

Data Path : Z:\HPCHEM1\BNA_M\Data\BM083115\
 Data File : BM002633.D
 Acq On : 01 Sep 2015 17:56
 Operator : UM/IZ
 Sample : G3456-21
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6

Quant Time: Sep 01 18:33:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 07:11:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	115206	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	509931	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	262906	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.09	188	443739	20.00	ng/ul	0.00
17) Chrysene-d12	22.18	240	331105	20.00	ng/ul	0.02
22) Perylene-d12	24.64	264	289339	20.00	ng/ul	-0.14

System Monitoring Compounds

7) Acenaphthylene-d8	15.07	160	423917	15.77	ng/ul	0.00
10) Fluorene-d10	16.34	176	277850	14.72	ng/ul	0.00
14) Anthracene-d10	18.19	188	346933	16.21	ng/ul	0.01
18) Pyrene-d10	20.41	212	285811	19.47	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.49	264	54	0.00	ng/ul	-0.13

Target Compounds

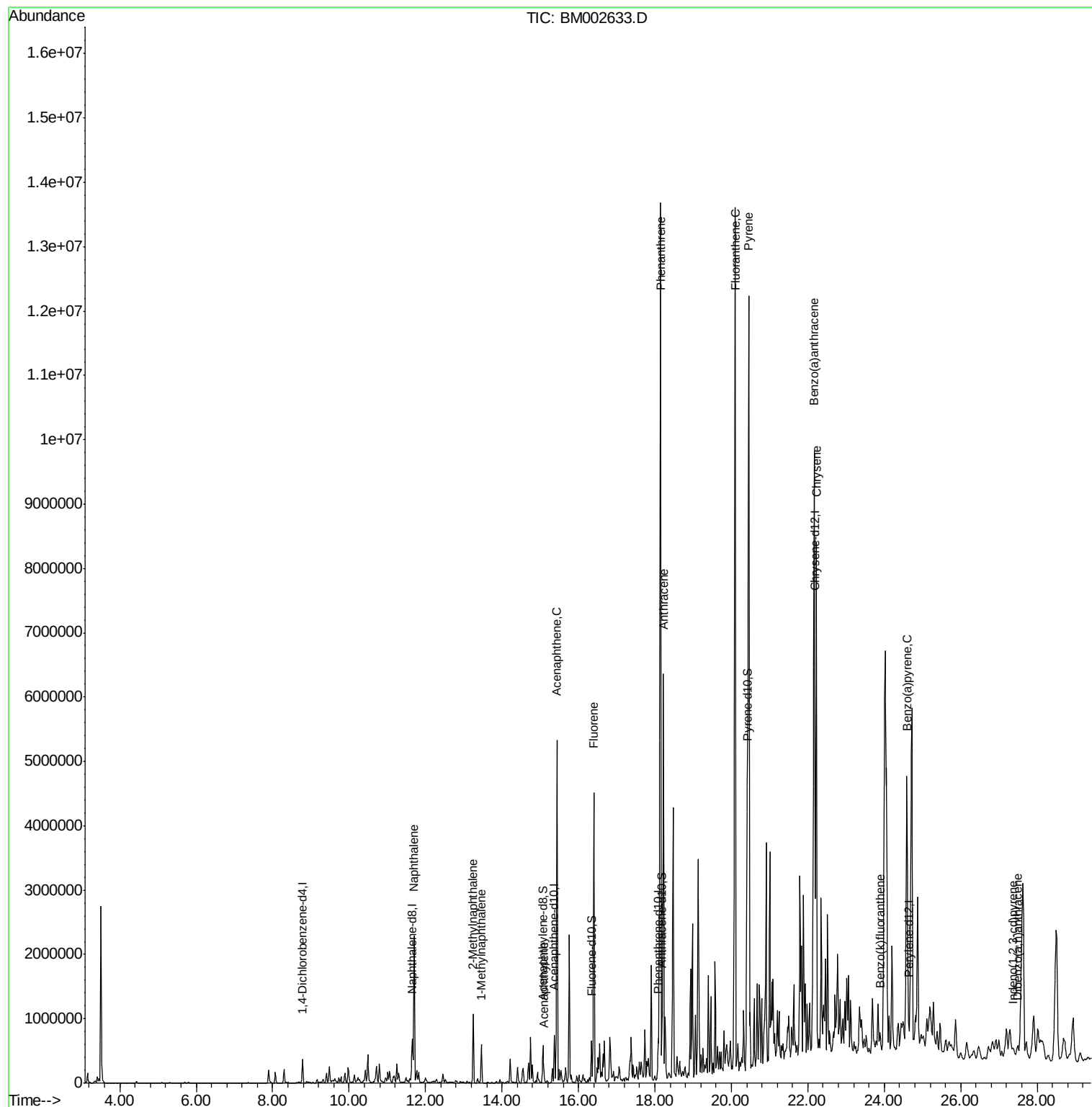
						Qvalue
3) Naphthalene	11.70	128	2156192	82.85	ng/ul	99
4) 2-Methylnaphthalene	13.25	142	555718	28.50	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	293055	15.20	ng/ul	99
8) Acenaphthylene	15.10	152	80275	2.85	ng/ul	98
9) Acenaphthene	15.44	153	2341962	126.37	ng/ul	99
11) Fluorene	16.40	166	2199949	103.60	ng/ul	99
13) Phenanthrene	18.15	178	11995459	468.14	ng/ul	94
15) Anthracene	18.23	178	4057634	156.25	ng/ul	99
16) Fluoranthene	20.10	202	11520781	397.13	ng/ul#	91
19) Pyrene	20.46	202	9897165	510.24	ng/ul#	91
20) Benzo(a)anthracene	22.16	228	5778538	291.84	ng/ul	96
21) Chrysene	22.23	228	5207837	281.21	ng/ul	95
24) Benzo(k)fluoranthene	23.90	252	52774	3.18	ng/ul#	1
26) Benzo(a)pyrene	24.59	252	3659418	219.03	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	27.38	276	76892	4.00	ng/ul#	69
28) Dibenzo(a,h)anthracene	27.49	278	134778	8.39	ng/ul	94

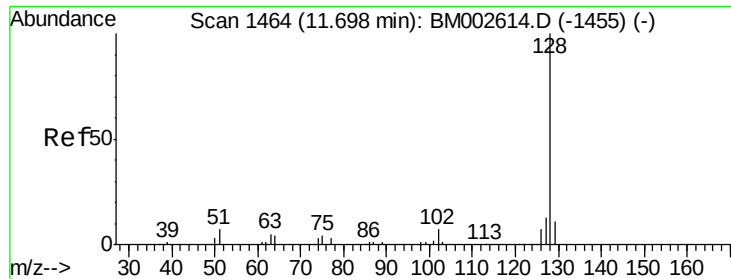
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 82.85 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

Instrument :

BNA_M

ClientSampleId :

D9EA6

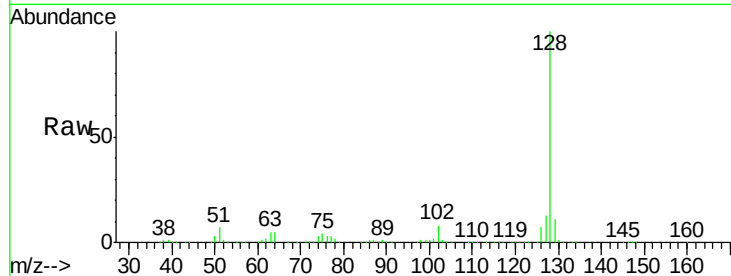
Tgt Ion:128 Resp: 2156192

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

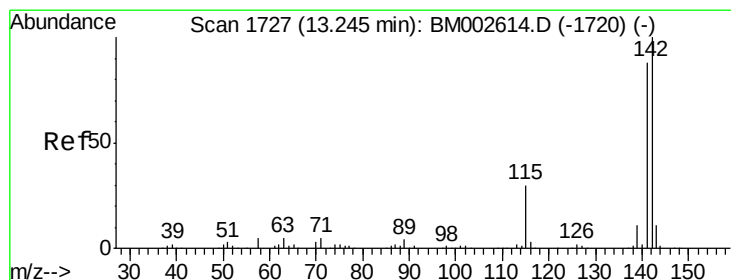
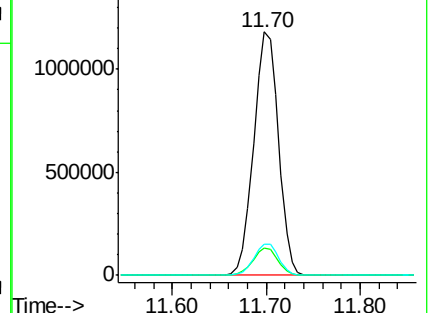
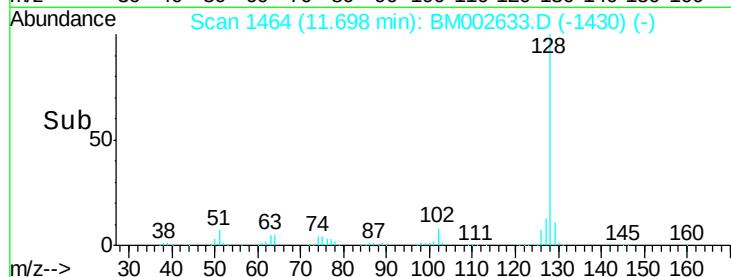
127 13.0 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 28.50 ng/ul

RT: 13.25 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BM002633.D

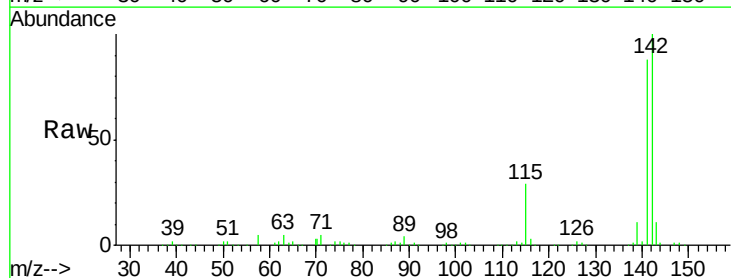
Acq: 01 Sep 2015 17:56

Tgt Ion:142 Resp: 555718

Ion Ratio Lower Upper

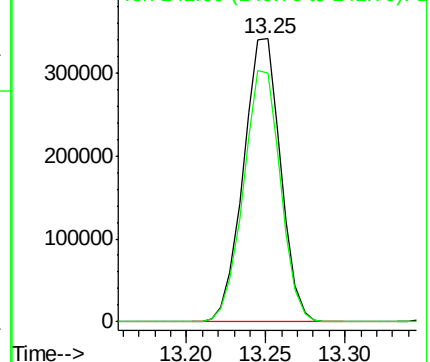
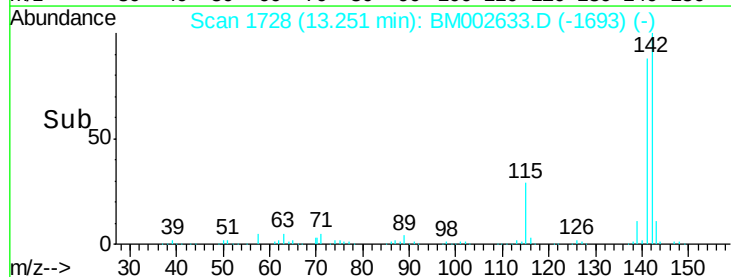
142 100

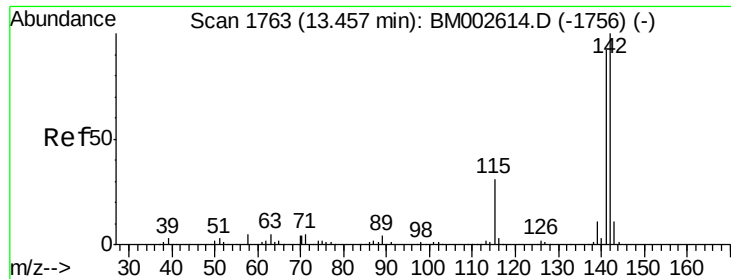
141 87.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 15.20 ng/ul

RT: 13.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

Instrument :

BNA_M

ClientSampleId :

D9EA6

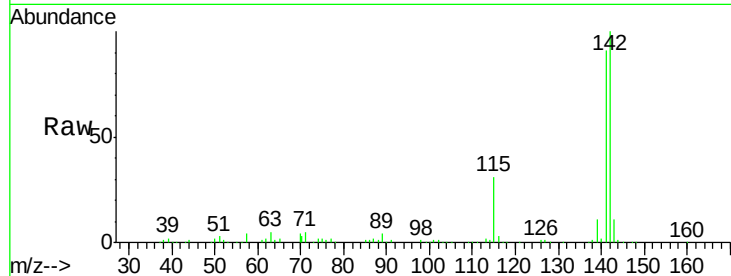
Tgt Ion:142 Resp: 293055

Ion Ratio Lower Upper

142 100

141 91.4 73.9 110.9

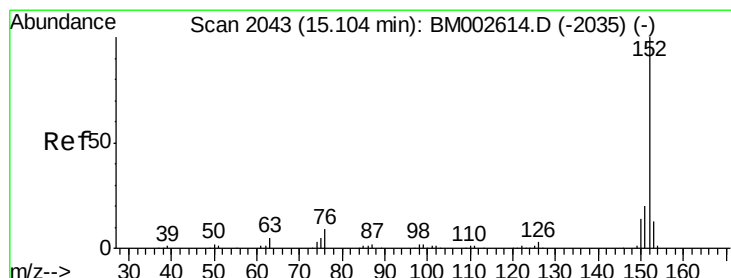
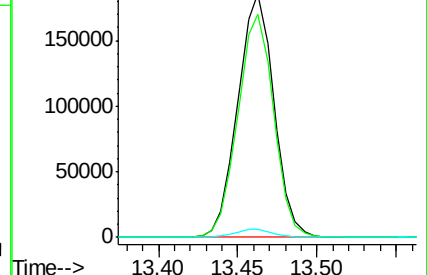
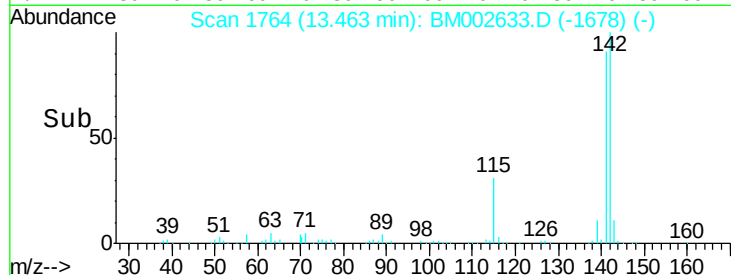
116 3.3 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 2.85 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

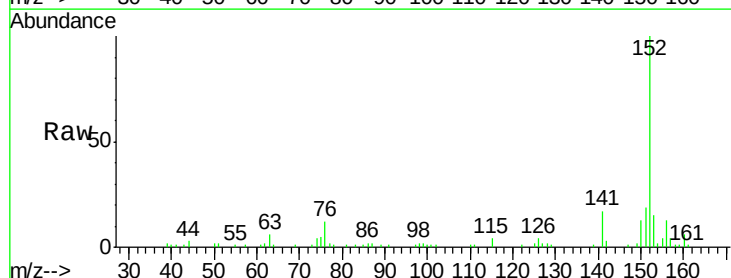
Tgt Ion:152 Resp: 80275

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

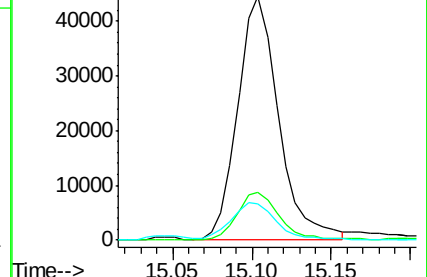
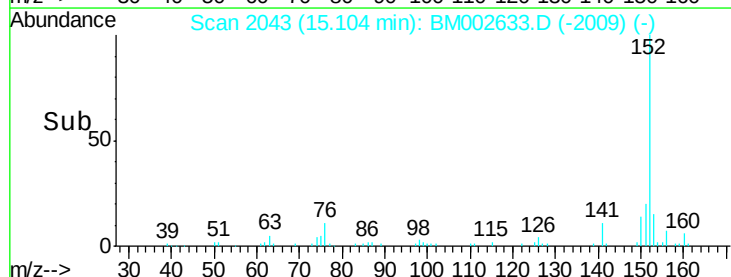
153 14.7 10.2 15.4

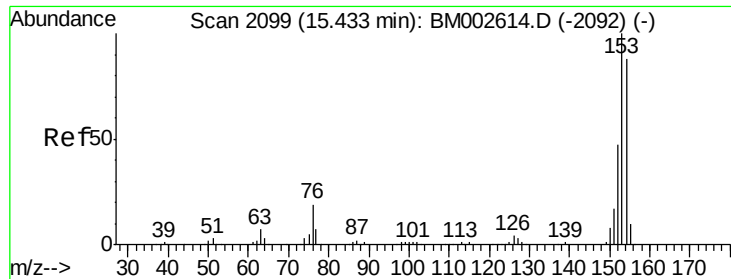


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 126.37 ng/ul

RT: 15.44 min Scan# 2100

Delta R.T. 0.01 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

Instrument :

BNA_M

ClientSampleId :

D9EA6

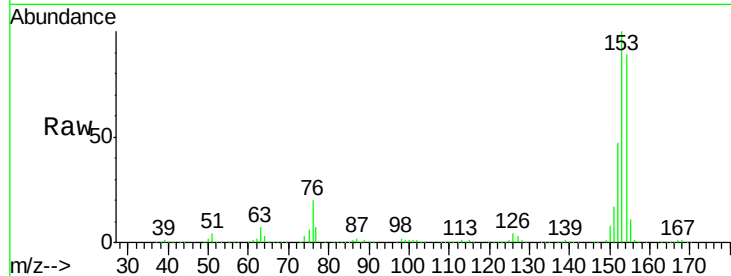
Tgt Ion:153 Resp: 2341962

Ion Ratio Lower Upper

153 100

152 47.0 36.9 55.3

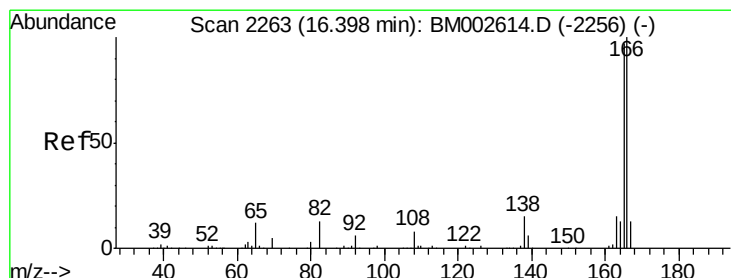
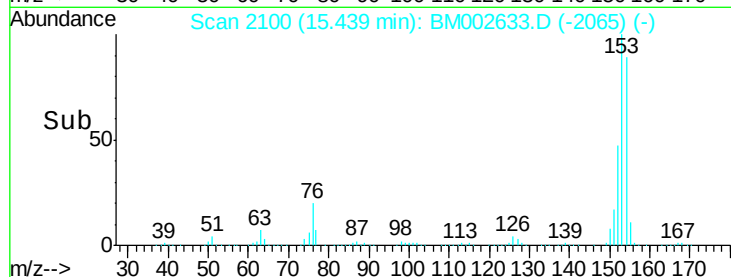
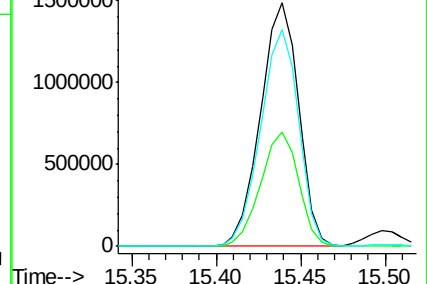
154 88.8 71.3 106.9



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



#11

Fluorene

Concen: 103.60 ng/ul

RT: 16.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

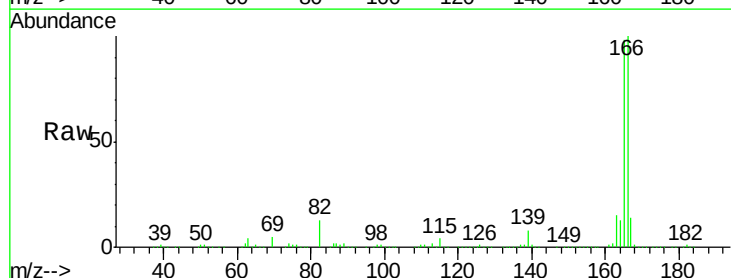
Tgt Ion:166 Resp: 2199949

Ion Ratio Lower Upper

166 100

165 97.7 77.6 116.4

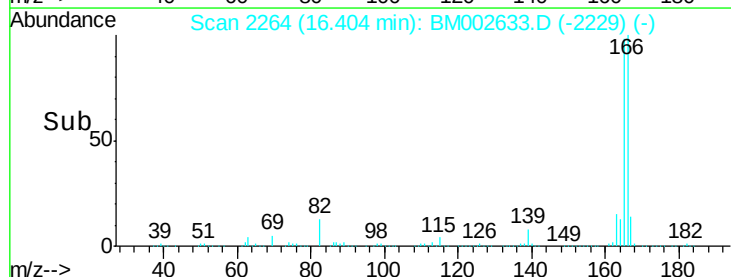
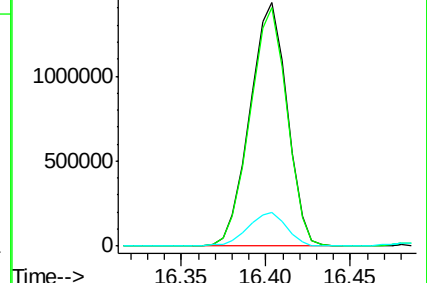
167 13.8 10.7 16.1

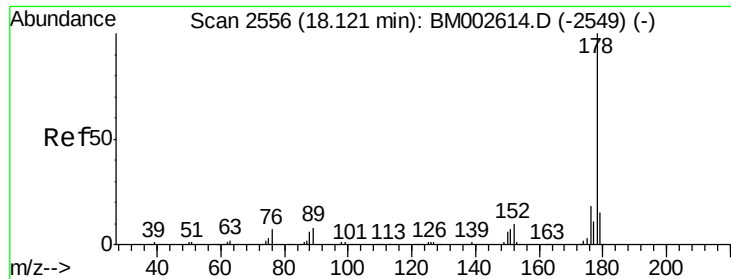


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

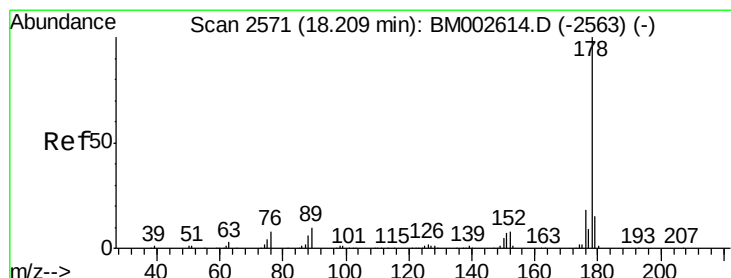
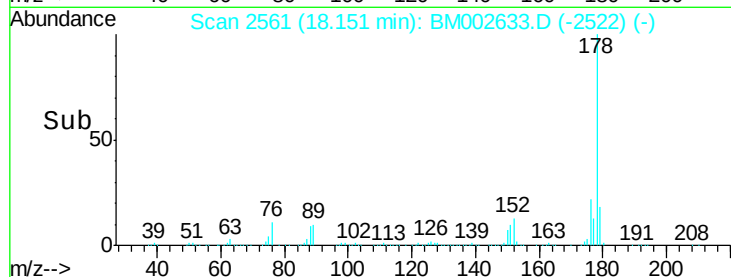
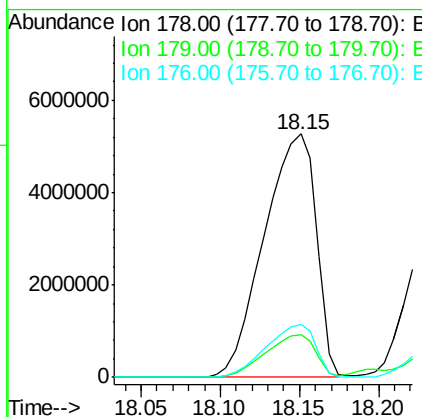
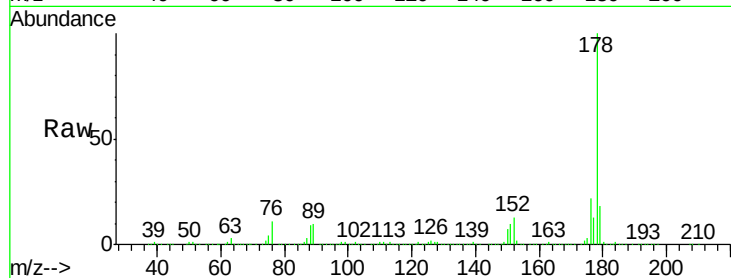




#13
Phenanthrene
Concen: 468.14 ng/ul
RT: 18.15 min Scan# 2561
Delta R.T. 0.03 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

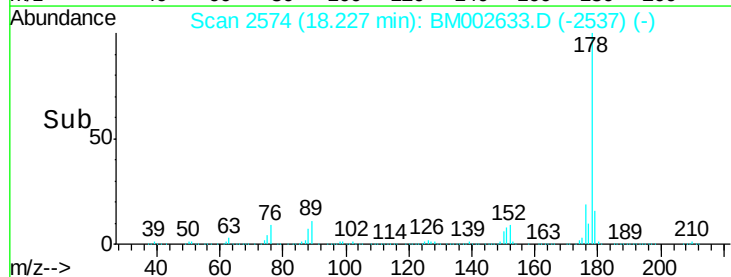
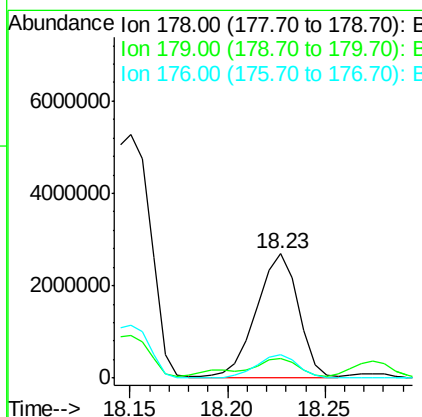
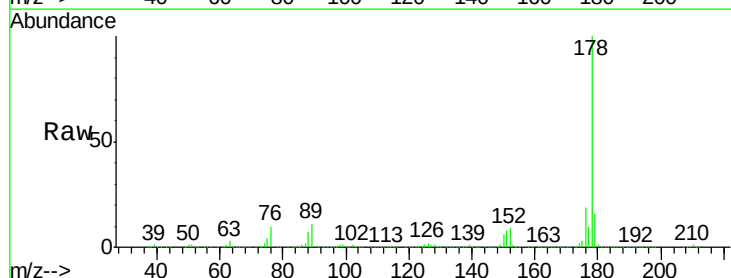
Instrument :
BNA_M
ClientSampleId :
D9EA6

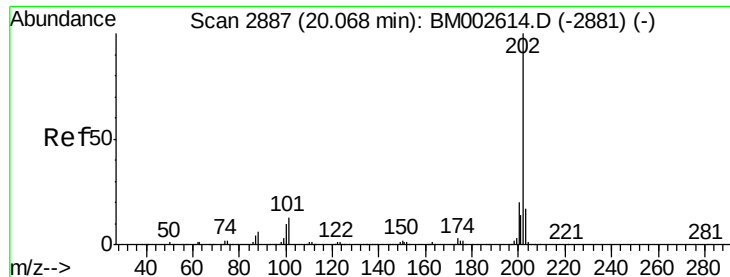
Tgt Ion:178 Resp:11995459
Ion Ratio Lower Upper
178 100
179 17.5 12.4 18.6
176 21.9 15.1 22.7



#15
Anthracene
Concen: 156.25 ng/ul
RT: 18.23 min Scan# 2574
Delta R.T. 0.02 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Tgt Ion:178 Resp: 4057634
Ion Ratio Lower Upper
178 100
179 16.1 12.6 18.8
176 18.9 14.5 21.7





#16

Fluoranthene

Concen: 397.13 ng/ul

RT: 20.10 min Scan# 2893

Delta R.T. 0.04 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

Instrument :

BNA_M

ClientSampleId :

D9EA6

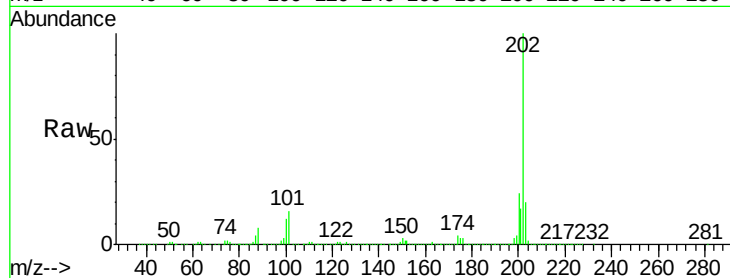
Tgt Ion:202 Resp:11520781

Ion Ratio Lower Upper

202 100

101 15.6 9.7 14.5#

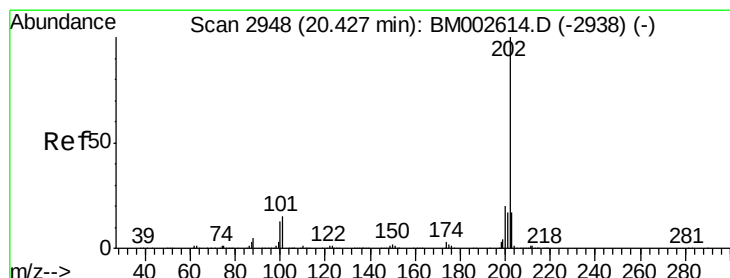
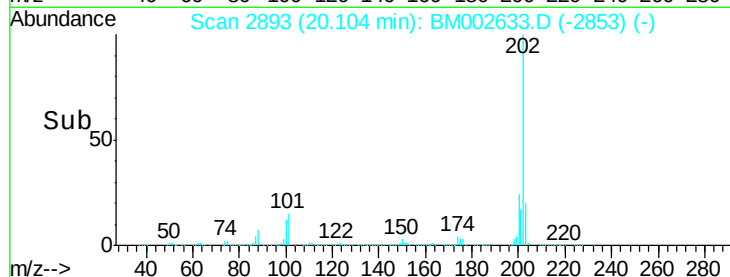
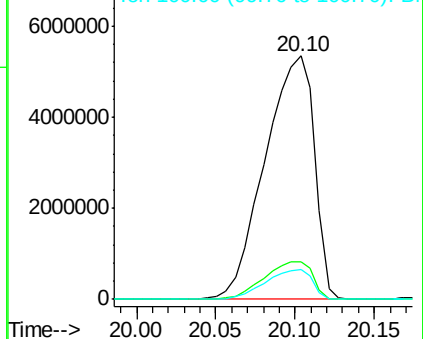
100 12.1 7.4 11.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#19

Pyrene

Concen: 510.24 ng/ul

RT: 20.46 min Scan# 2953

Delta R.T. 0.03 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

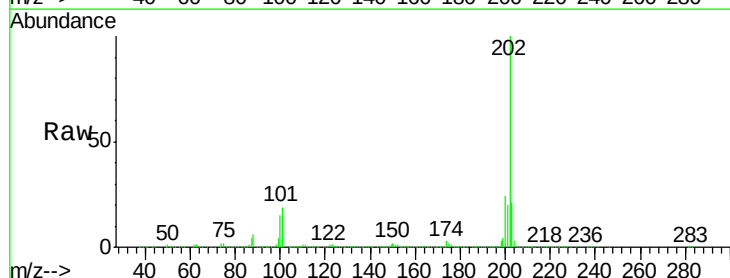
Tgt Ion:202 Resp: 9897165

Ion Ratio Lower Upper

202 100

101 19.1 12.0 18.0#

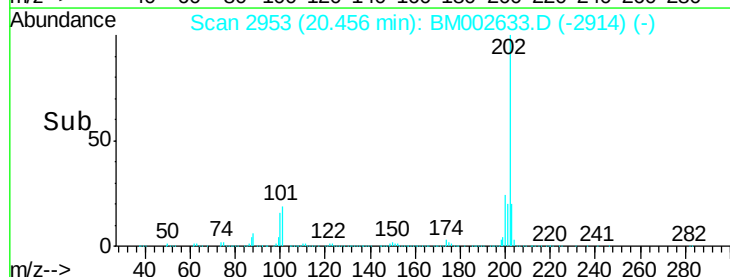
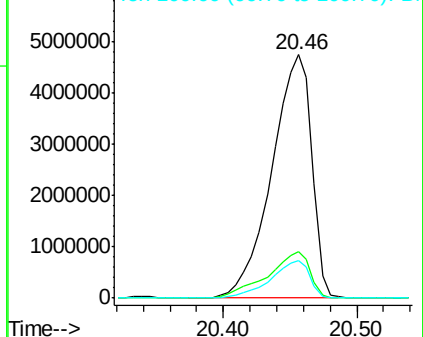
100 15.5 9.7 14.5#

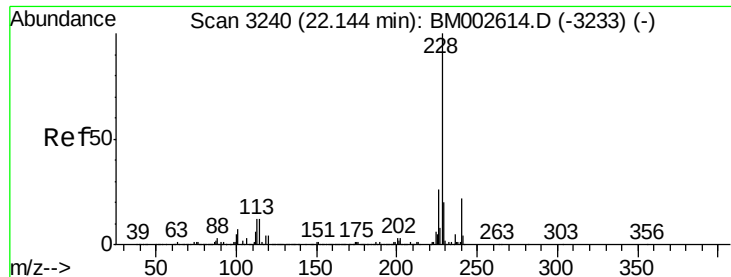


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 291.84 ng/ul

RT: 22.16 min Scan# 3243

Delta R.T. 0.02 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

Instrument :

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ClientSampleId :

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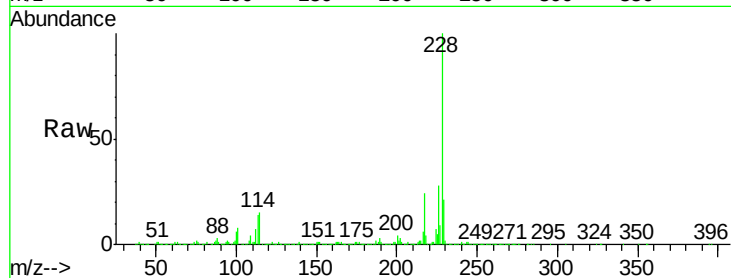
Tgt Ion:228 Resp: 5778538

Ion Ratio Lower Upper

228 100

229 21.4 15.8 23.6

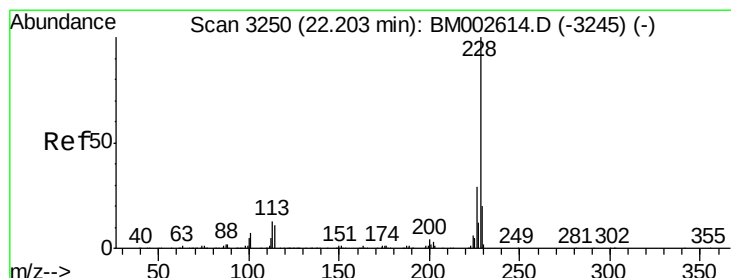
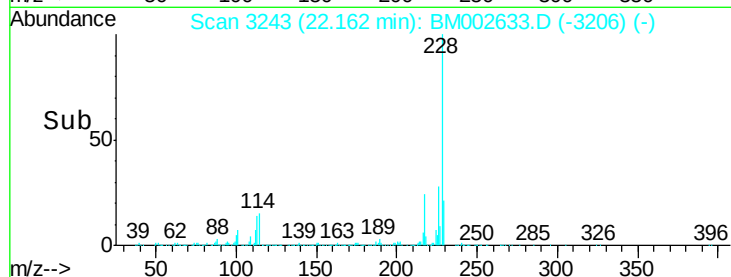
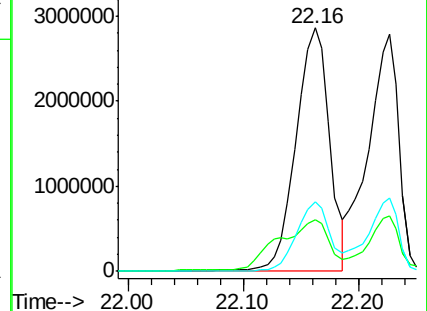
226 28.3 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 281.21 ng/ul

RT: 22.23 min Scan# 3254

Delta R.T. 0.02 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

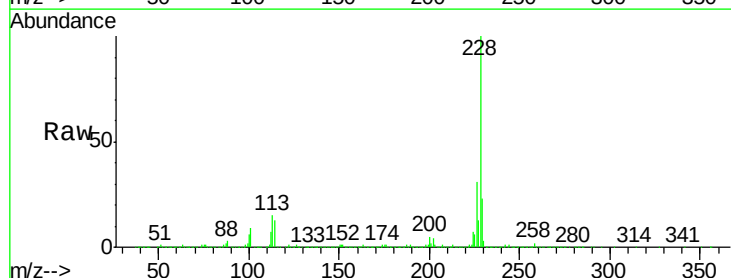
Tgt Ion:228 Resp: 5207837

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

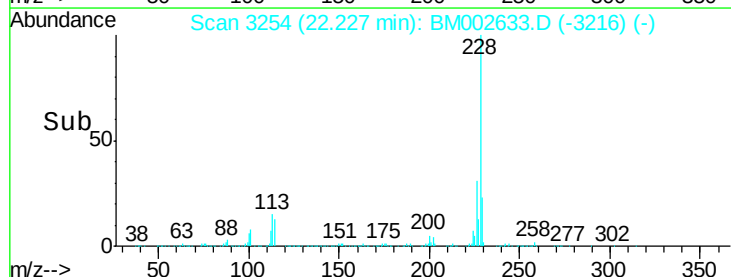
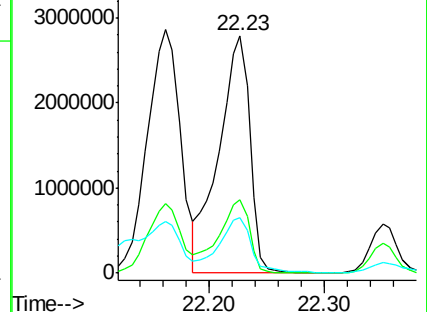
229 23.4 15.7 23.5

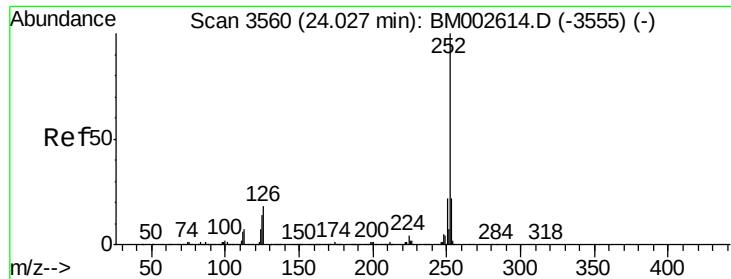


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(k)fluoranthene

Concen: 3.18 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. -0.13 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

Instrument :

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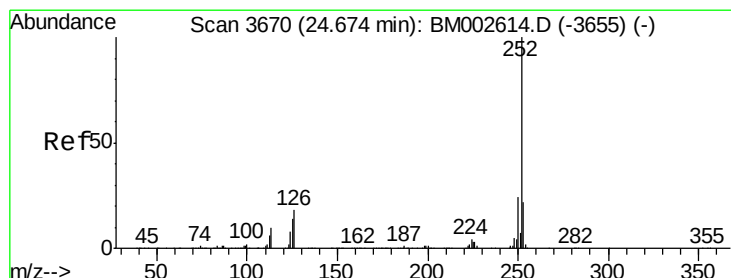
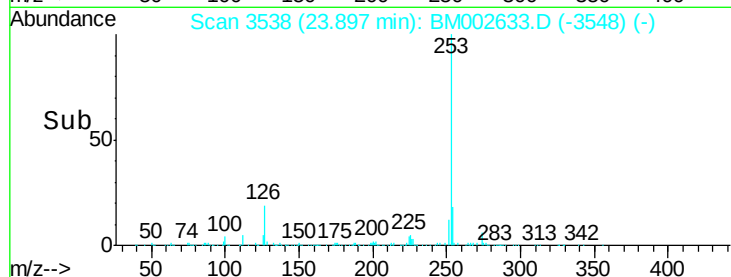
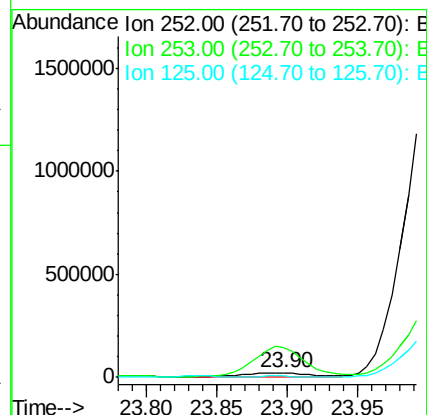
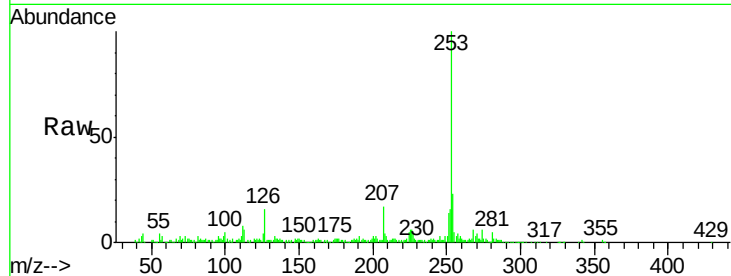
Tgt Ion:252 Resp: 52774

Ion Ratio Lower Upper

252 100

253 628.7 17.8 26.6#

125 25.5 9.8 14.8#



#26

Benzo(a)pyrene

Concen: 219.03 ng/ul

RT: 24.59 min Scan# 3656

Delta R.T. -0.08 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

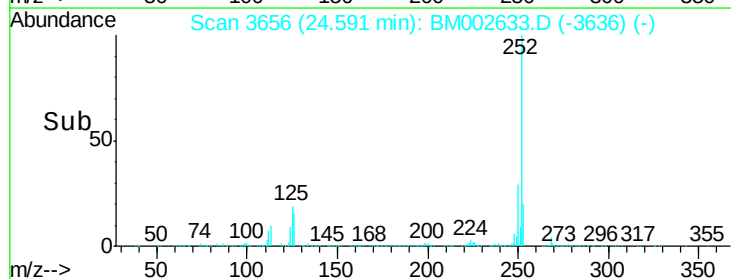
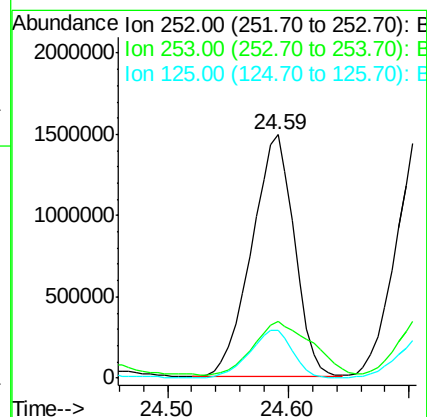
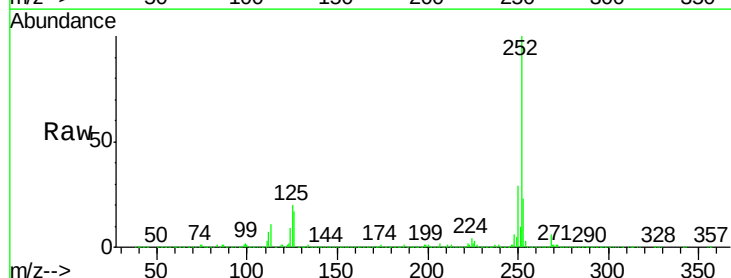
Tgt Ion:252 Resp: 3659418

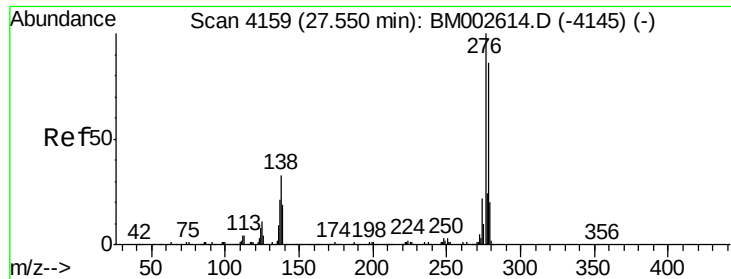
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 19.8 10.7 16.1#

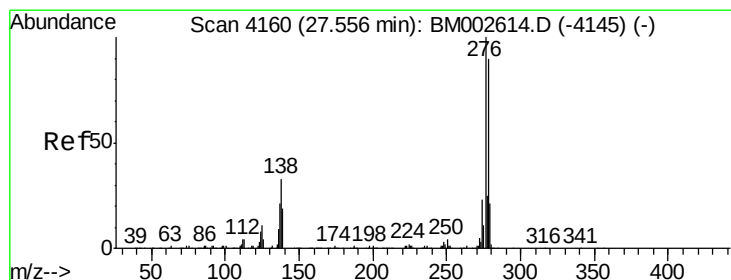
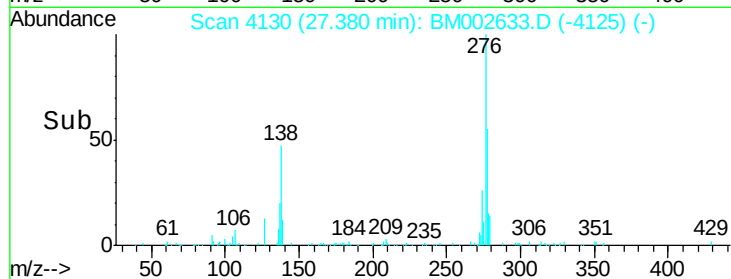
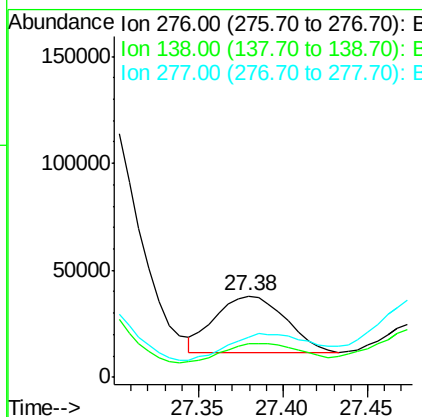
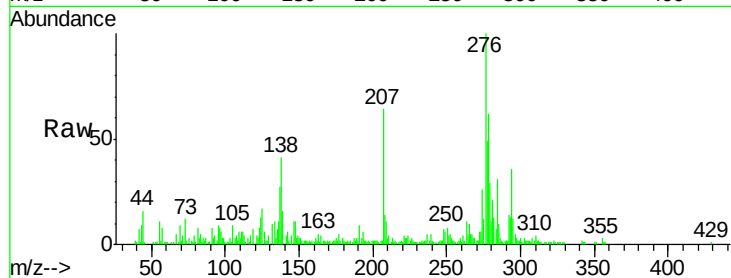




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.00 ng/ul
 RT: 27.38 min Scan# 4130
 Delta R.T. -0.17 min
 Lab File: BM002633.D
 Acq: 01 Sep 2015 17:56

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6

Tgt Ion: 276 Resp: 76892
 Ion Ratio Lower Upper
 276 100
 138 41.0 25.3 37.9#
 277 49.4 20.2 30.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 8.39 ng/ul
 RT: 27.49 min Scan# 4149
 Delta R.T. -0.06 min
 Lab File: BM002633.D
 Acq: 01 Sep 2015 17:56

Tgt Ion: 278 Resp: 134778
 Ion Ratio Lower Upper
 278 100
 139 19.6 16.5 24.7
 279 27.7 18.8 28.2

