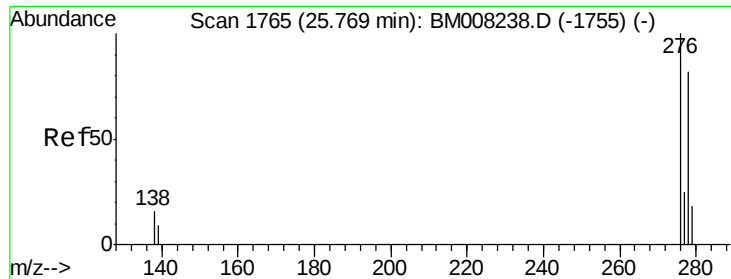
138 17.6 19.1 28.7#

277 24.6 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

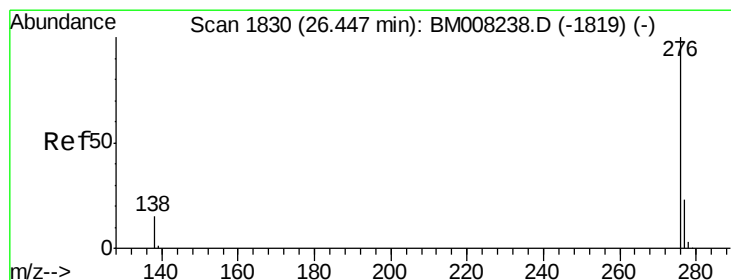
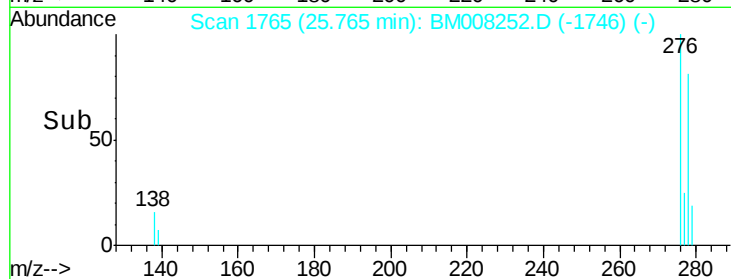
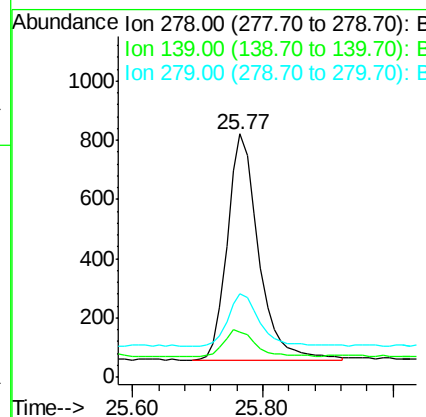
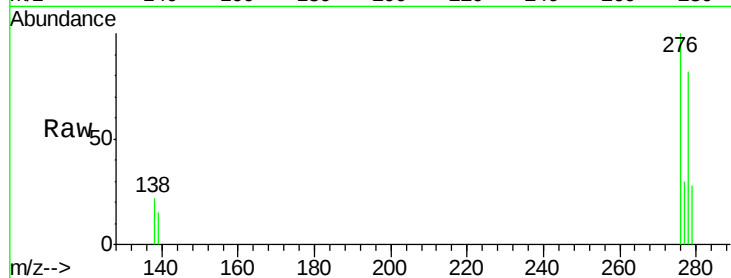




#25
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 25.77 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BM008252.D
Acq: 11 Dec 2016 03:04

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 2531
Ion Ratio Lower Upper
278 100
139 18.6 17.4 26.0
279 34.4 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.37 ng/ul
RT: 26.44 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BM008252.D
Acq: 11 Dec 2016 03:04

Tgt Ion:276 Resp: 2748
Ion Ratio Lower Upper
276 100
277 29.0 21.8 32.8
138 21.8 20.5 30.7

