

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002738.D
 Acq On : 28 Sep 2015 17:51
 Operator : UM/IZ
 Sample : G3798-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G73

Quant Time: Sep 29 02:53:11 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

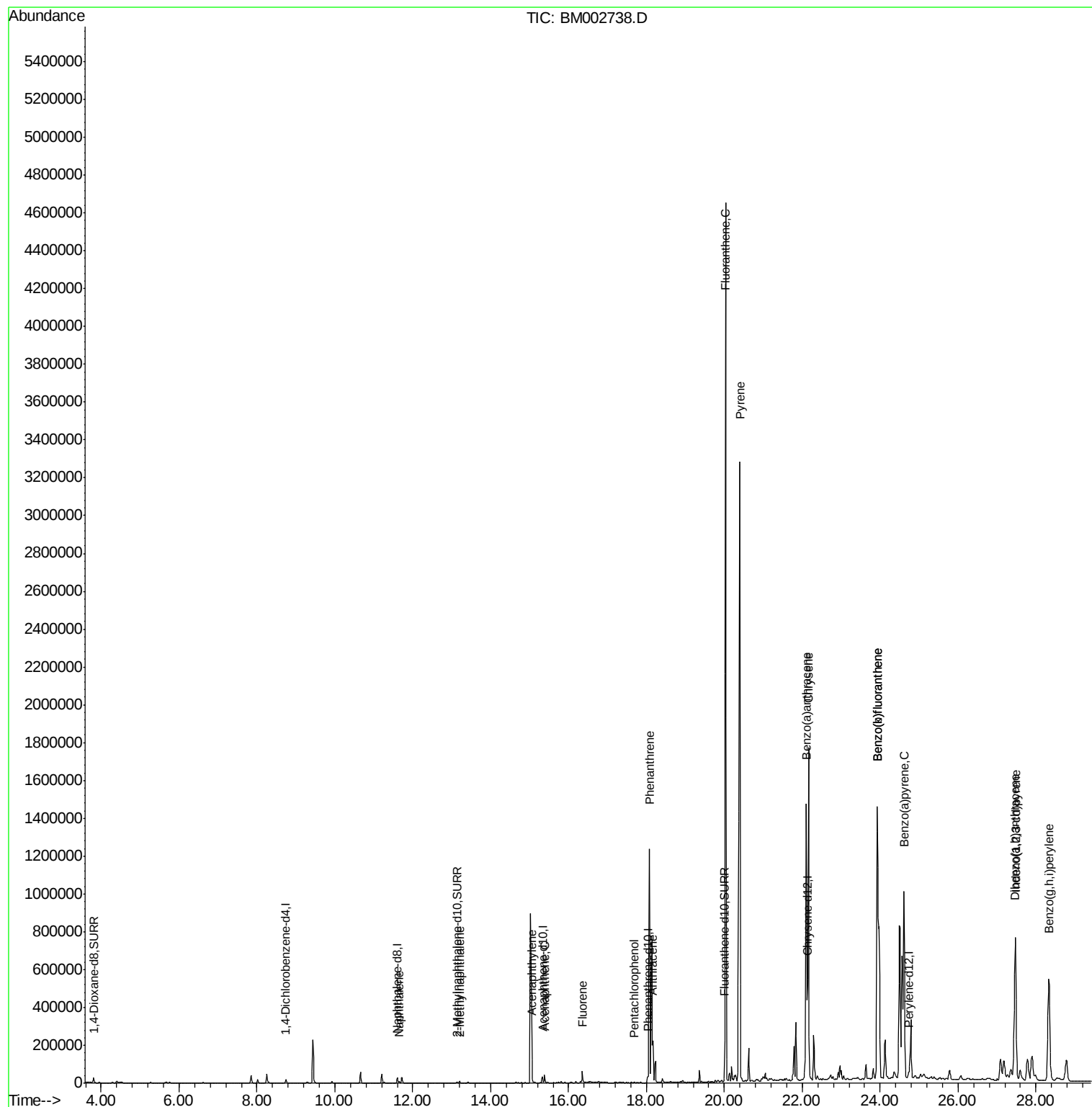
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10206	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	40227	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	21750	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	45367	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	45177	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	49108	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	22287	2.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	8060	0.14	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	12980	0.11	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	12134	0.11	ng/ul	99
7) 2-Methylnaphthalene	13.20	142	6945	0.10	ng/ul	99
9) Acenaphthylene	15.06	152	126033	1.12	ng/ul	96
10) Acenaphthene	15.38	153	26003	0.32	ng/ul	95
11) Fluorene	16.36	166	46206	0.50	ng/ul	90
13) Pentachlorophenol	17.69	266	279	0.03	ng/ul#	85
14) Phenanthrene	18.08	178	1365598	9.25	ng/ul	97
15) Anthracene	18.17	178	259474	1.90	ng/ul	96
17) Fluoranthene	20.04	202	4333793	26.99	ng/ul	97
19) Pyrene	20.40	202	3628979	20.61	ng/ul	92
20) Benzo(a)anthracene	22.11	228	1679765	11.13	ng/ul	93
21) Chrysene	22.16	228	1876819	12.99	ng/ul	97
23) Benzo(b)fluoranthene	23.93	252	3744015	21.15	ng/ul	96
24) Benzo(k)fluoranthene	23.93	252	3744015	22.83	ng/ul	96
25) Benzo(a)pyrene	24.62	252	1643744	10.08	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	27.47	276	1395105	7.67	ng/ul	94
27) Dibenzo(a,h)anthracene	27.46	278	315604	2.12	ng/ul	100
28) Benzo(a,h,i)perylene	28.33	276	1241037	8.05	ng/ul	97

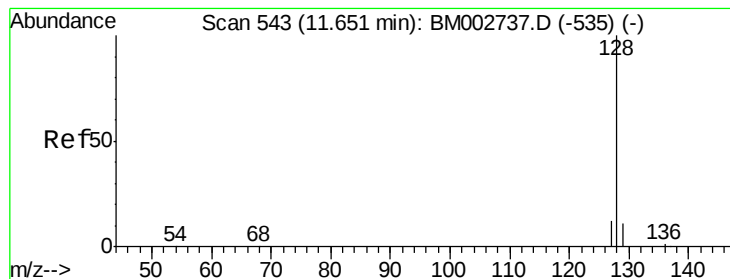
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.11 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

Instrument :

BNA_M

ClientSampleId :

D9G73

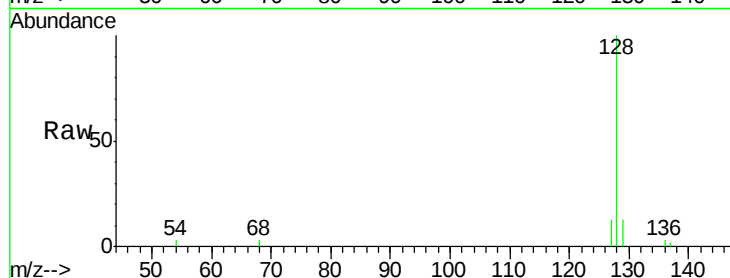
Tot Ion:128 Resp: 12134

Ion Ratio Lower Upper

128 100

129 13.0 9.8 14.8

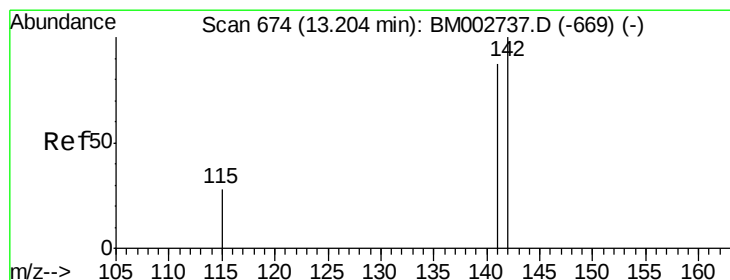
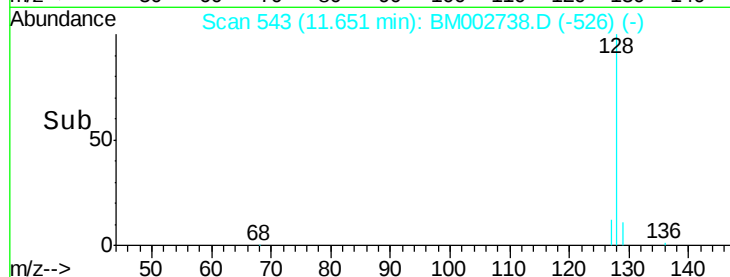
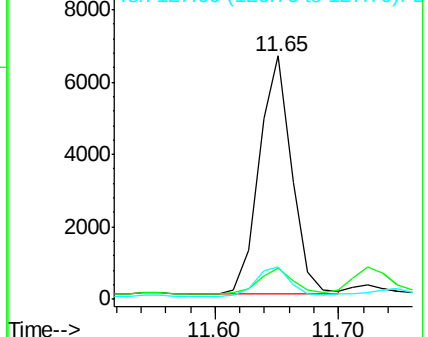
127 13.1 10.7 16.1



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: 0.10 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002738.D

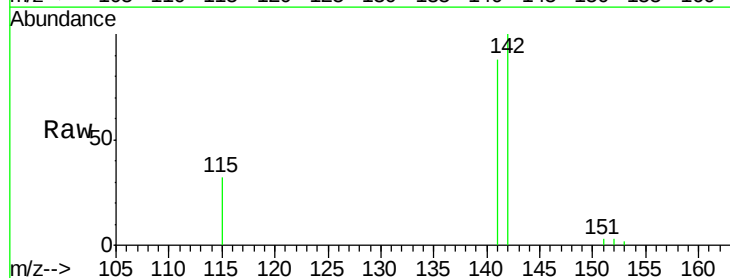
Acq: 28 Sep 2015 17:51

Tgt Ion:142 Resp: 6945

Ion Ratio Lower Upper

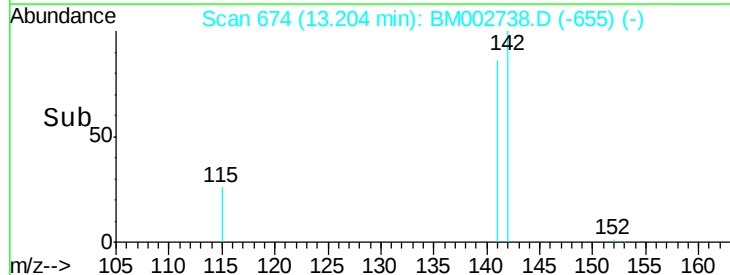
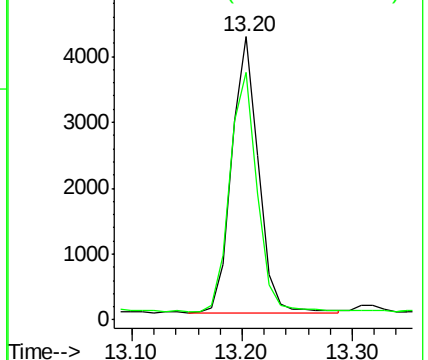
142 100

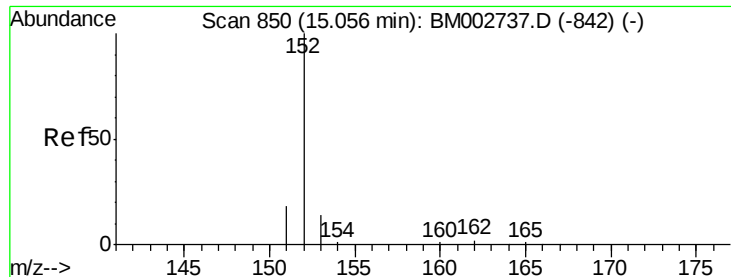
141 89.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 1.12 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

Instrument :

BNA_M

ClientSampleId :

D9G73

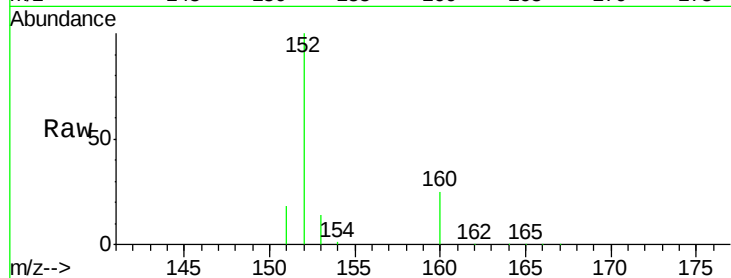
Tot Ion:152 Resp: 126033

Ion Ratio Lower Upper

152 100

151 18.0 16.8 25.2

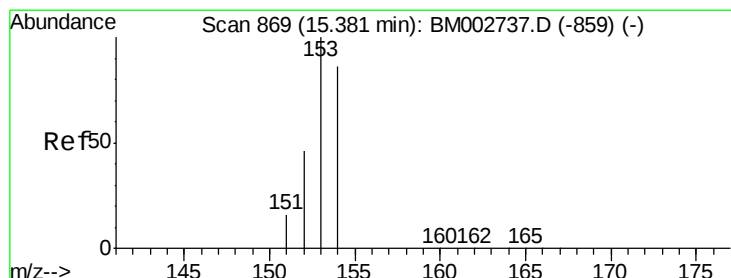
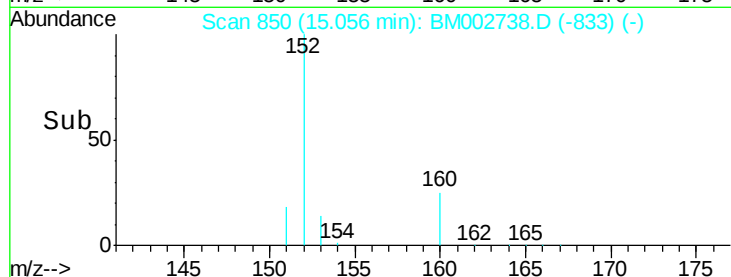
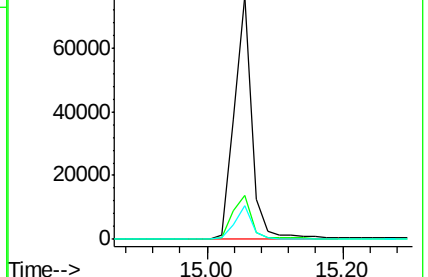
153 13.7 11.3 16.9



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: 0.32 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

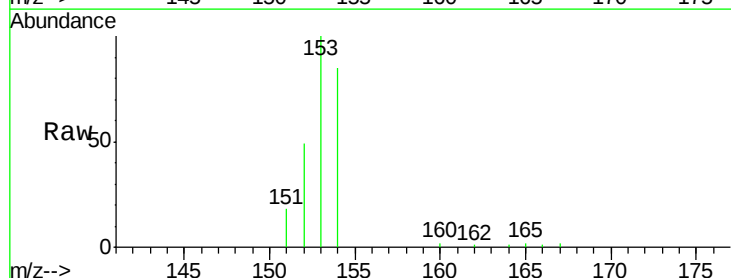
Tgt Ion:153 Resp: 26003

Ion Ratio Lower Upper

153 100

152 48.8 42.3 63.5

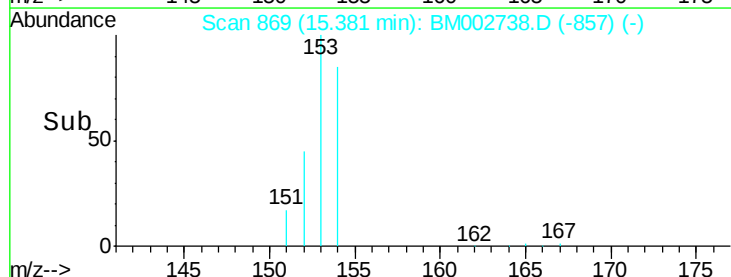
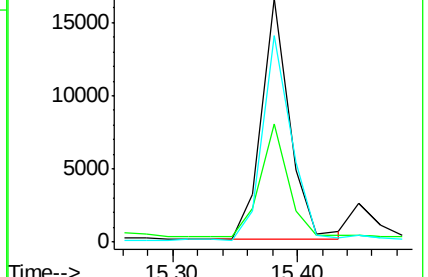
154 84.8 64.7 97.1

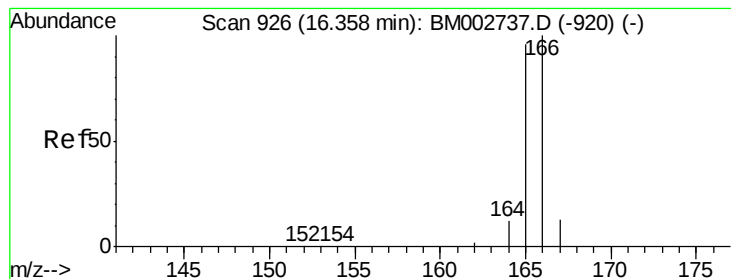


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.50 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

Instrument :

BNA_M

ClientSampleId :

D9G73

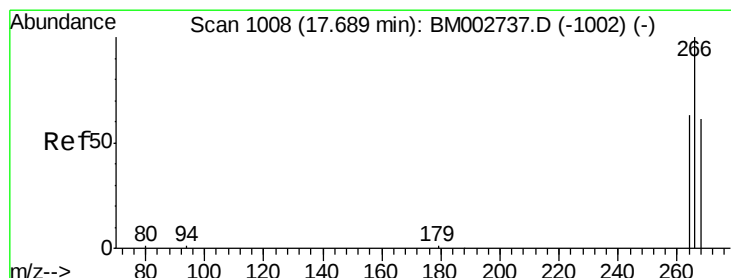
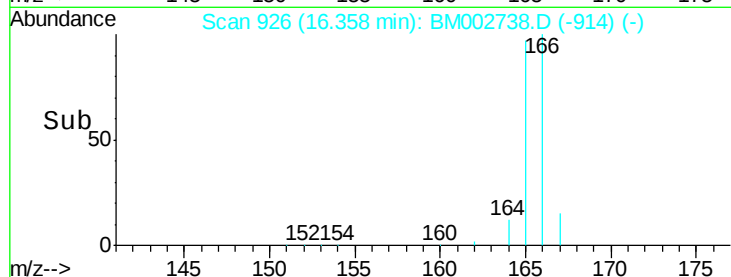
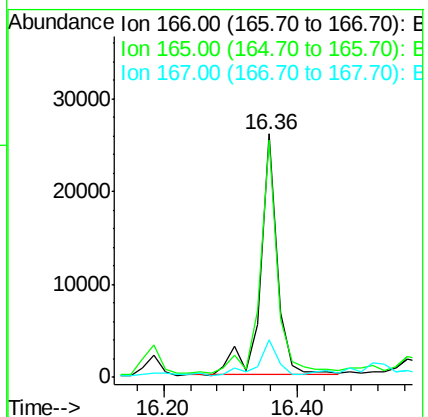
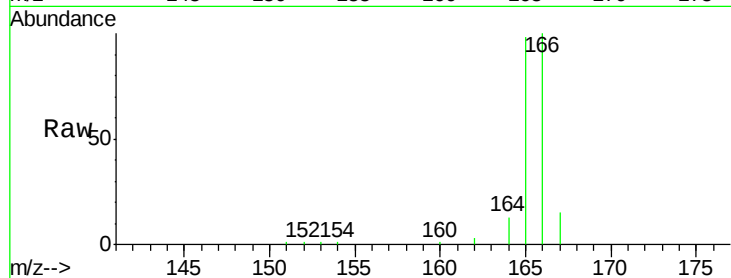
Tot Ion:166 Resp: 46206

Ion Ratio Lower Upper

166 100

165 97.5 87.6 131.4

167 15.2 11.1 16.7



#13

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 17.69 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

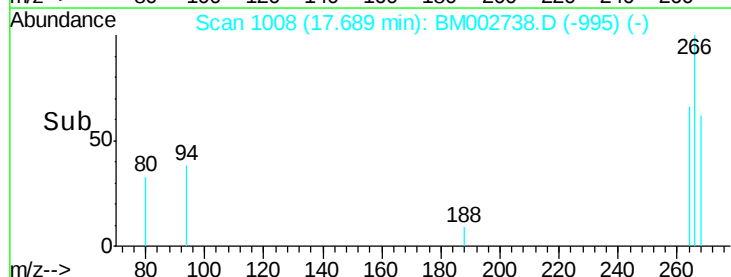
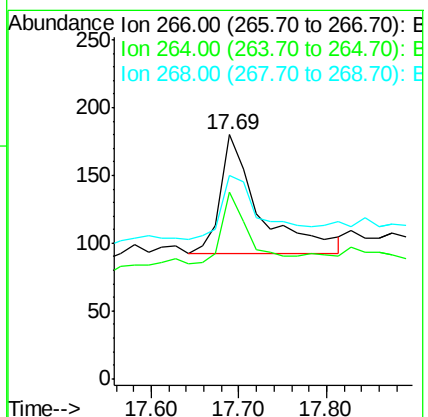
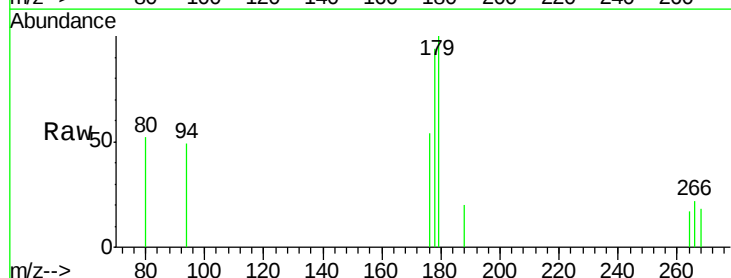
Tgt Ion:266 Resp: 279

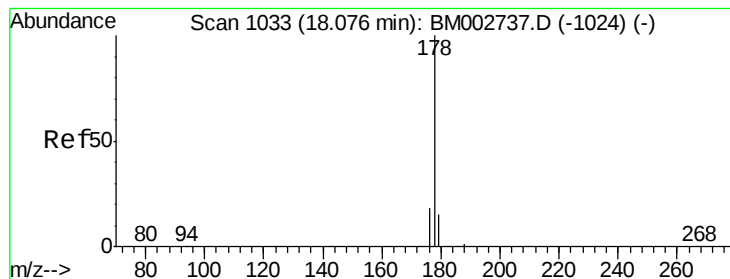
Ion Ratio Lower Upper

266 100

264 45.9 53.5 80.3#

268 63.8 54.2 81.2





#14

Phenanthrene

Concen: 9.25 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

Instrument :

BNA_M

ClientSampleId :

D9G73

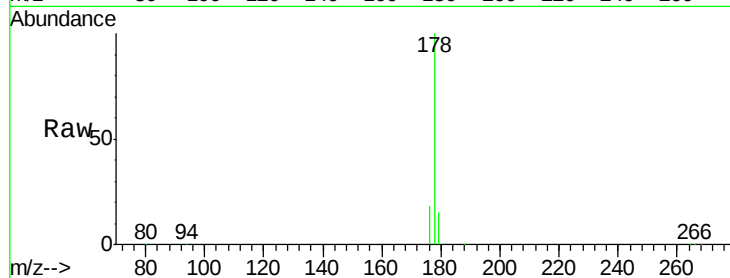
Tot Ion:178 Resp: 1365598

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

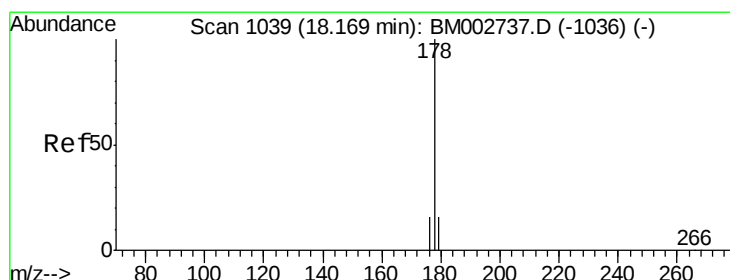
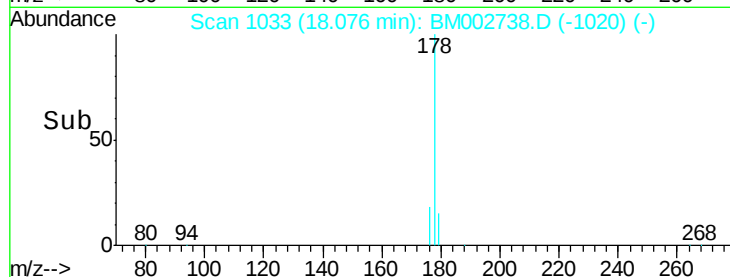
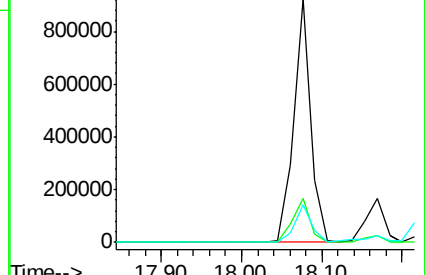
179 15.5 12.8 19.2



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: 1.90 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

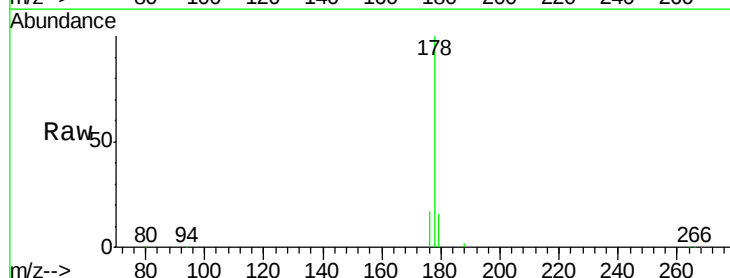
Tgt Ion:178 Resp: 259474

Ion Ratio Lower Upper

178 100

176 16.8 15.8 23.8

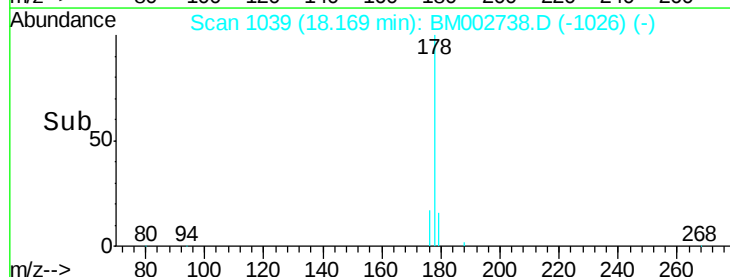
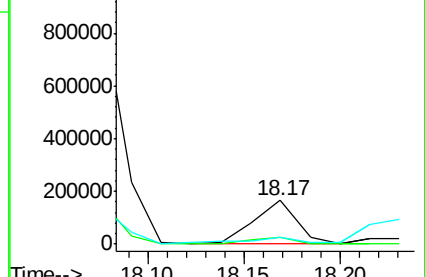
179 16.3 13.3 19.9

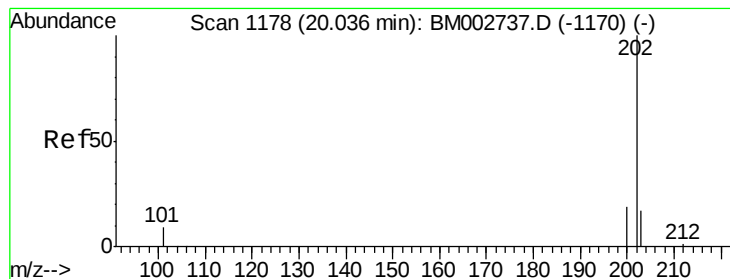


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 26.99 ng/ul

RT: 20.04 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

Instrument :

BNA_M

ClientSampleId :

D9G73

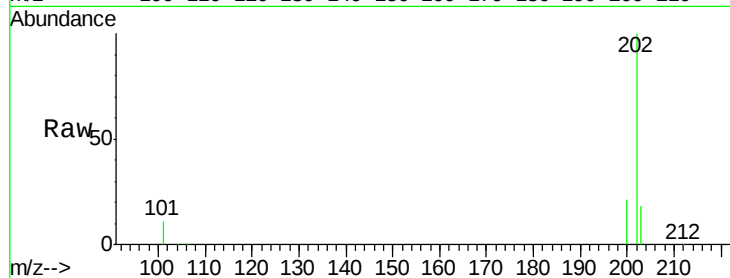
Tot Ion:202 Resp: 4333793

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.1

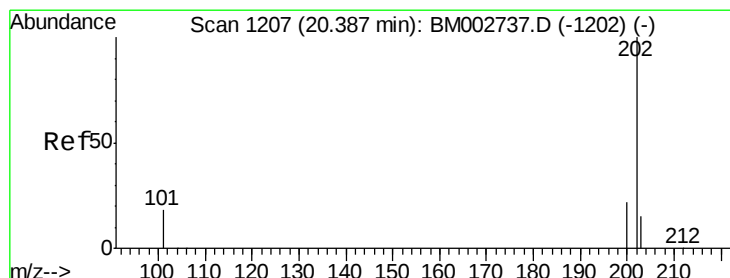
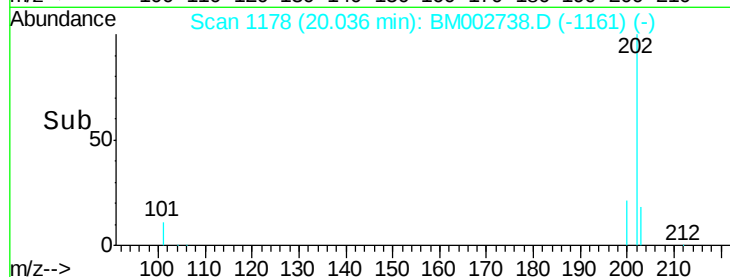
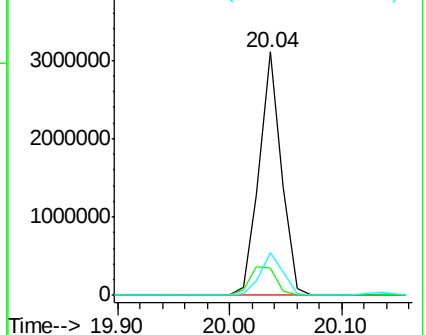
203 17.7 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 20.61 ng/ul

RT: 20.40 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

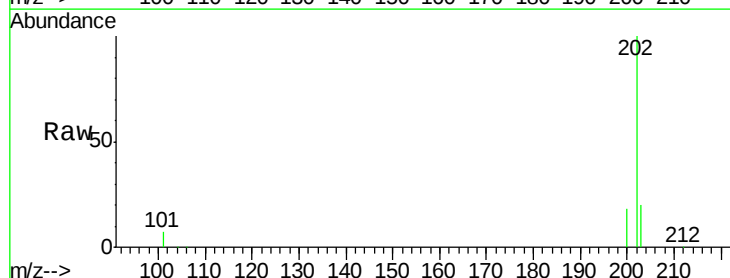
Tgt Ion:202 Resp: 3628979

Ion Ratio Lower Upper

202 100

200 18.2 18.0 27.0

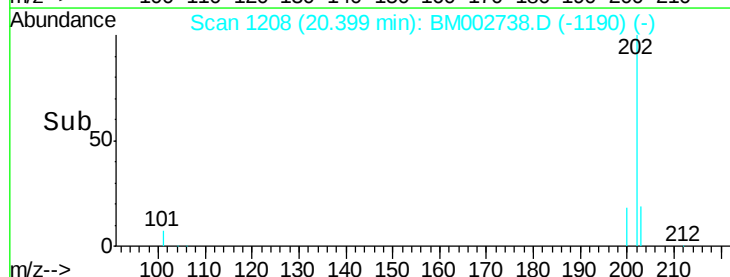
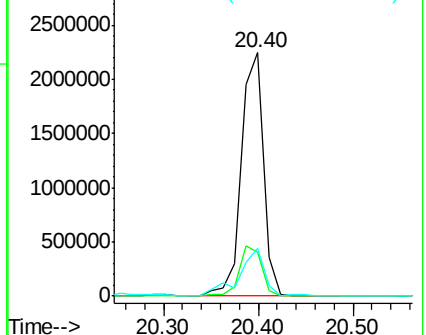
203 19.7 13.8 20.6

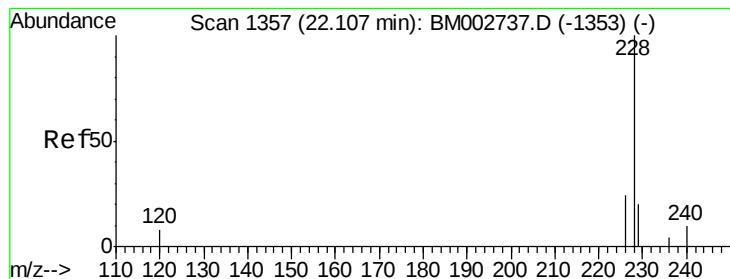


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 11.13 ng/ul

RT: 22.11 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

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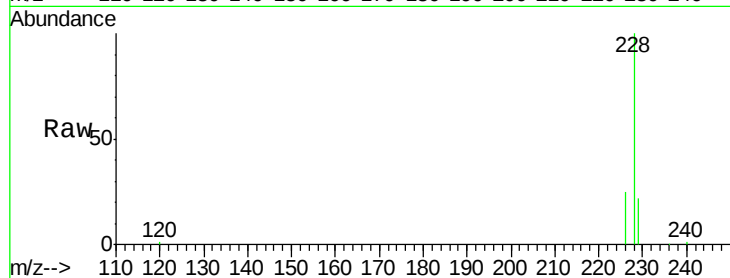
Tot Ion:228 Resp: 1679765

Ion Ratio Lower Upper

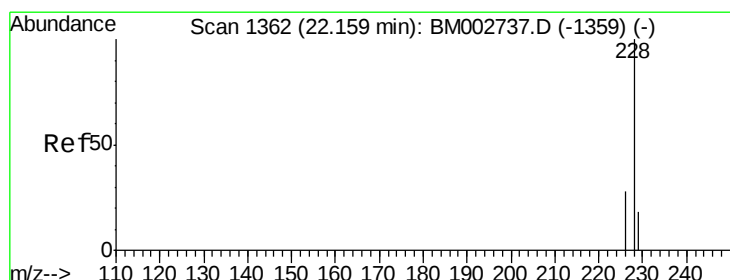
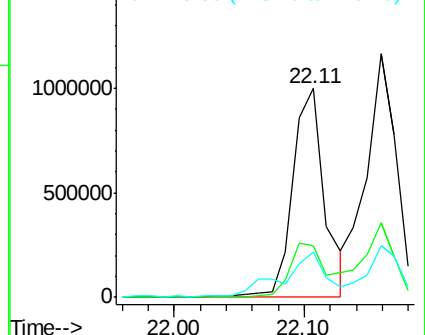
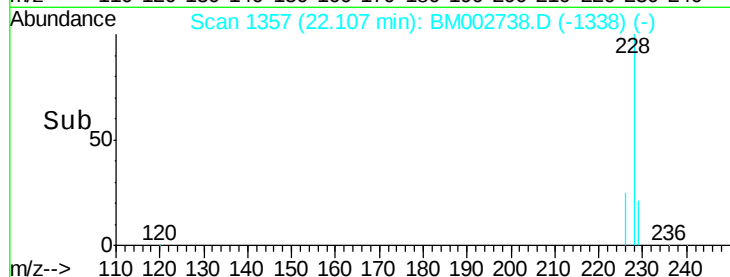
228 100

226 24.8 23.0 34.4

229 21.9 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: 12.99 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

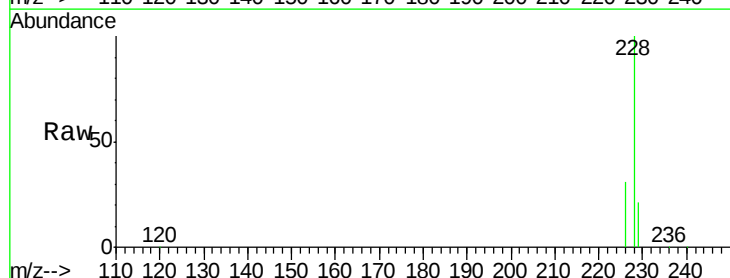
Tgt Ion:228 Resp: 1876819

Ion Ratio Lower Upper

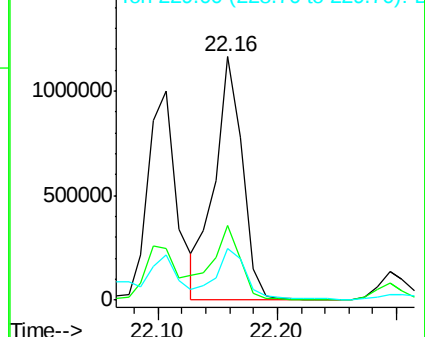
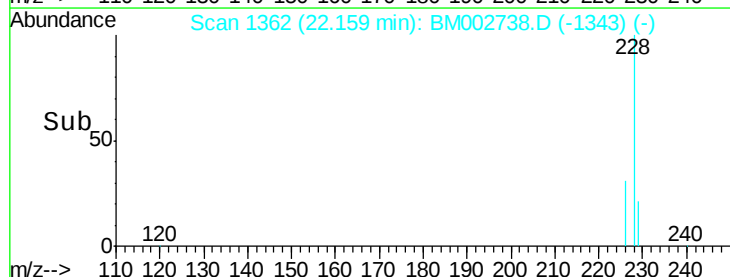
228 100

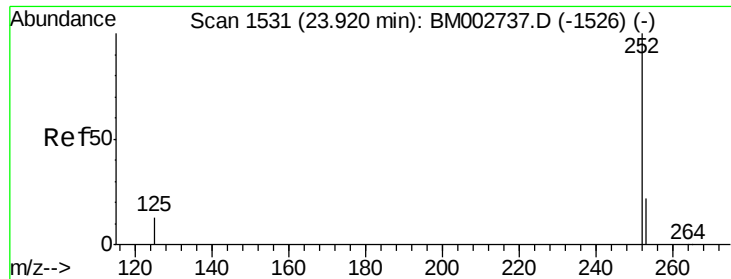
226 30.7 25.7 38.5

229 21.0 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: 21.15 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

Instrument :

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D9G73

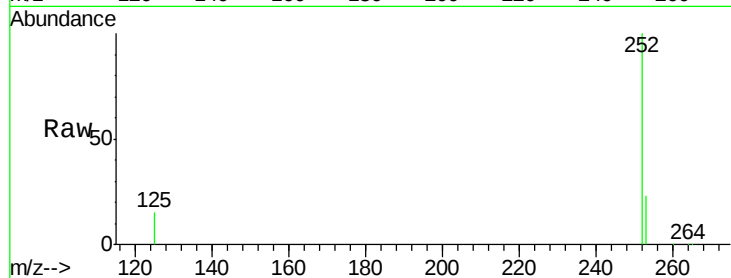
Tot Ion:252 Resp: 3744015

Ion Ratio Lower Upper

252 100

253 23.0 0.0 48.0

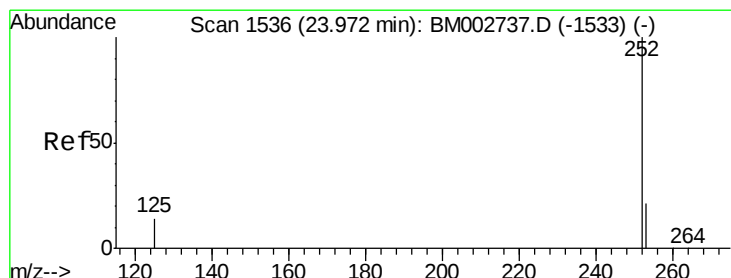
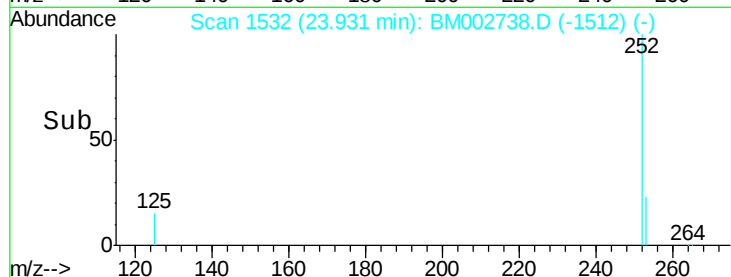
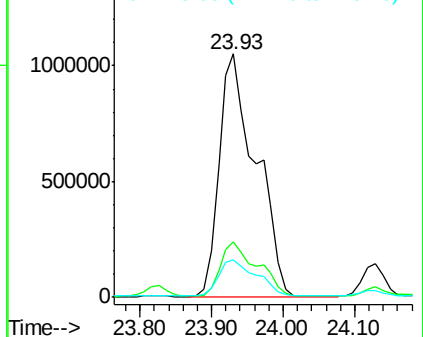
125 15.4 0.0 36.6



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: 22.83 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

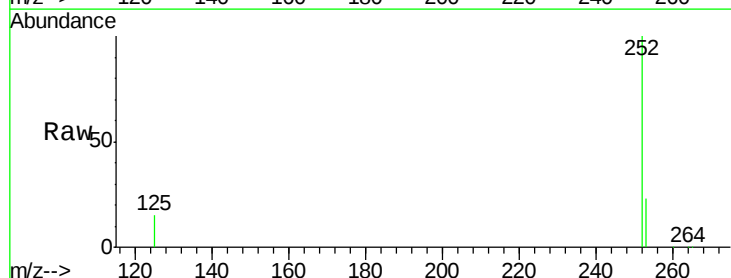
Tgt Ion:252 Resp: 3744015

Ion Ratio Lower Upper

252 100

253 23.0 20.8 31.2

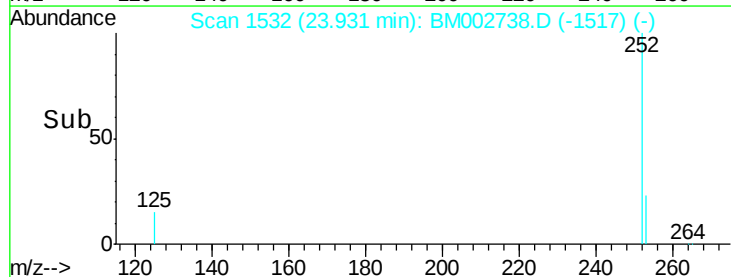
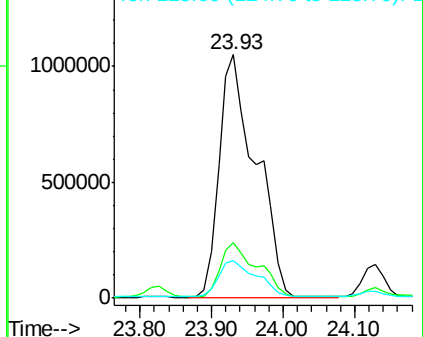
125 15.4 12.2 18.4

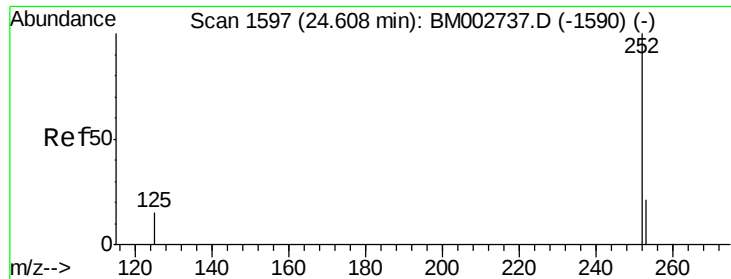


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 10.08 ng/ul

RT: 24.62 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

Instrument :

BNA_M

ClientSampleId :

D9G73

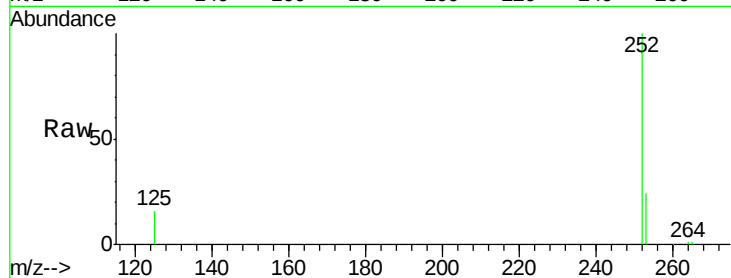
Tot Ion:252 Resp: 1643744

Ion Ratio Lower Upper

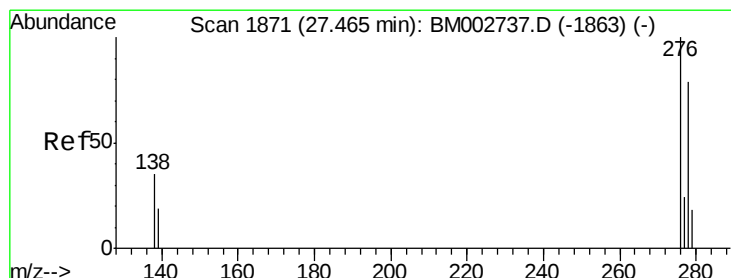
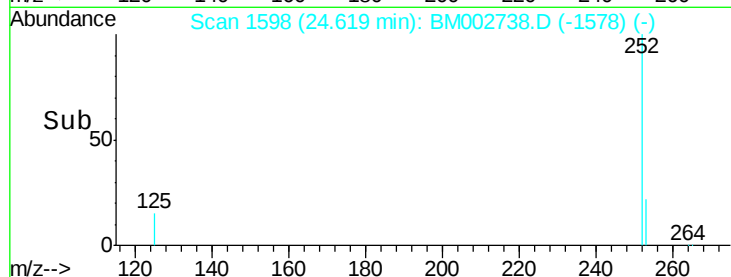
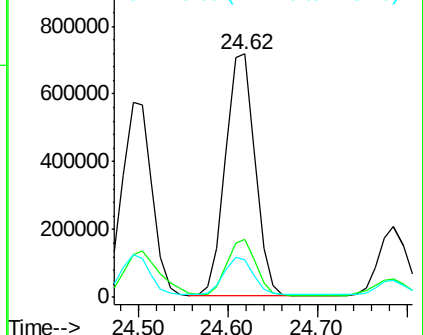
252 100

253 23.6 21.8 32.8

125 15.7 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: 7.67 ng/ul

RT: 27.47 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BM002738.D

Acq: 28 Sep 2015 17:51

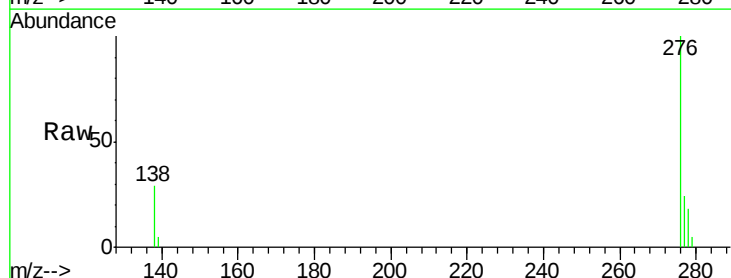
Tgt Ion:276 Resp: 1395105

Ion Ratio Lower Upper

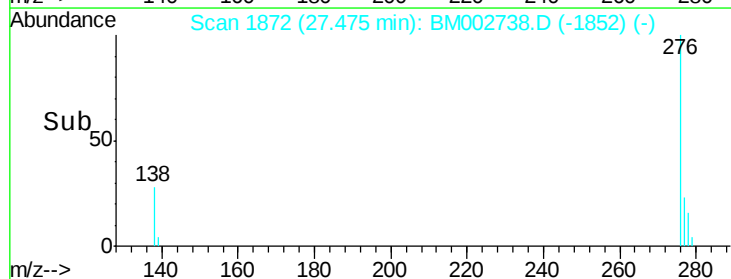
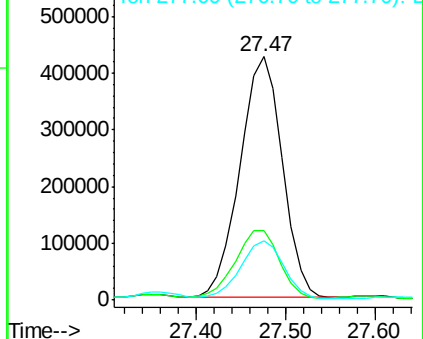
276 100

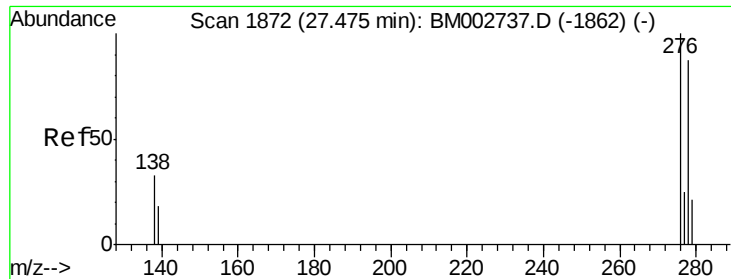
138 29.1 27.5 41.3

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



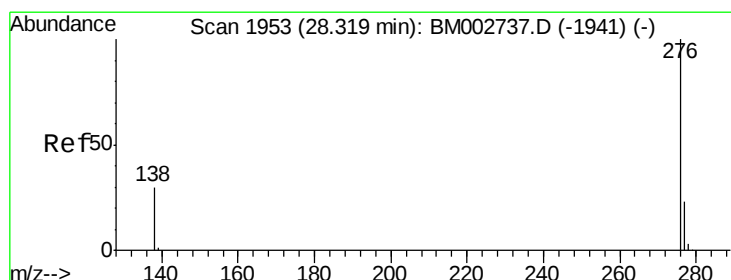
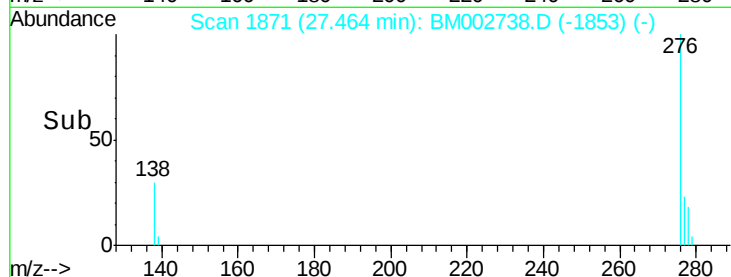
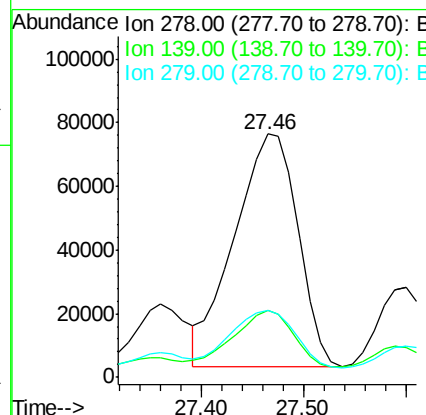
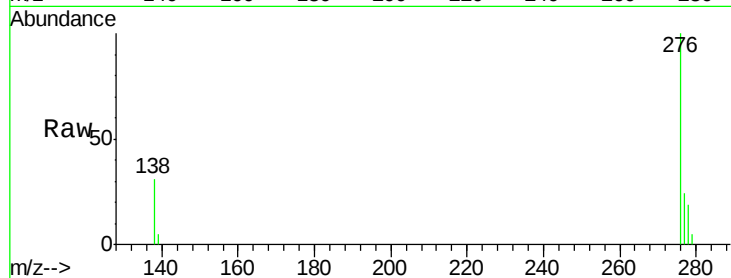


#27
Dibenzo(a,h)anthracene
Concen: 2.12 ng/ul
RT: 27.46 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BM002738.D
Acq: 28 Sep 2015 17:51

Instrument :
BNA_M
ClientSampleId :
D9G73

Tot Ion:278 Resp: 315604

Ion	Ratio	Lower	Upper
278	100		
139	27.3	21.7	32.5
279	27.6	21.9	32.9



#28
Benzo(g,h,i)perylene
Concen: 8.05 ng/ul
RT: 28.33 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BM002738.D
Acq: 28 Sep 2015 17:51

Tgt Ion:276 Resp: 1241037

Ion	Ratio	Lower	Upper
276	100		
277	24.3	21.3	31.9
138	30.8	25.5	38.3

