

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002739.D
 Acq On : 28 Sep 2015 18:28
 Operator : UM/IZ
 Sample : G3798-20MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G73MS

Quant Time: Sep 29 02:53:21 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 02:52:19 2015
 Response via : Initial Calibration

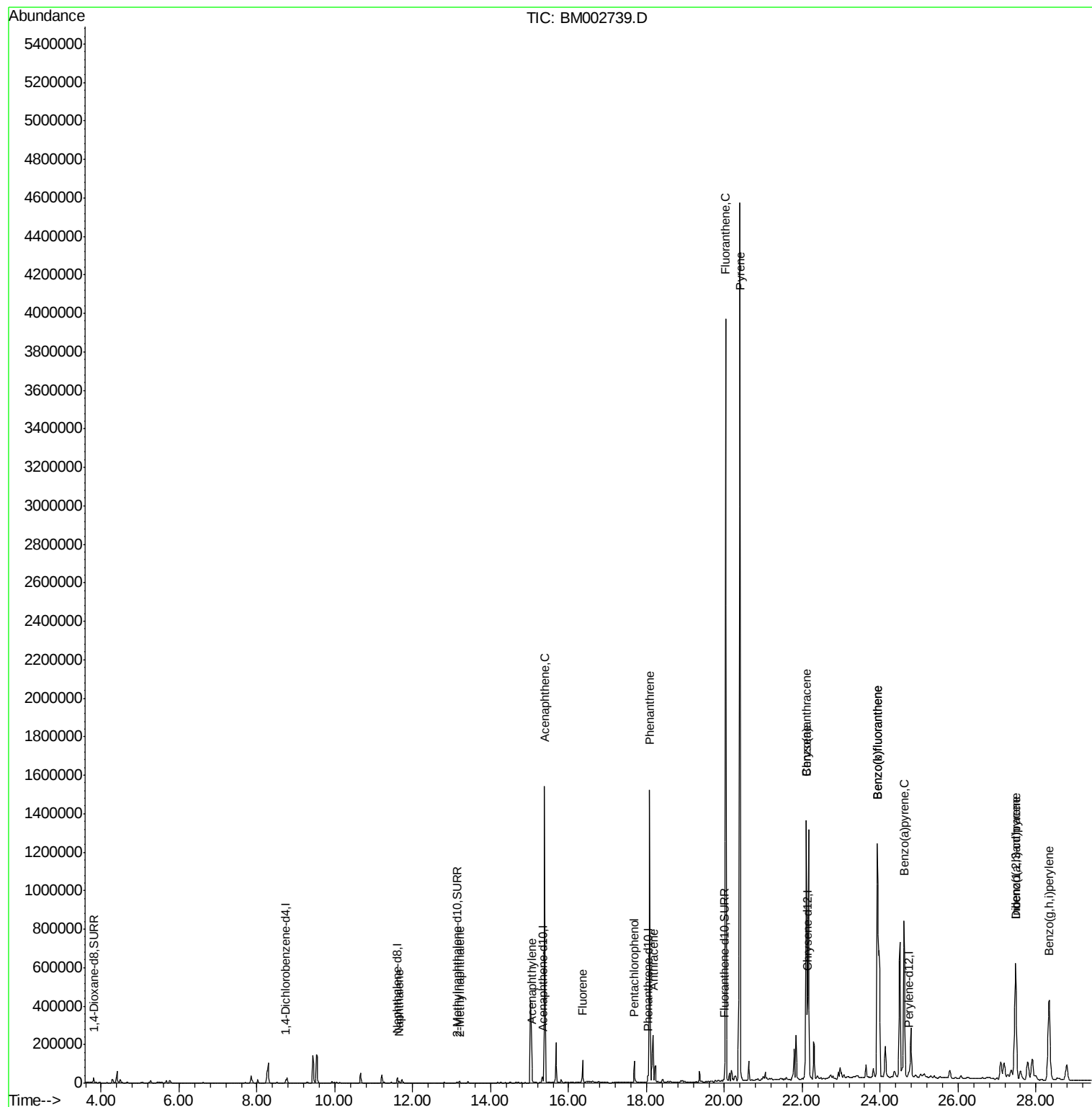
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10304	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	40307	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	21653	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	44600	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	43711	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	49326	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	23141	2.18	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	8242	0.14	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	12563	0.11	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	16583	0.15	ng/ul	100
7) 2-Methylnaphthalene	13.20	142	7529	0.11	ng/ul	99
9) Acenaphthylene	15.06	152	88562	0.79	ng/ul	96
10) Acenaphthene	15.38	153	942624	11.57	ng/ul	94
11) Fluorene	16.36	166	78386	0.84	ng/ul	90
13) Pentachlorophenol	17.69	266	88068	10.11	ng/ul	95
14) Phenanthrene	18.08	178	1678551	11.57	ng/ul	97
15) Anthracene	18.17	178	337911	2.52	ng/ul	96
17) Fluoranthene	20.03	202	3824669	24.23	ng/ul	98
19) Pyrene	20.40	202	4350858	25.54	ng/ul	96
20) Benzo(a)anthracene	22.10	228	1408351	9.64	ng/ul	96
21) Chrysene	22.10	228	1408351	10.07	ng/ul	92
23) Benzo(b)fluoranthene	23.93	252	3113187	17.51	ng/ul	96
24) Benzo(k)fluoranthene	23.93	252	3113187	18.90	ng/ul	96
25) Benzo(a)pyrene	24.62	252	1315663	8.04	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	27.47	276	1147435	6.28	ng/ul	94
27) Dibenzo(a,h)anthracene	27.47	278	265529	1.77	ng/ul	98
28) Benzo(a,h,i)perylene	28.34	276	1000485	6.46	ng/ul	97

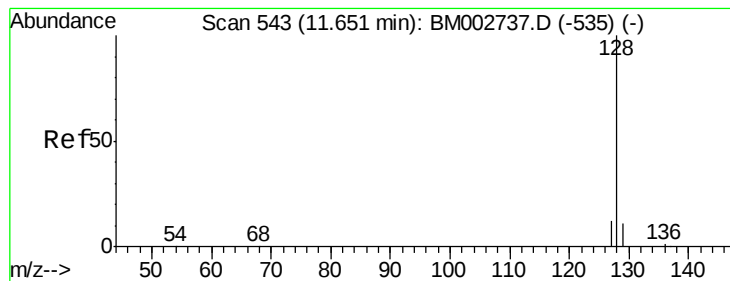
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.15 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

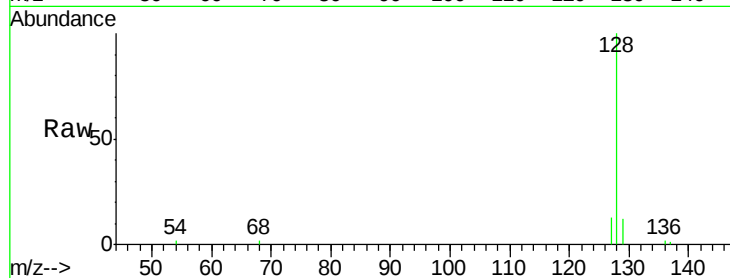
Tot Ion:128 Resp: 16583

Ion Ratio Lower Upper

128 100

129 12.5 9.8 14.8

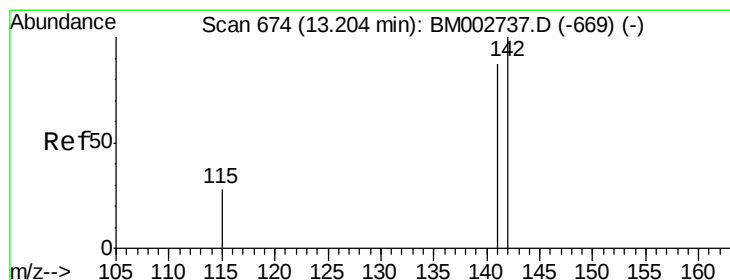
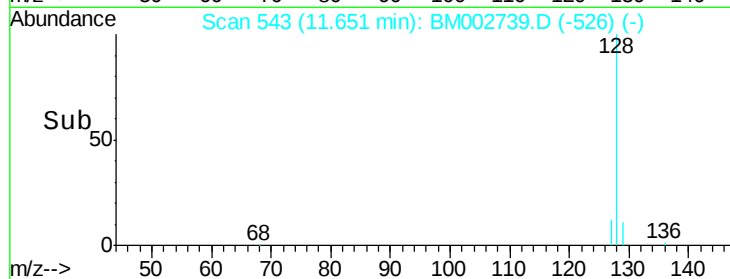
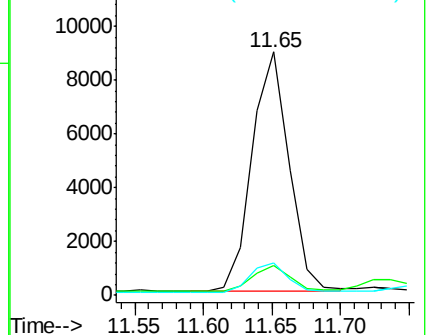
127 13.2 10.7 16.1



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: 0.11 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002739.D

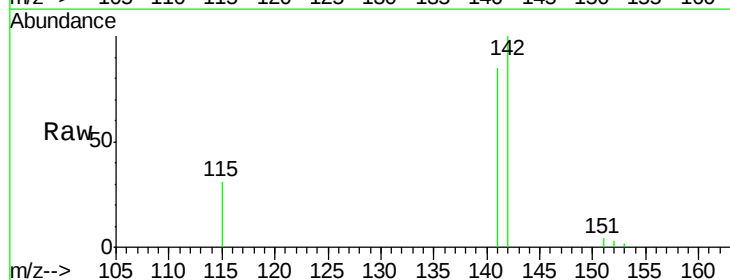
Acq: 28 Sep 2015 18:28

Tgt Ion:142 Resp: 7529

Ion Ratio Lower Upper

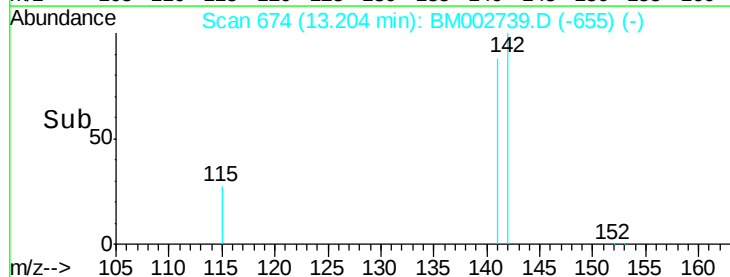
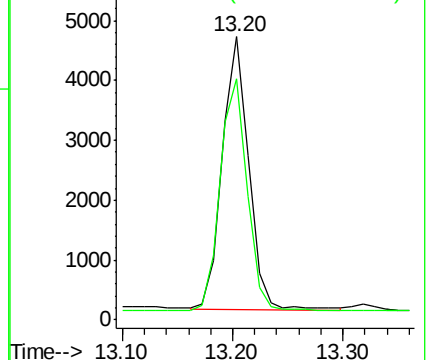
142 100

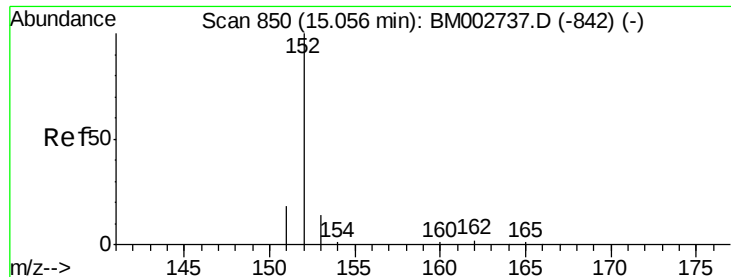
141 87.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.79 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

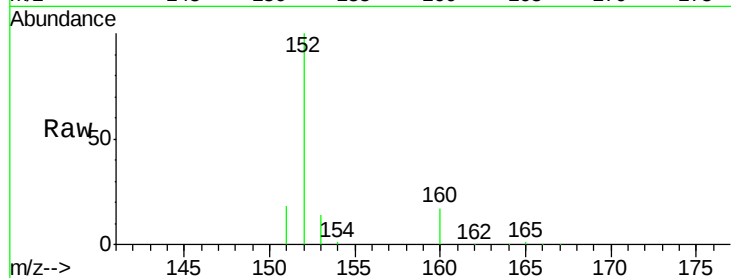
Tot Ion:152 Resp: 88562

Ion Ratio Lower Upper

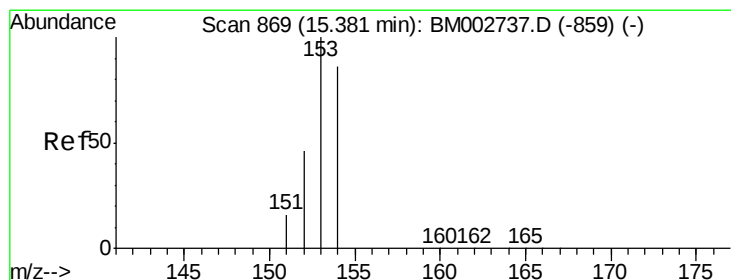
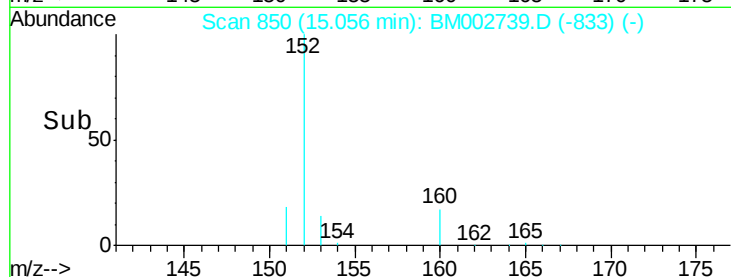
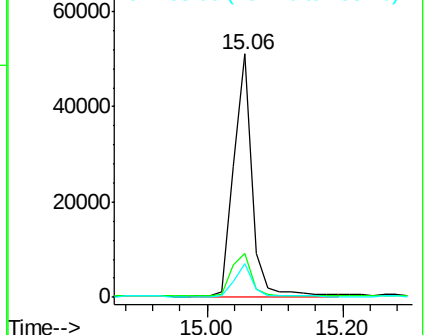
152 100

151 18.1 16.8 25.2

153 14.0 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: 11.57 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

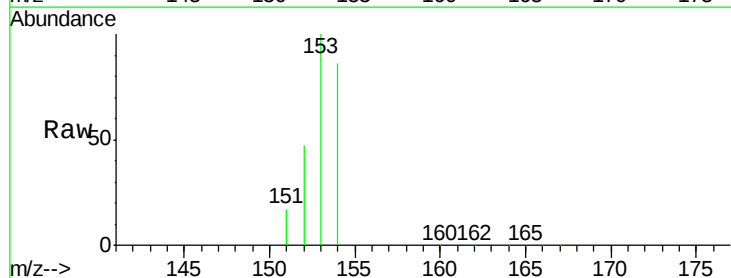
Tgt Ion:153 Resp: 942624

Ion Ratio Lower Upper

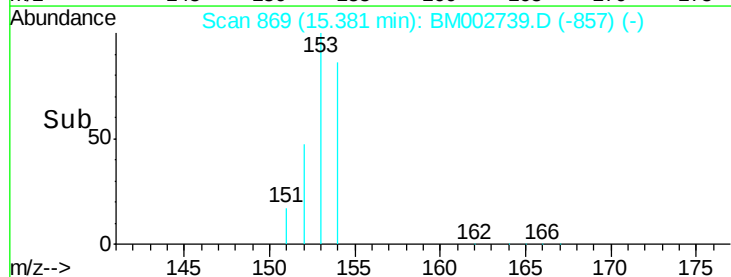
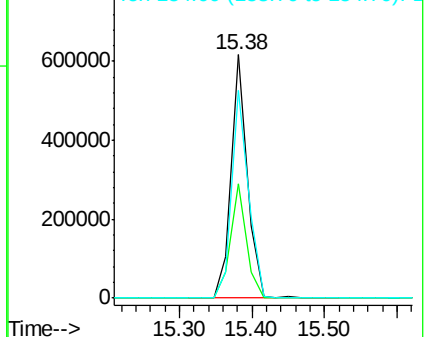
153 100

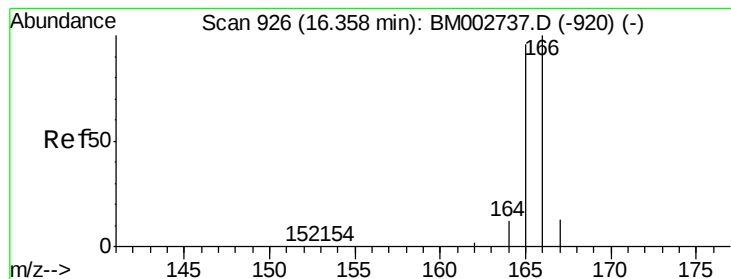
152 47.0 42.3 63.5

154 85.6 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: 0.84 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

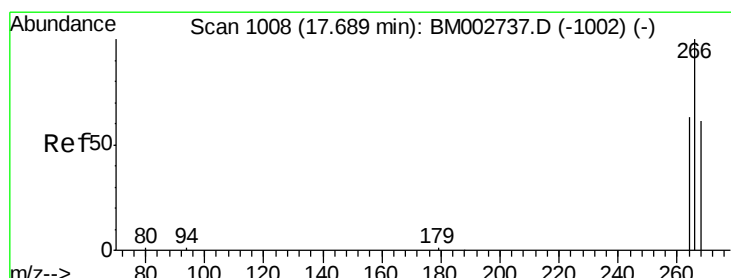
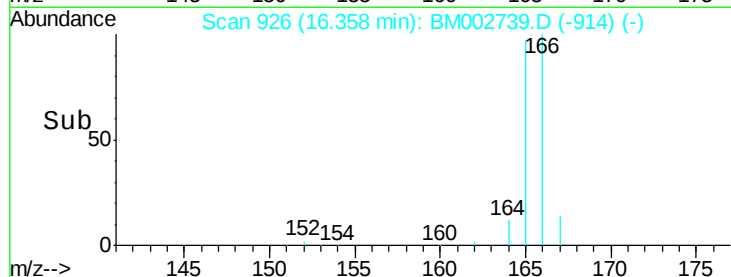
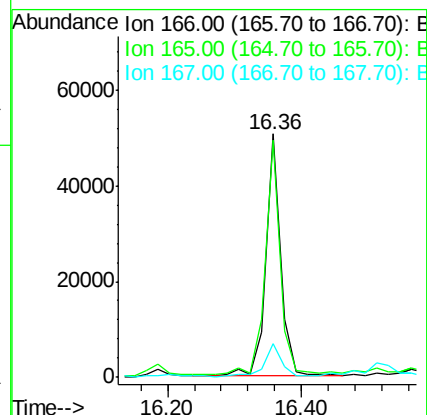
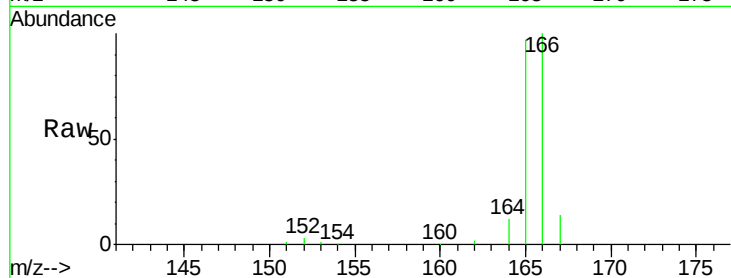
Tot Ion:166 Resp: 78386

Ion Ratio Lower Upper

166 100

165 97.4 87.6 131.4

167 14.1 11.1 16.7



#13

Pentachlorophenol

Concen: 10.11 ng/ul

RT: 17.69 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

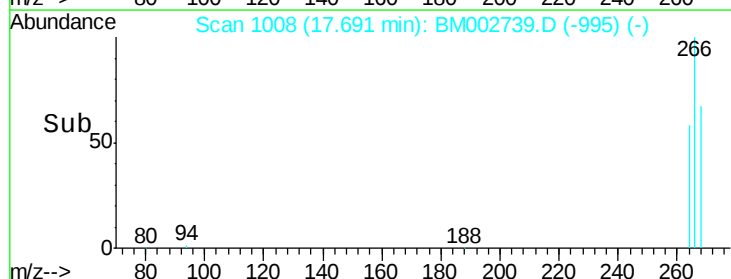
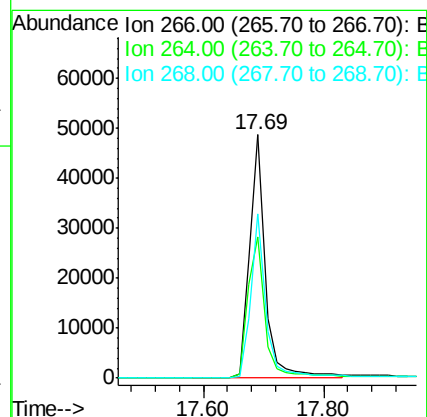
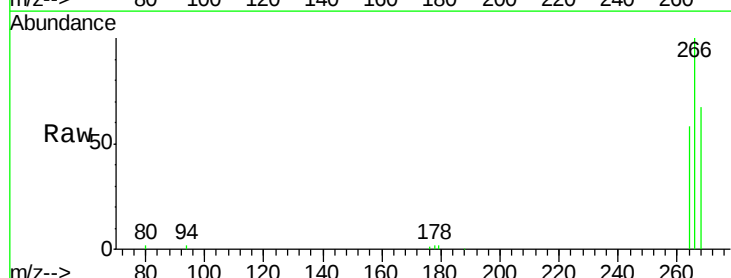
Tgt Ion:266 Resp: 88068

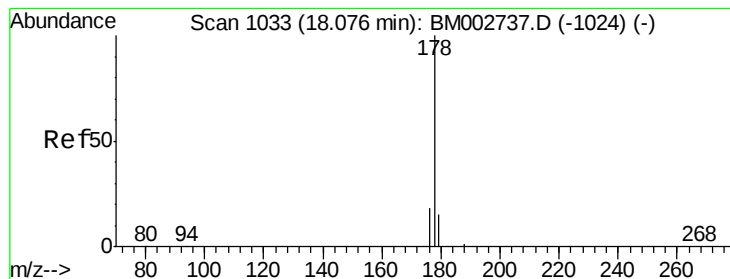
Ion Ratio Lower Upper

266 100

264 62.8 53.5 80.3

268 63.8 54.2 81.2





#14

Phenanthrene

Concen: 11.57 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

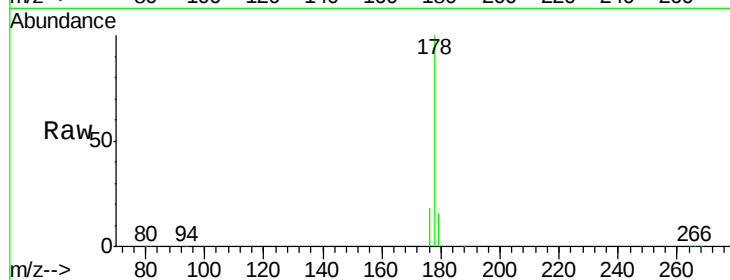
Tot Ion:178 Resp: 1678551

Ion Ratio Lower Upper

178 100

176 17.9 16.2 24.4

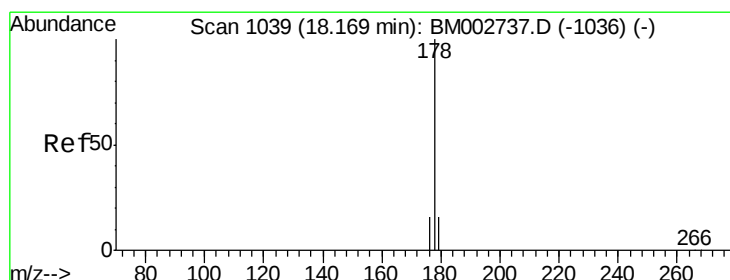
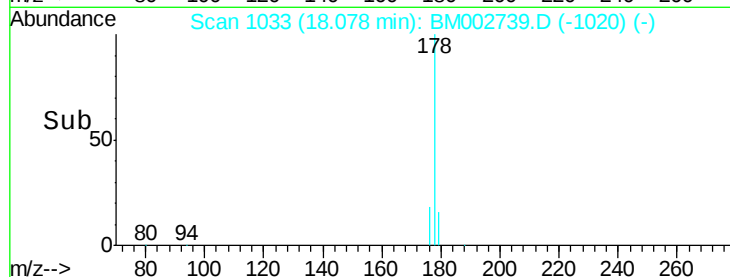
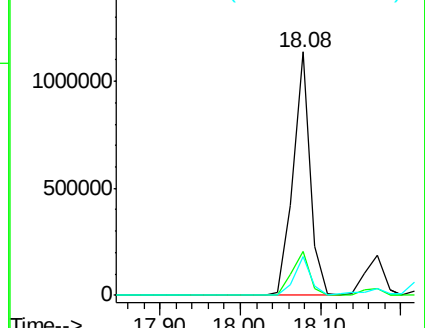
179 15.9 12.8 19.2



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: 2.52 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

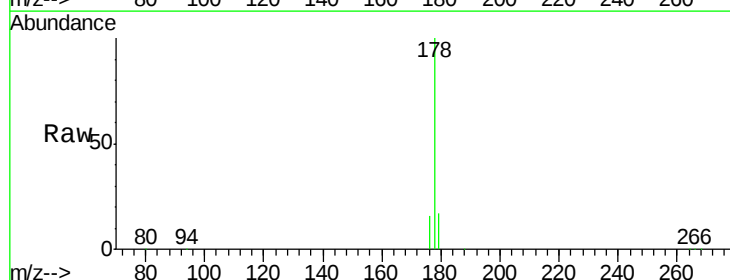
Tgt Ion:178 Resp: 337911

Ion Ratio Lower Upper

178 100

176 16.5 15.8 23.8

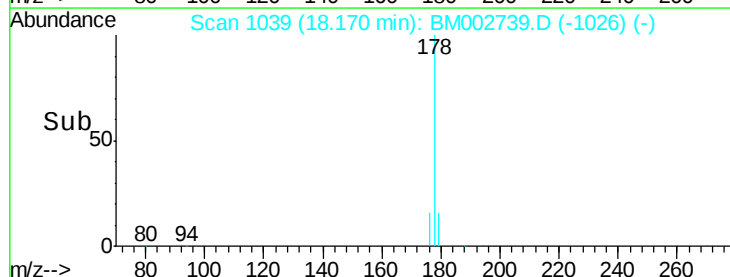
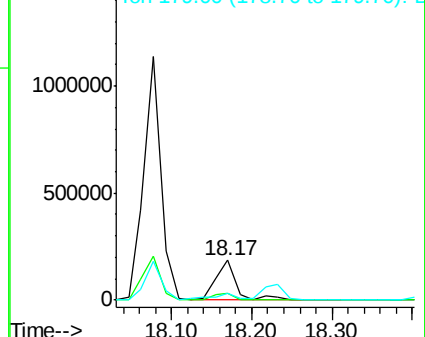
179 16.7 13.3 19.9

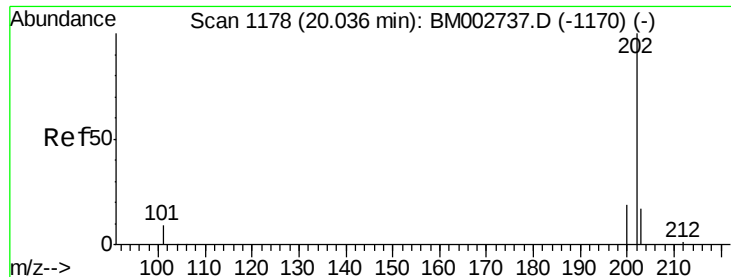


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

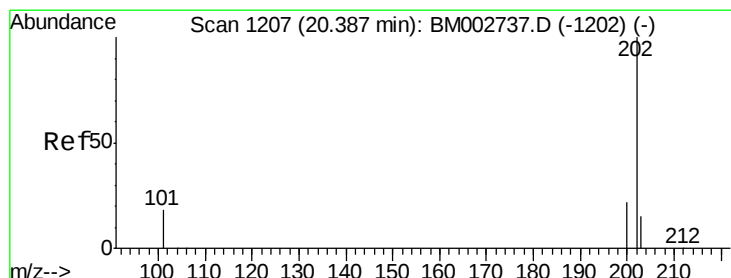
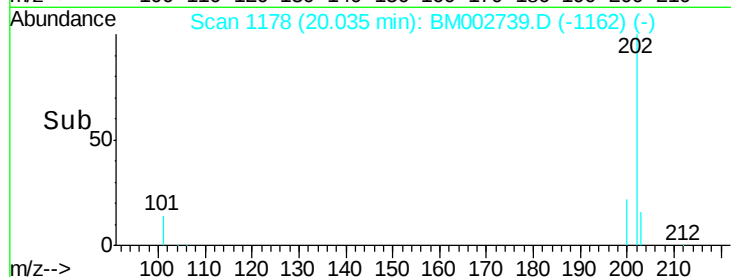
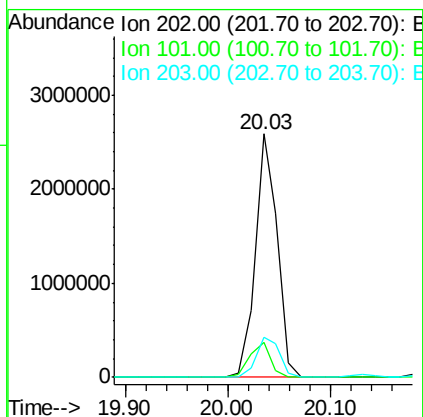
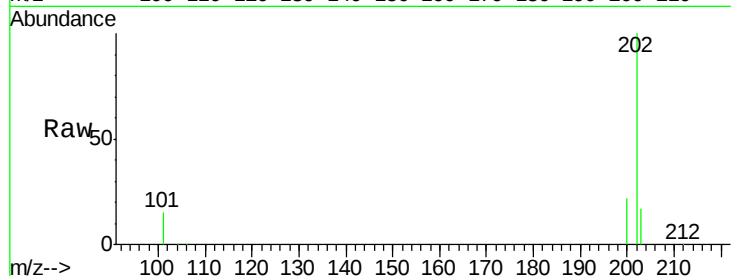




#17
Fluoranthene
Concen: 24.23 ng/ul
RT: 20.03 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BM002739.D
Acq: 28 Sep 2015 18:28

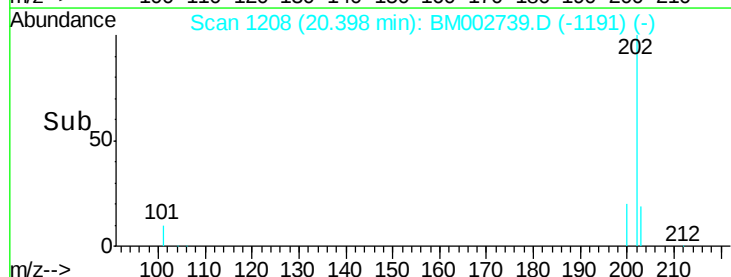
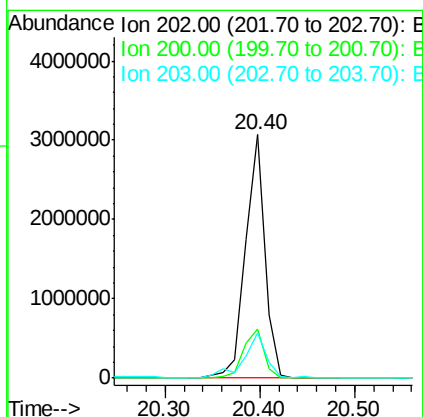
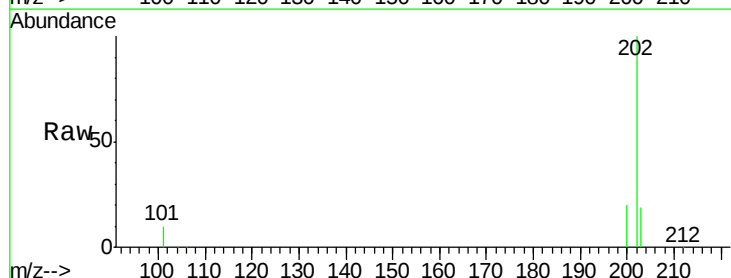
Instrument :
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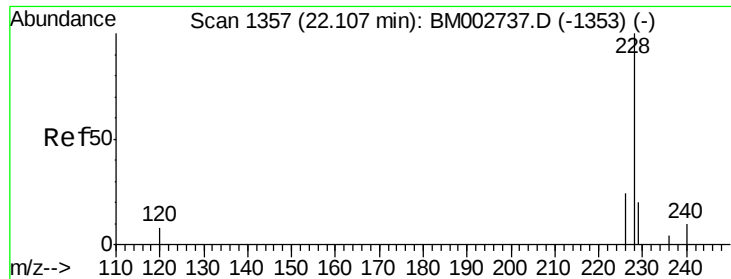
Tot Ion:202 Resp: 3824669
Ion Ratio Lower Upper
202 100
101 14.6 0.0 33.1
203 16.6 0.0 37.2



#19
Pyrene
Concen: 25.54 ng/ul
RT: 20.40 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BM002739.D
Acq: 28 Sep 2015 18:28

Tgt Ion:202 Resp: 4350858
Ion Ratio Lower Upper
202 100
200 20.1 18.0 27.0
203 18.7 13.8 20.6





#20

Benzo(a)anthracene

Concen: 9.64 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

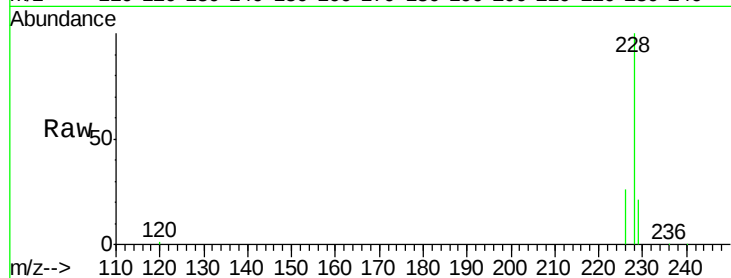
Tot Ion:228 Resp: 1408351

Ion Ratio Lower Upper

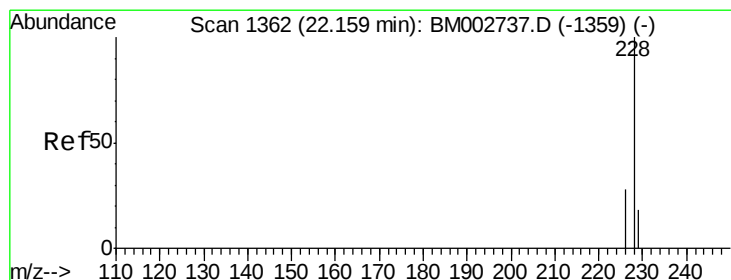
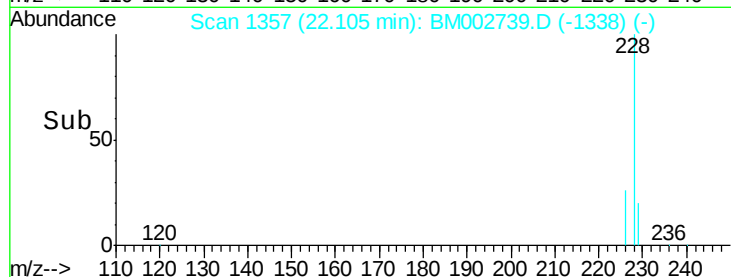
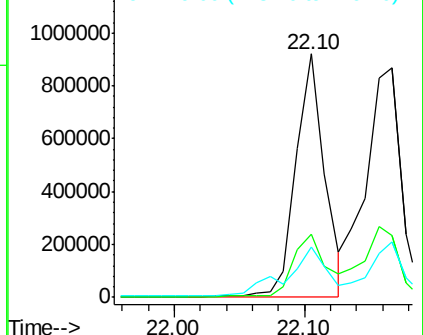
228 100

226 26.2 23.0 34.4

229 20.8 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: 10.07 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.05 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

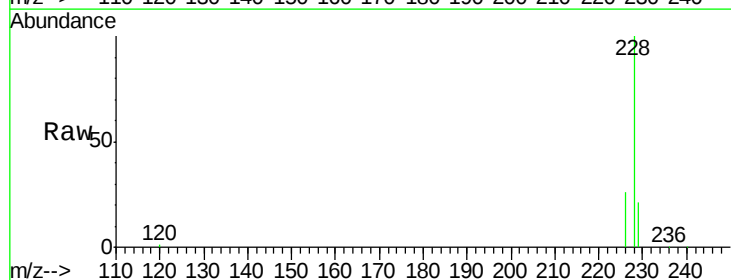
Tgt Ion:228 Resp: 1408351

Ion Ratio Lower Upper

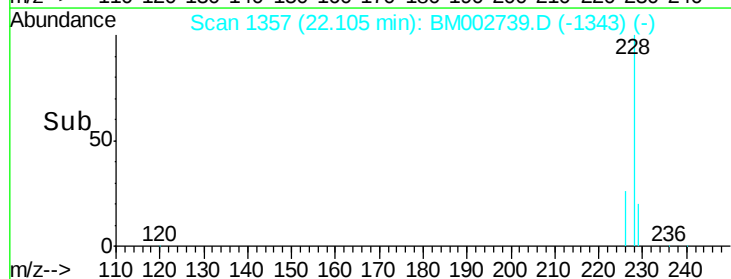
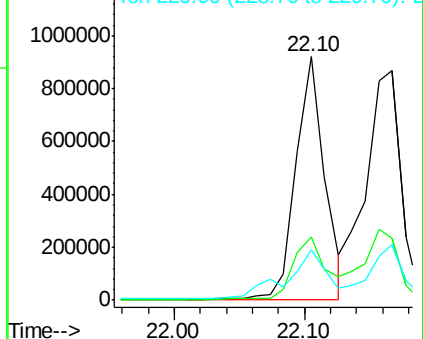
228 100

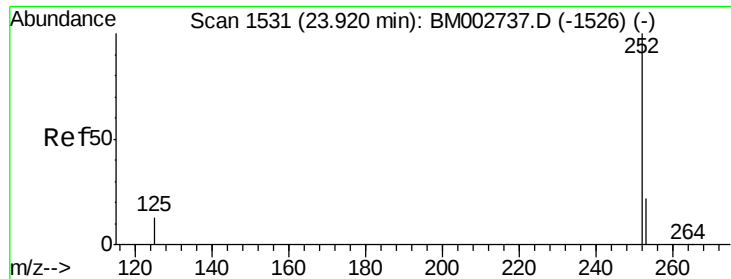
226 26.2 25.7 38.5

229 20.8 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: 17.51 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

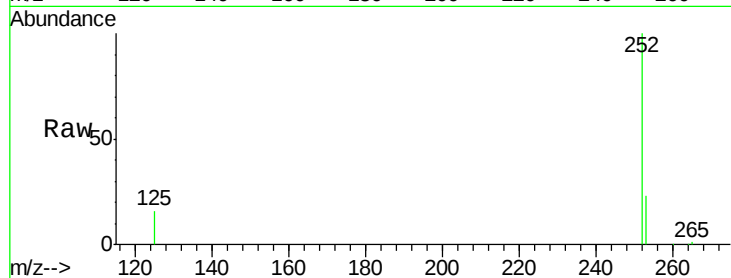
Tot Ion:252 Resp: 3113187

Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.0

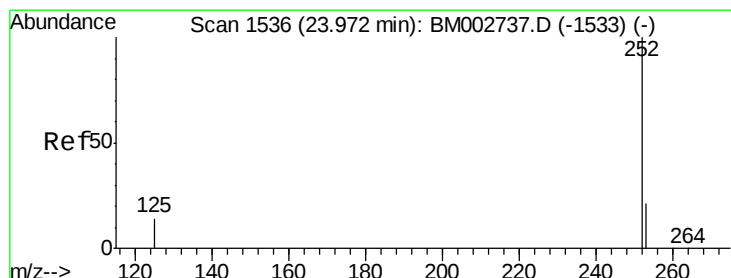
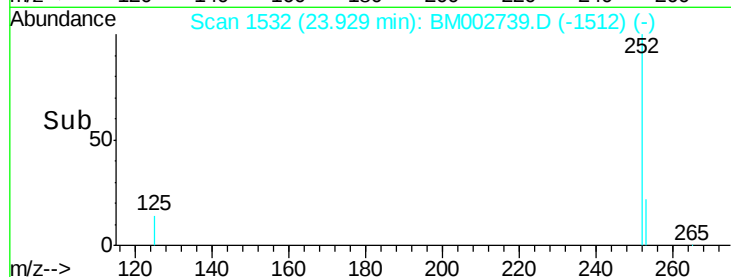
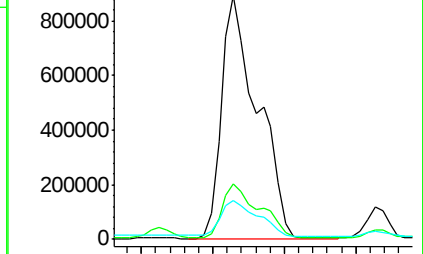
125 15.8 0.0 36.6



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: 18.90 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

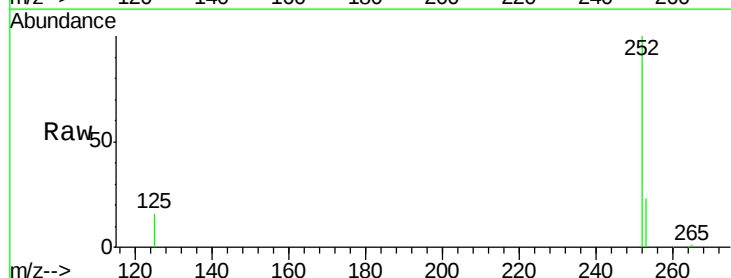
Tgt Ion:252 Resp: 3113187

Ion Ratio Lower Upper

252 100

253 22.9 20.8 31.2

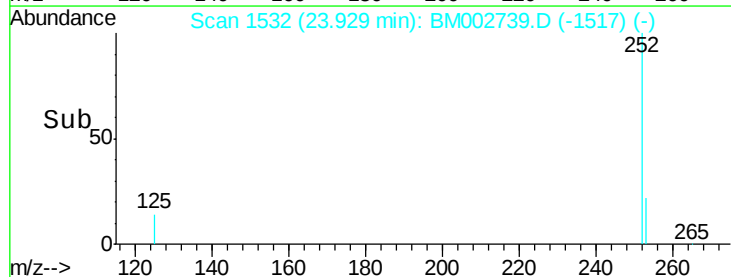
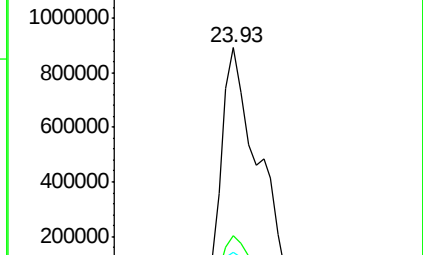
125 15.8 12.2 18.4

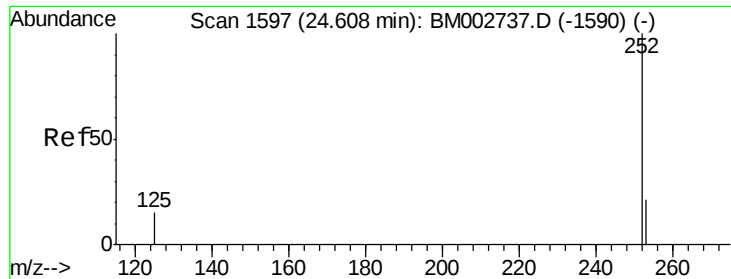


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 8.04 ng/ul

RT: 24.62 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

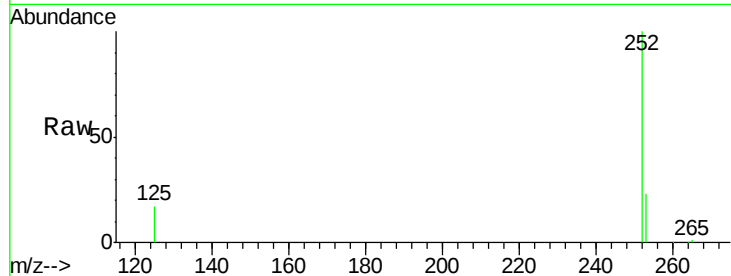
Tot Ion:252 Resp: 1315663

Ion Ratio Lower Upper

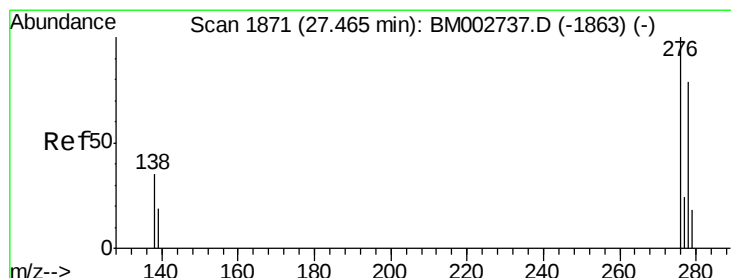
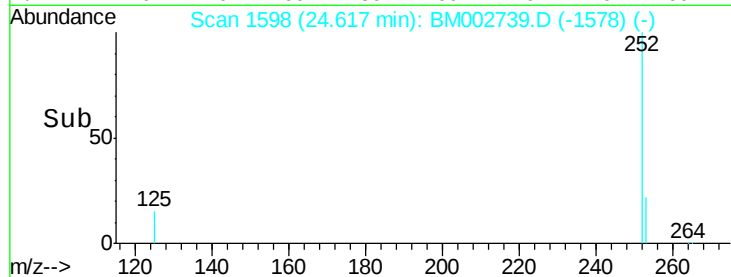
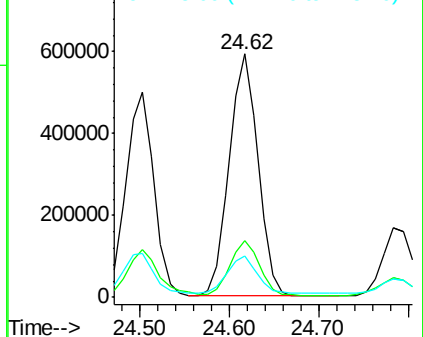
252 100

253 23.4 21.8 32.8

125 16.8 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: 6.28 ng/ul

RT: 27.47 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

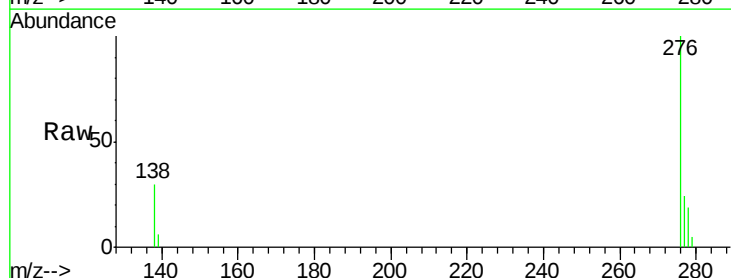
Tgt Ion:276 Resp: 1147435

Ion Ratio Lower Upper

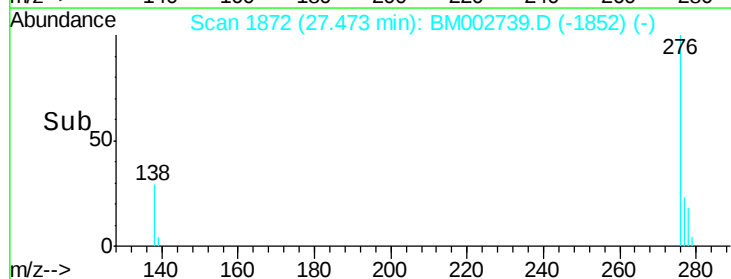
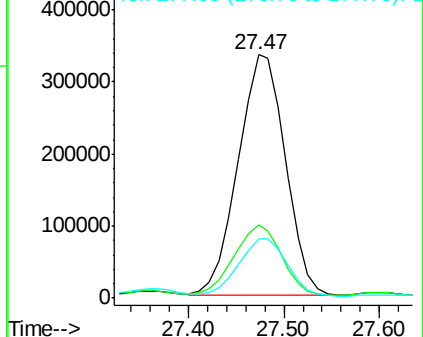
276 100

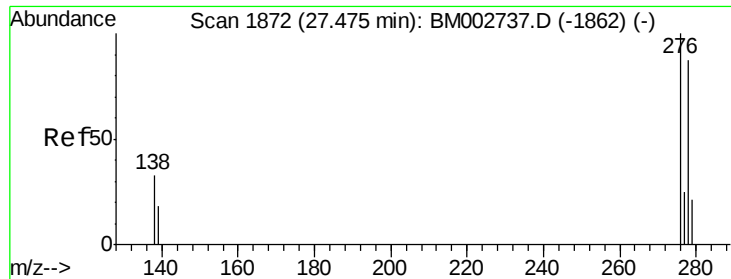
138 29.2 27.5 41.3

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: 1.77 ng/ul

RT: 27.47 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Instrument :

BNA_M

ClientSampleId :

D9G73MS

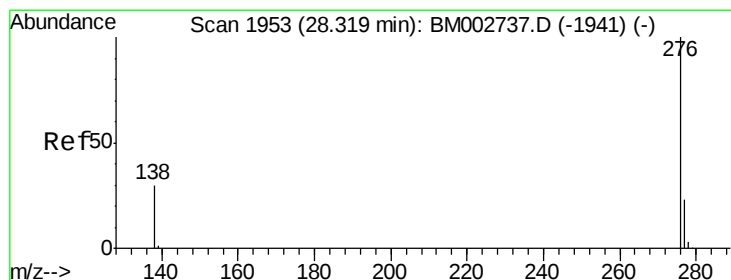
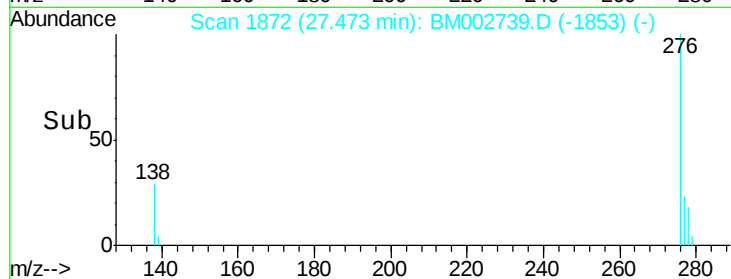
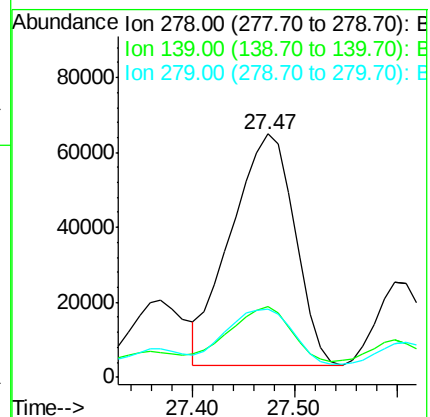
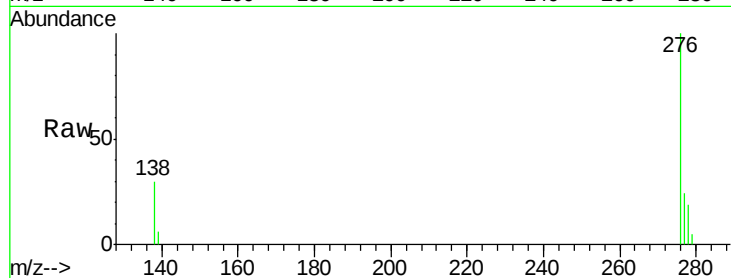
Tot Ion:278 Resp: 265529

Ion Ratio Lower Upper

278 100

139 29.1 21.7 32.5

279 28.0 21.9 32.9



#28

Benzo(g,h,i)perylene

Concen: 6.46 ng/ul

RT: 28.34 min Scan# 1955

Delta R.T. 0.02 min

Lab File: BM002739.D

Acq: 28 Sep 2015 18:28

Tgt Ion:276 Resp: 1000485

Ion Ratio Lower Upper

276 100

277 25.0 21.3 31.9

138 30.3 25.5 38.3

