

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092815\
 Data File : BM002733.D
 Acq On : 28 Sep 2015 14:11
 Operator : UM/IZ
 Sample : G3798-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G66

Quant Time: Sep 29 00:33:29 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 00:32:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10126	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	39201	0.40	ng/ul	0.01
8) Acenaphthene-d10	15.33	164	21065	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	43979	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	43518	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	44471	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.80	96	11522	1.10	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	4653	0.08	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	10228	0.09	ng/ul	0.01

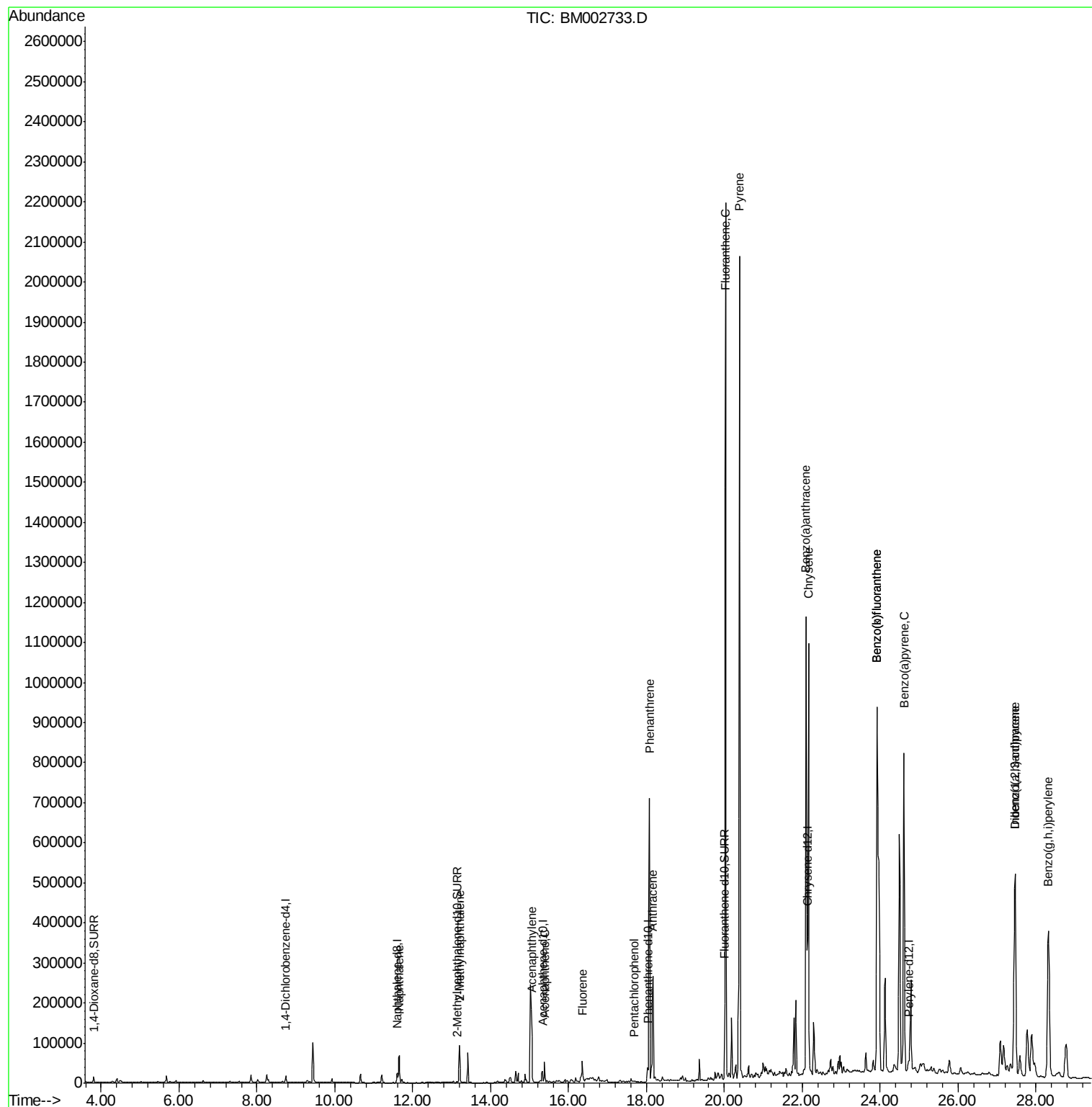
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.65	128	108083	1.02	ng/ul	97
7) 2-Methylnaphthalene	13.20	142	75654	1.11	ng/ul	99
9) Acenaphthylene	15.06	152	159381	1.47	ng/ul	95
10) Acenaphthene	15.38	153	31534	0.40	ng/ul	93
11) Fluorene	16.36	166	44032	0.49	ng/ul#	87
13) Pentachlorophenol	17.69	266	616	0.07	ng/ul	92
14) Phenanthrene	18.08	178	829517	5.80	ng/ul	96
15) Anthracene	18.17	178	348821	2.64	ng/ul	95
17) Fluoranthene	20.04	202	2115191	13.59	ng/ul	93
19) Pyrene	20.39	202	2015124	11.88	ng/ul	99
20) Benzo(a)anthracene	22.10	228	1330749	9.15	ng/ul	99
21) Chrysene	22.16	228	1143034	8.21	ng/ul	95
23) Benzo(b)fluoranthene	23.92	252	2428268	15.15	ng/ul	96
24) Benzo(k)fluoranthene	23.92	252	2428268	16.35	ng/ul	94
25) Benzo(a)pyrene	24.61	252	1288562	8.73	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	27.46	276	916638	5.57	ng/ul	95
27) Dibenzo(a,h)anthracene	27.46	278	235584	1.74	ng/ul	98
28) Benzo(g,h,i)perylene	28.32	276	846386	6.06	ng/ul	97

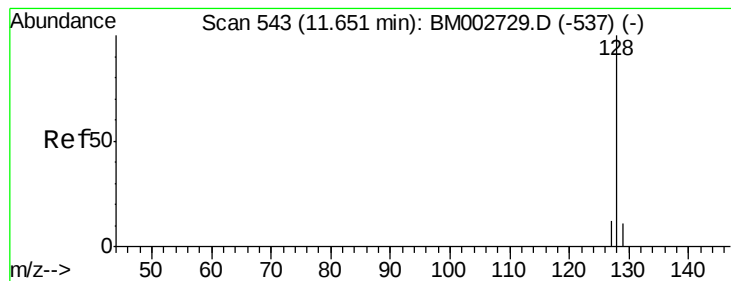
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.02 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

Instrument :

BNA_M

ClientSampleId :

D9G66

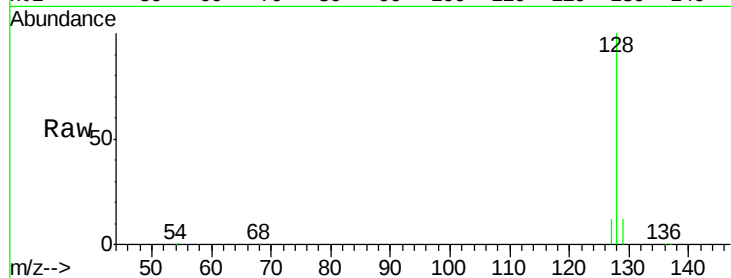
Tgt Ion:128 Resp: 108083

Ion Ratio Lower Upper

128 100

129 11.7 9.8 14.8

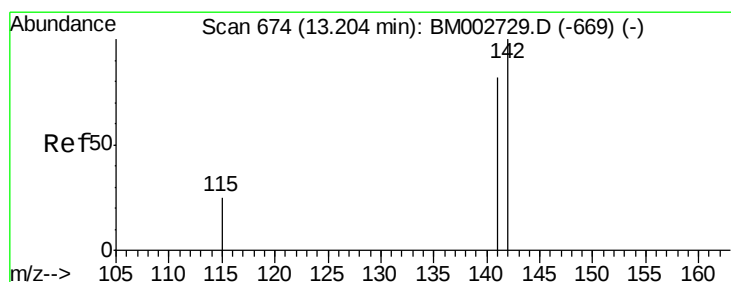
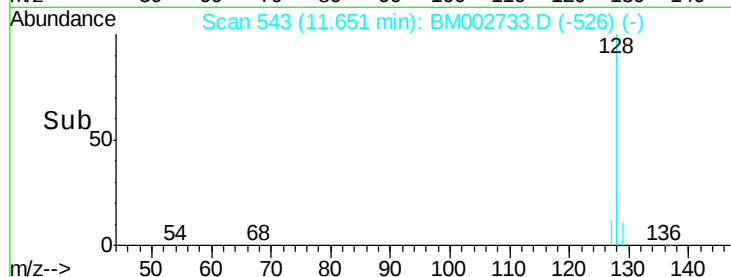
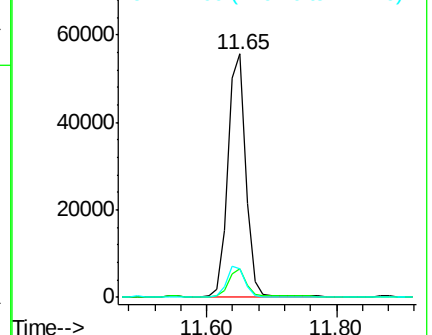
127 11.9 10.7 16.1



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



#7

2-Methylnaphthalene

Concen: 1.11 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002733.D

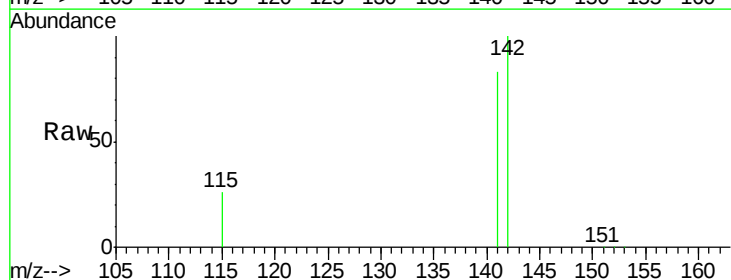
Acq: 28 Sep 2015 14:11

Tgt Ion:142 Resp: 75654

Ion Ratio Lower Upper

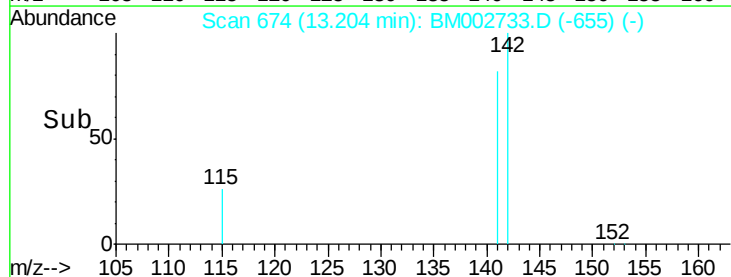
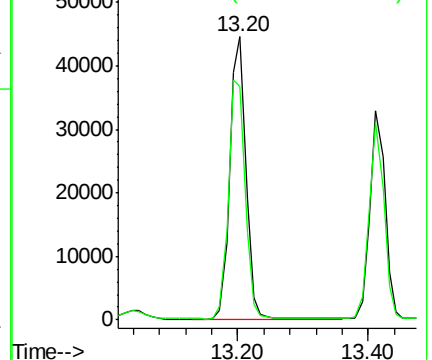
142 100

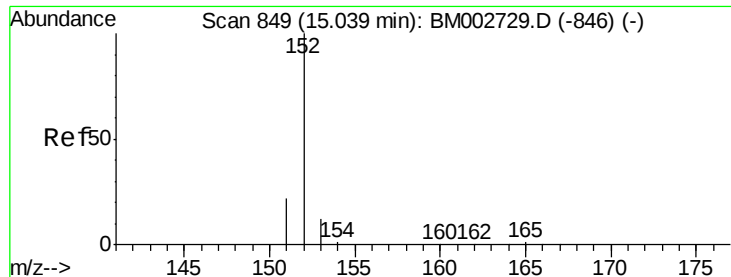
141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 1.47 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.02 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

Instrument :

BNA_M

ClientSampleId :

D9G66

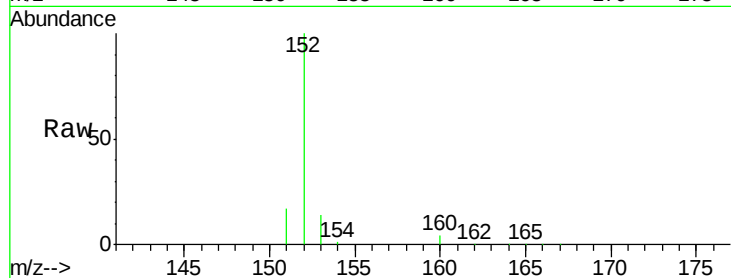
Tgt Ion:152 Resp: 159381

Ion Ratio Lower Upper

152 100

151 17.0 16.8 25.2

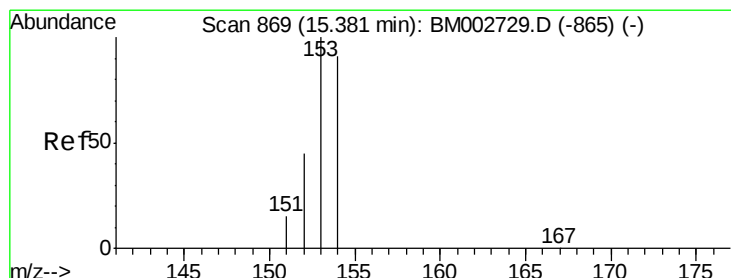
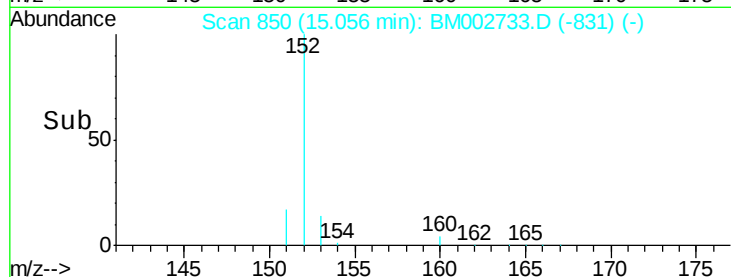
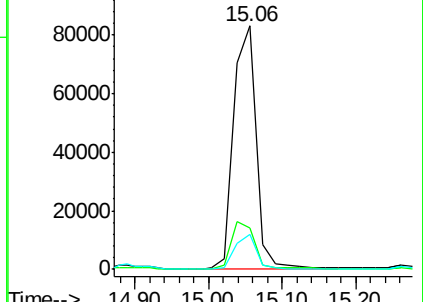
153 14.4 11.3 16.9



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



#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

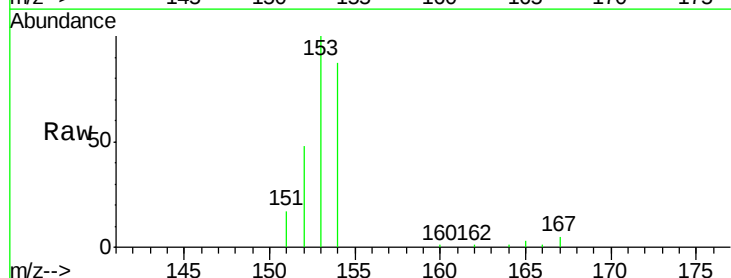
Tgt Ion:153 Resp: 31534

Ion Ratio Lower Upper

153 100

152 47.6 42.3 63.5

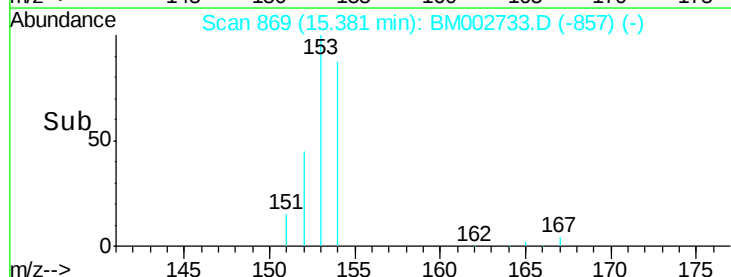
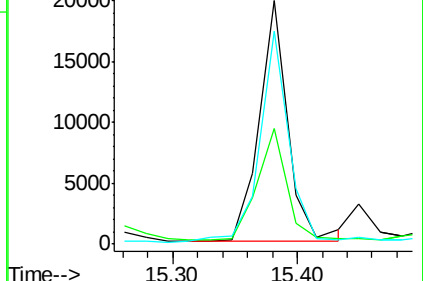
154 87.3 64.7 97.1

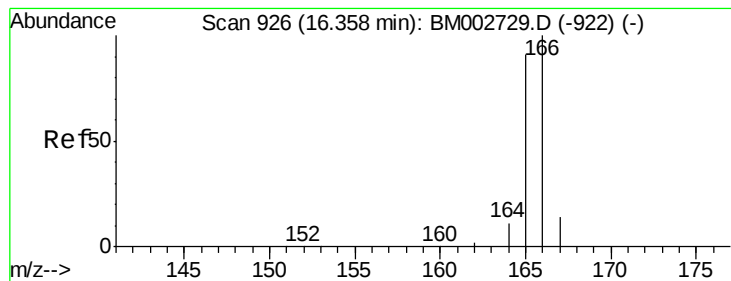


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.49 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

Instrument :

BNA_M

ClientSampleId :

D9G66

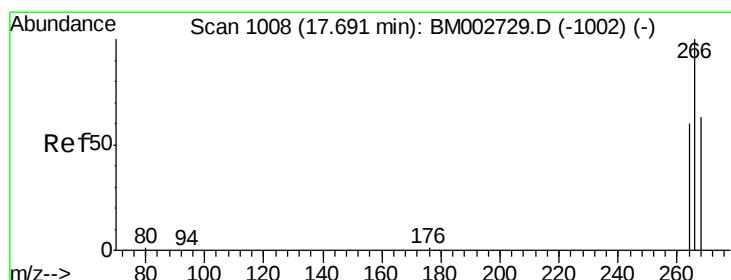
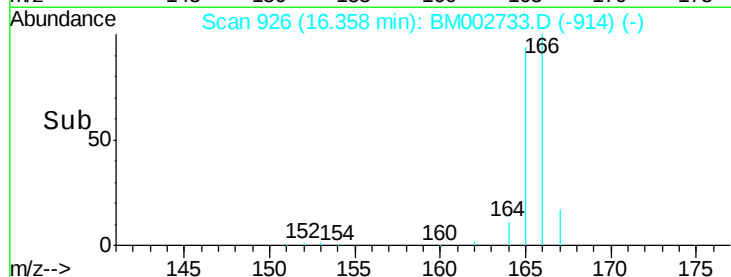
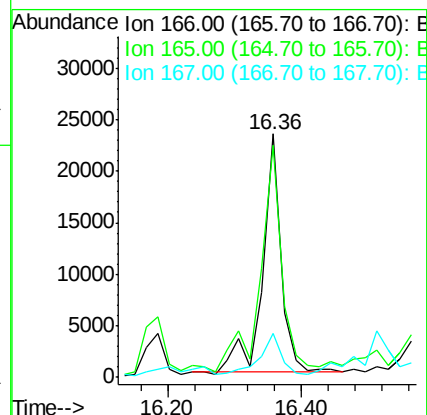
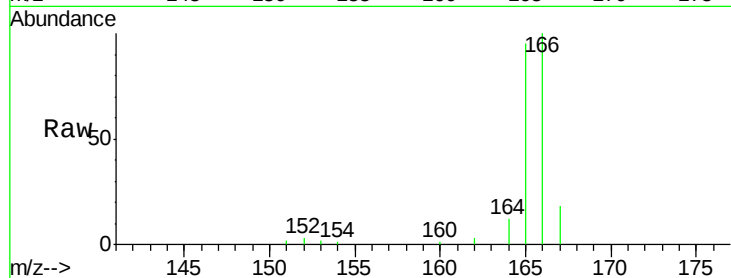
Tgt Ion:166 Resp: 44032

Ion Ratio Lower Upper

166 100

165 95.4 87.6 131.4

167 18.1 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 17.69 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

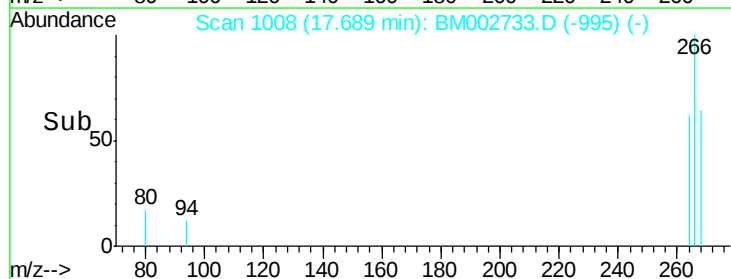
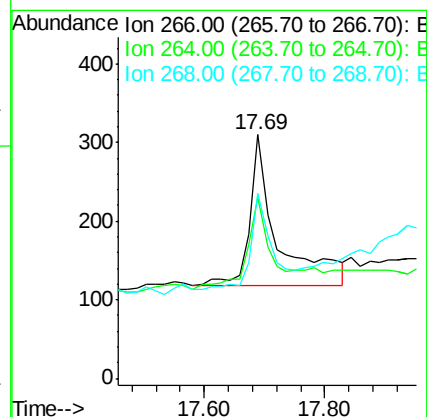
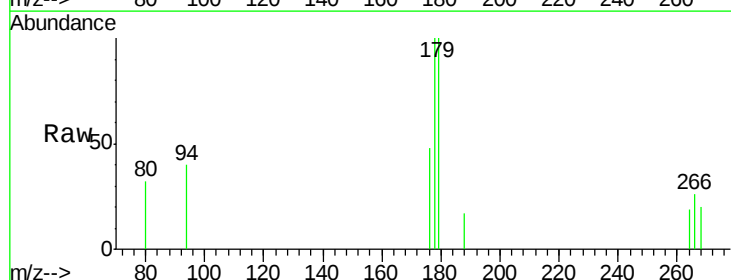
Tgt Ion:266 Resp: 616

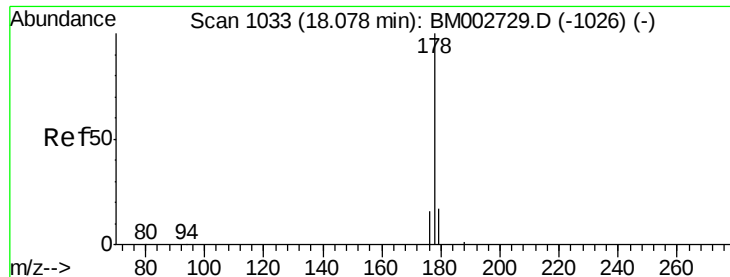
Ion Ratio Lower Upper

266 100

264 68.3 53.5 80.3

268 56.5 54.2 81.2





#14

Phenanthrene

Concen: 5.80 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

Instrument :

BNA_M

ClientSampleId :

D9G66

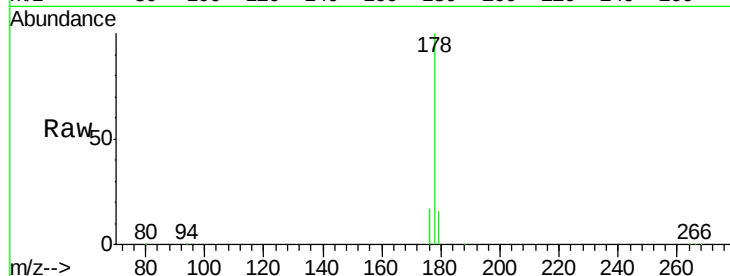
Tgt Ion:178 Resp: 829517

Ion Ratio Lower Upper

178 100

176 17.1 16.2 24.4

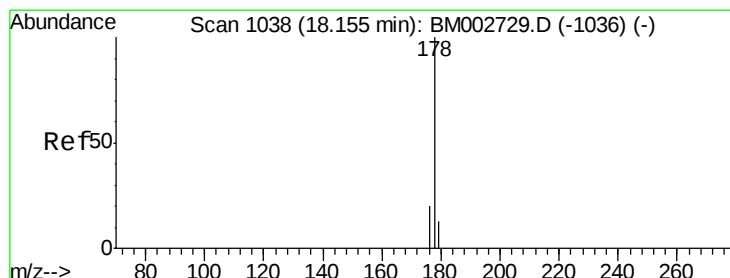
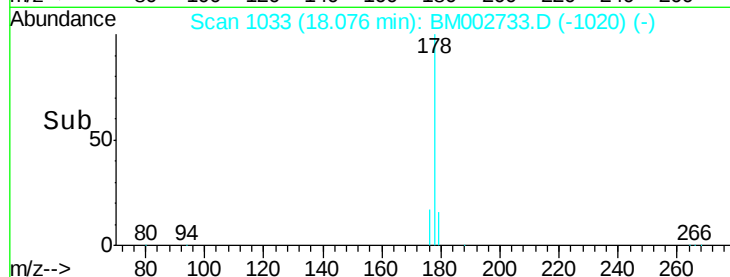
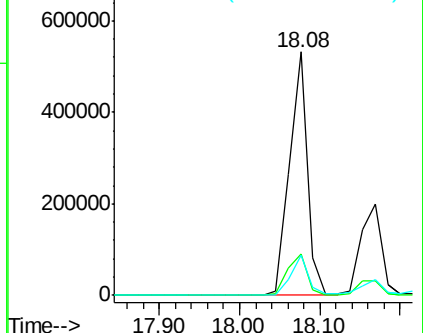
179 16.3 12.8 19.2



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

Anthracene

Concen: 2.64 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

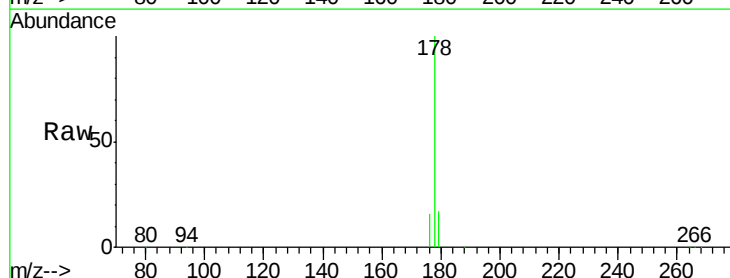
Tgt Ion:178 Resp: 348821

Ion Ratio Lower Upper

178 100

176 16.2 15.8 23.8

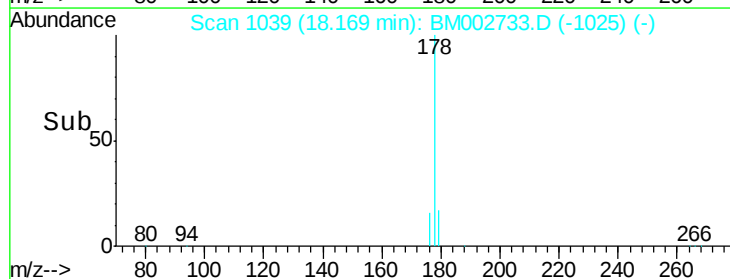
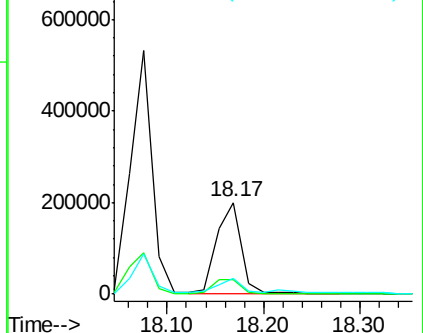
179 17.0 13.3 19.9

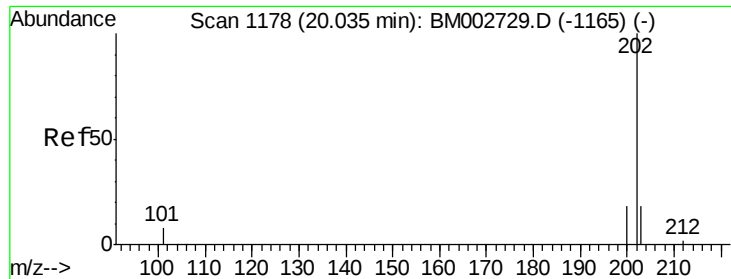


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

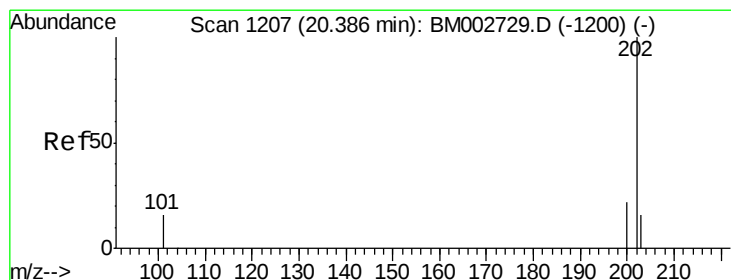
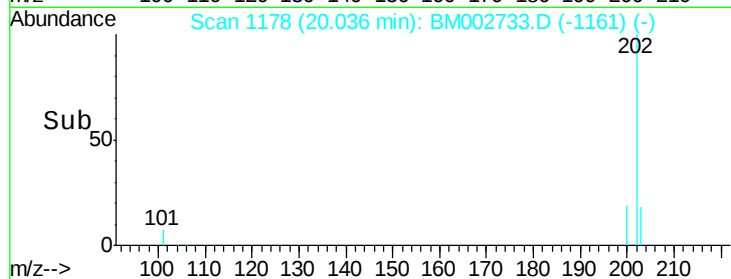
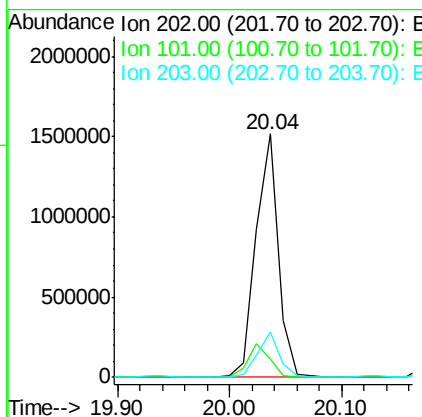
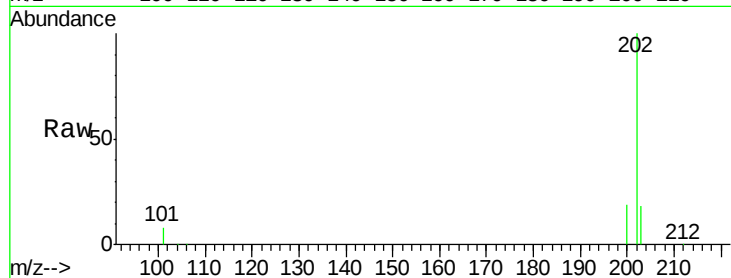




#17
Fluoranthene
 Concen: 13.59 ng/ul
 RT: 20.04 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BM002733.D
 Acq: 28 Sep 2015 14:11

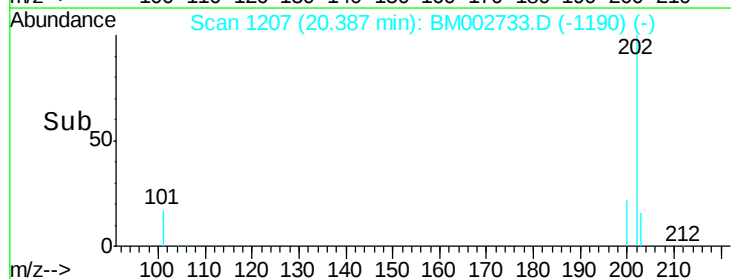
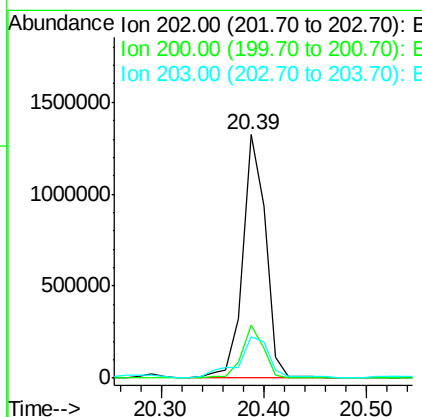
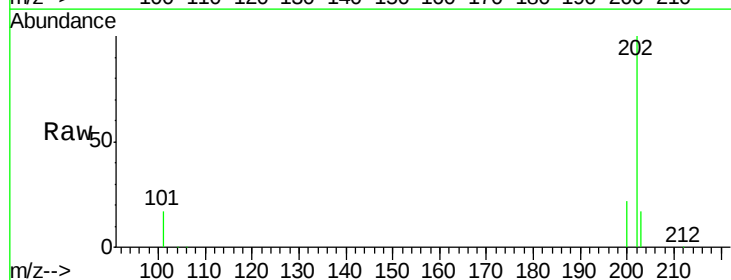
Instrument :
 BNA_M
 ClientSampleId :
 D9G66

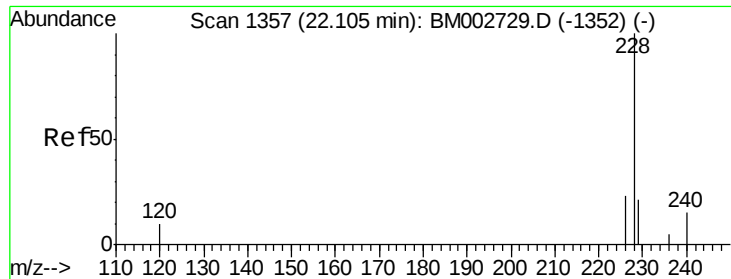
Tgt Ion:202 Resp: 2115191
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 33.1
 203 18.4 0.0 37.2



#19
Pyrene
 Concen: 11.88 ng/ul
 RT: 20.39 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BM002733.D
 Acq: 28 Sep 2015 14:11

Tgt Ion:202 Resp: 2015124
 Ion Ratio Lower Upper
 202 100
 200 21.9 18.0 27.0
 203 16.8 13.8 20.6





#20

Benzo(a)anthracene

Concen: 9.15 ng/ul

RT: 22.10 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

Instrument :

BNA_M

ClientSampleId :

D9G66

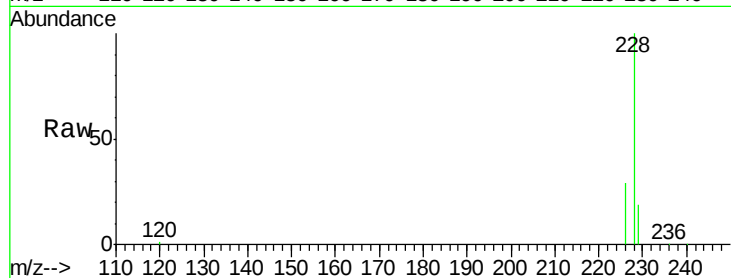
Tgt Ion:228 Resp: 1330749

Ion Ratio Lower Upper

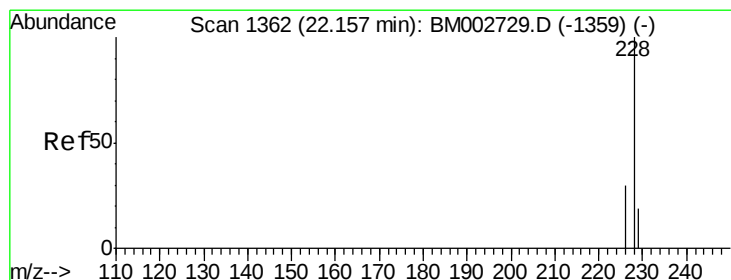
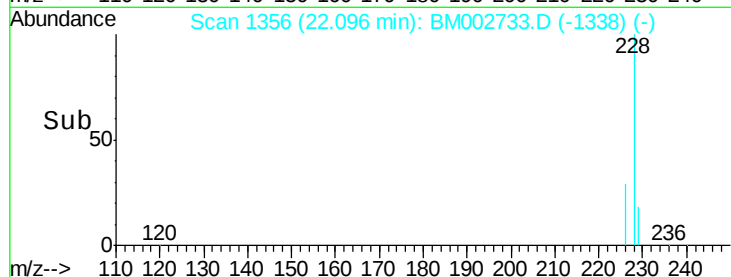
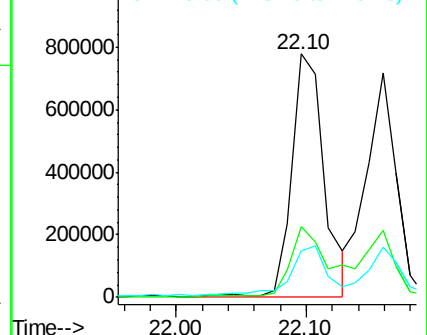
228 100

226 29.1 23.0 34.4

229 19.1 15.2 22.8



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

Chrysene

Concen: 8.21 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

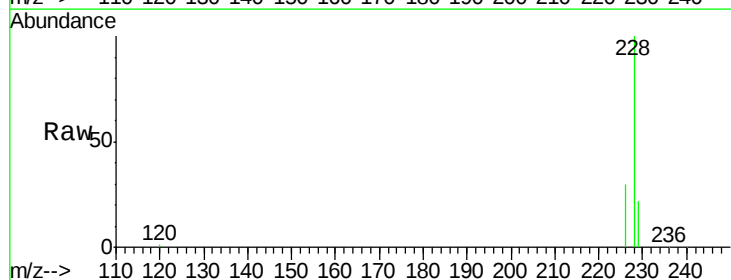
Tgt Ion:228 Resp: 1143034

Ion Ratio Lower Upper

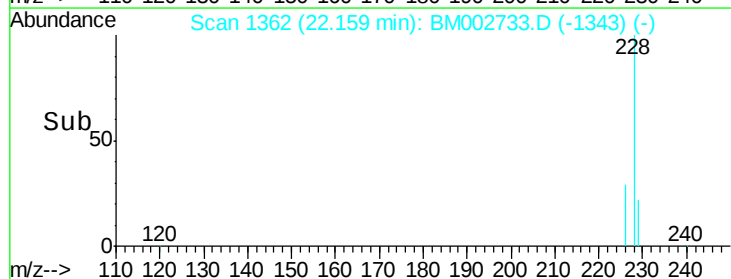
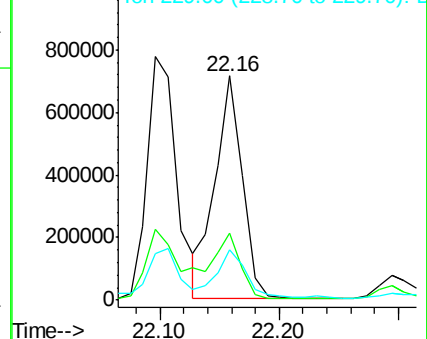
228 100

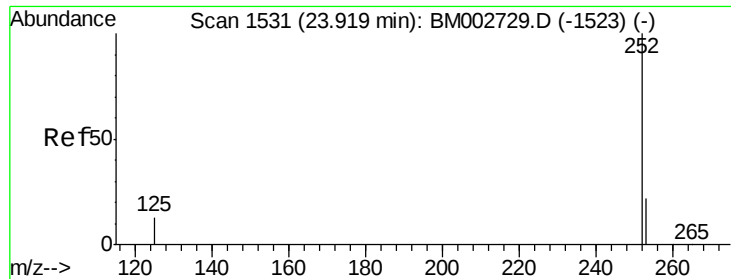
226 29.7 25.7 38.5

229 22.3 15.2 22.8



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





#23

Benzo(b)fluoranthene

Concen: 15.15 ng/u1

RT: 23.92 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

Instrument :

BNA_M

ClientSampleId :

D9G66

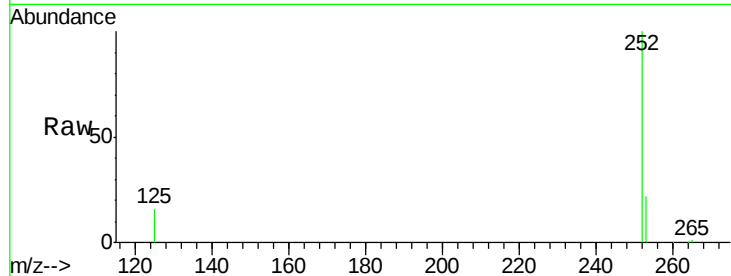
Tgt Ion:252 Resp: 2428268

Ion Ratio Lower Upper

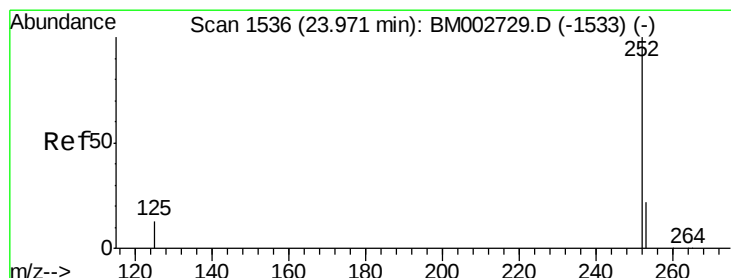
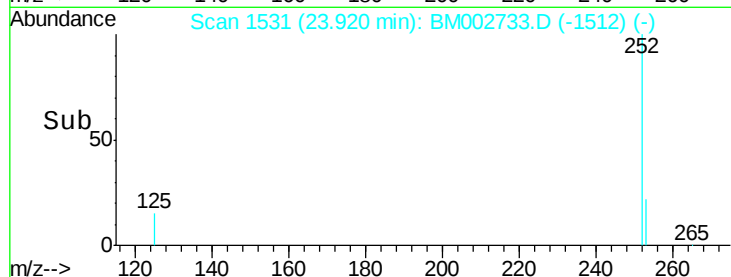
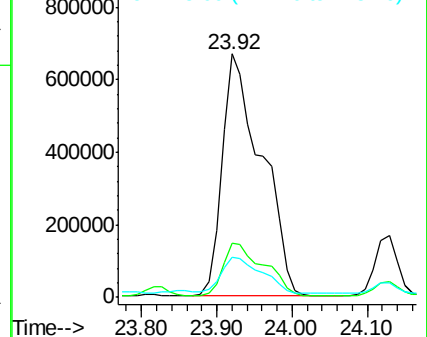
252 100

253 22.2 0.0 48.0

125 16.4 0.0 36.6



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

Benzo(k)fluoranthene

Concen: 16.35 ng/u1

RT: 23.92 min Scan# 1531

Delta R.T. -0.05 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

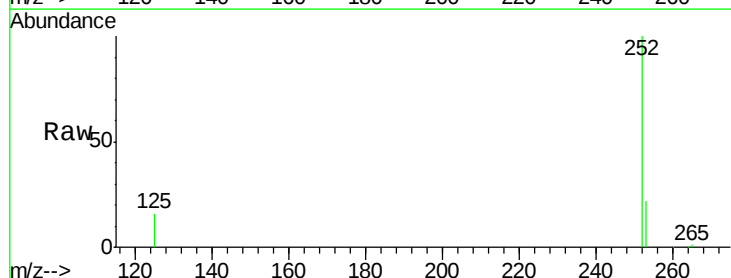
Tgt Ion:252 Resp: 2428268

Ion Ratio Lower Upper

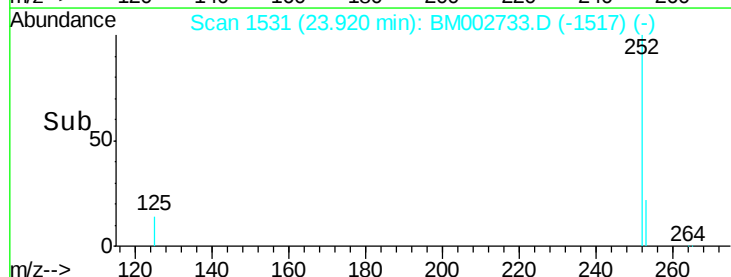
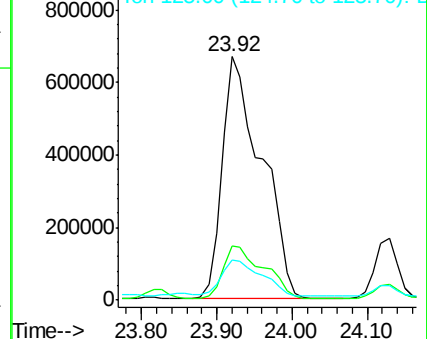
252 100

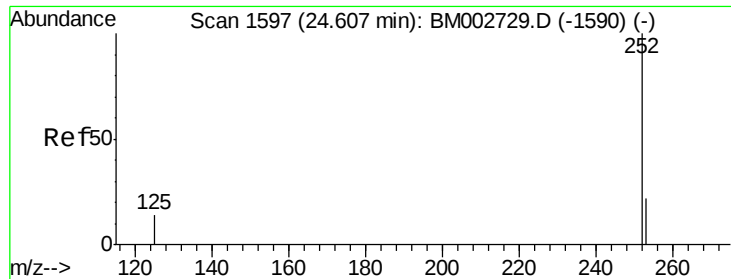
253 22.2 20.8 31.2

125 16.4 12.2 18.4



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





#25

Benzo(a)pyrene

Concen: 8.73 ng/ul

RT: 24.61 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

Instrument :

BNA_M

ClientSampleId :

D9G66

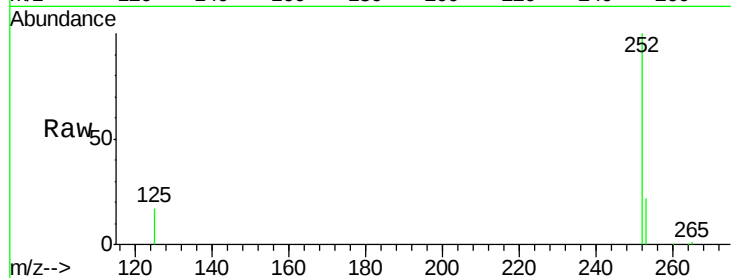
Tgt Ion:252 Resp: 1288562

Ion Ratio Lower Upper

252 100

253 21.9 21.8 32.8

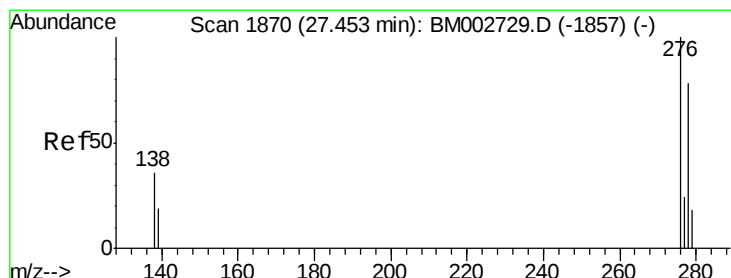
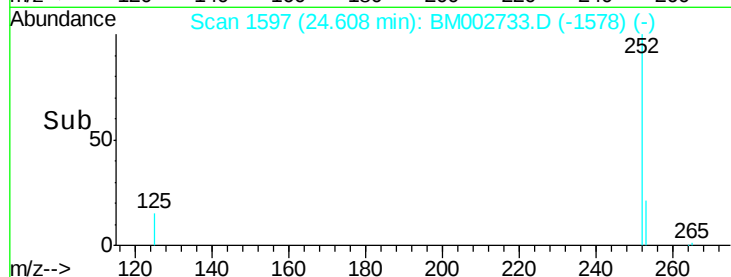
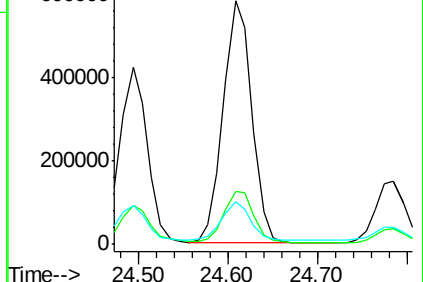
125 17.3 14.5 21.7



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 5.57 ng/ul

RT: 27.46 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BM002733.D

Acq: 28 Sep 2015 14:11

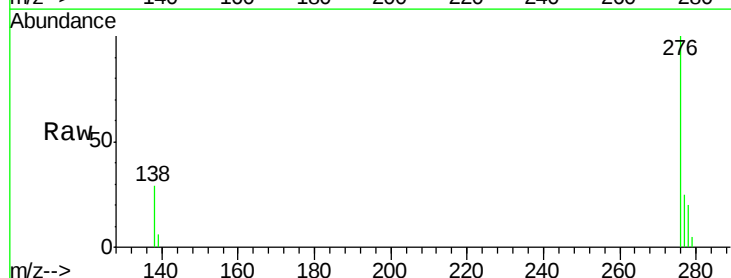
Tgt Ion:276 Resp: 916638

Ion Ratio Lower Upper

276 100

138 29.4 27.5 41.3

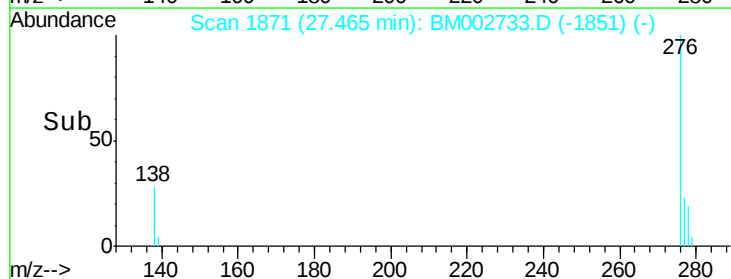
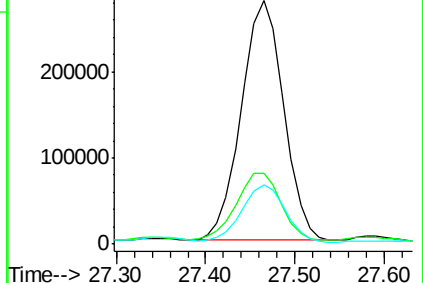
277 24.4 19.3 28.9

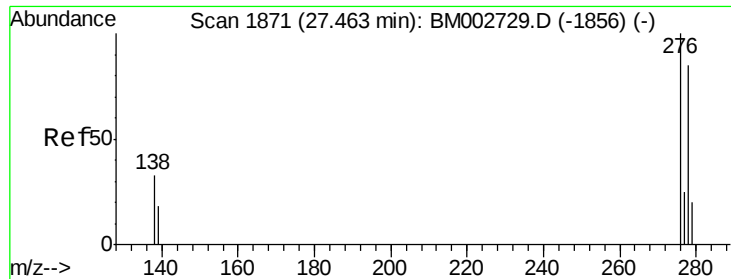


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

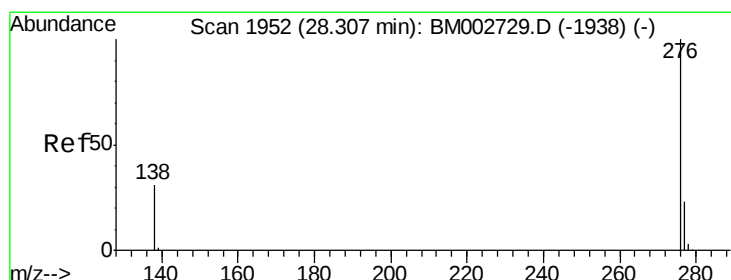
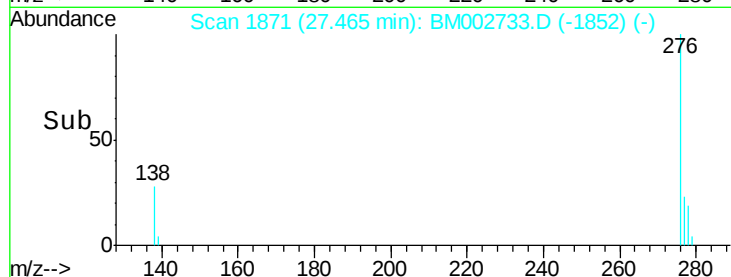
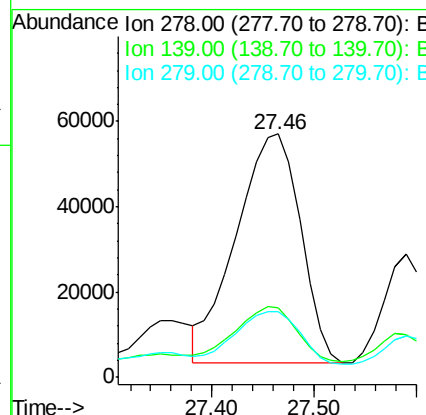
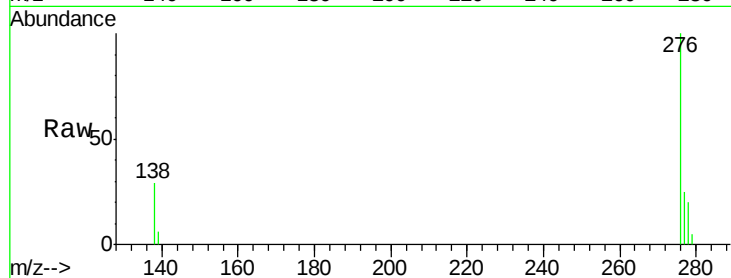




#27
Dibenzo(a,h)anthracene
Concen: 1.74 ng/ul
RT: 27.46 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BM002733.D
Acq: 28 Sep 2015 14:11

Instrument :
BNA_M
ClientSampleId :
D9G66

Tgt Ion: 278 Resp: 235584
Ion Ratio Lower Upper
278 100
139 28.3 21.7 32.5
279 26.8 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 6.06 ng/ul
RT: 28.32 min Scan# 1953
Delta R.T. 0.01 min
Lab File: BM002733.D
Acq: 28 Sep 2015 14:11

Tgt Ion: 276 Resp: 846386
Ion Ratio Lower Upper
276 100
277 24.4 21.3 31.9
138 30.8 25.5 38.3

