

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092415\
 Data File : BM002715.D
 Acq On : 24 Sep 2015 17:03
 Operator : UM/IZ
 Sample : G3741-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHAF7

Quant Time: Sep 25 02:01:24 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 : Thu Sep 24 17:00:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	12796	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	50634	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	42129	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	62002	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	54204	0.40	ng/ul	0.00
22) Perylene-d12	24.72	264	50139	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.77	96	156	0.01	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	13.13	152	38562	0.52	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	51147	0.33	ng/ul	0.00

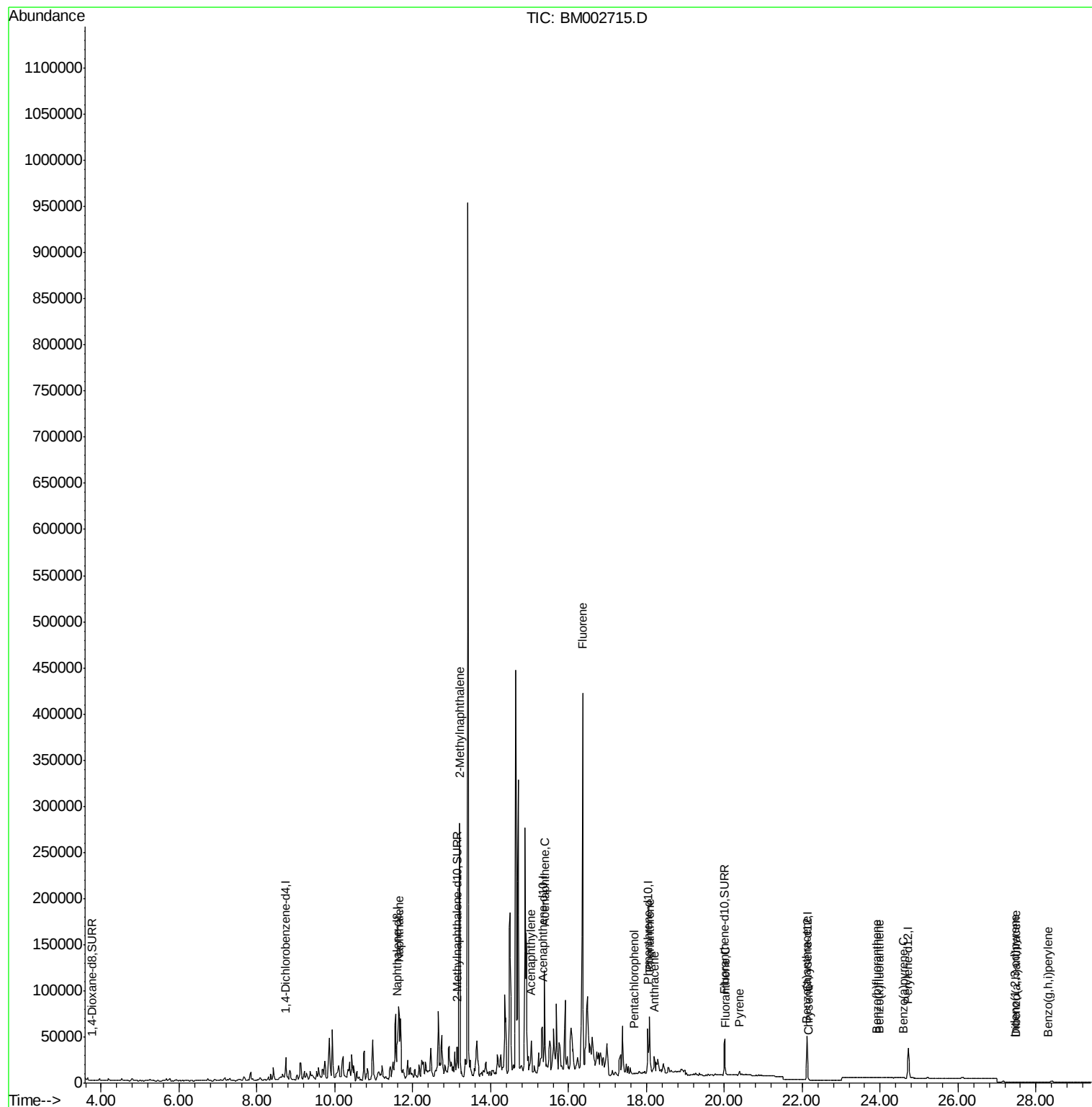
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.64	128	164384	1.20	ng/ul#	63
7) 2-Methylnaphthalene	13.20	142	218391	2.47	ng/ul	100
9) Acenaphthylene	15.04	152	18482	0.09	ng/ul#	1
10) Acenaphthene	15.38	153	64397	0.41	ng/ul	100
11) Fluorene	16.36	166	272019	1.50	ng/ul	86
13) Pentachlorophenol	17.69	266	417	0.03	ng/ul#	87
14) Phenanthrene	18.08	178	74018	0.37	ng/ul#	93
15) Anthracene	18.20	178	13666	0.07	ng/ul#	1
17) Fluoranthene	20.03	202	3028	0.01	ng/ul#	1
19) Pyrene	20.39	202	4347	0.02	ng/ul#	32
20) Benzo(a)anthracene	22.10	228	610	0.00	ng/ul#	1
21) Chrysene	22.16	228	580	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	23.92	252	299	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	23.97	252	153	0.00	ng/ul#	1
25) Benzo(a)pyrene	24.61	252	188	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.46	276	171	0.00	ng/ul#	45
27) Dibenzo(a,h)anthracene	27.47	278	136	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	28.32	276	236	0.00	ng/ul#	1

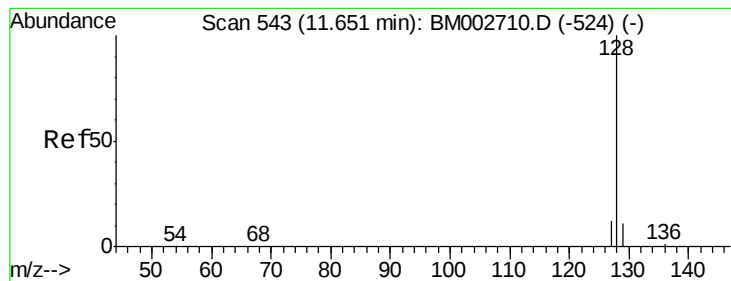
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.20 ng/ul

RT: 11.64 min Scan# 542

Delta R.T. -0.01 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

JHAF7

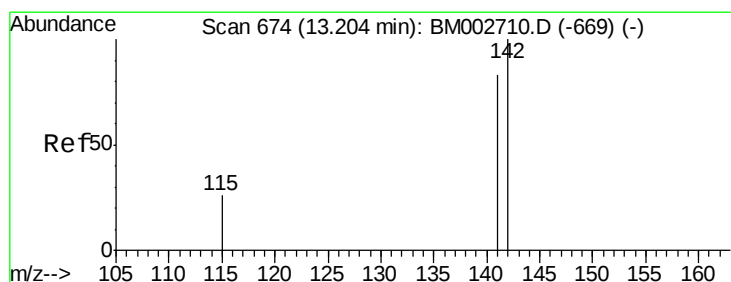
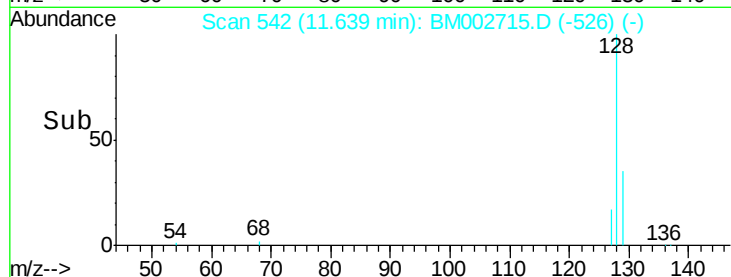
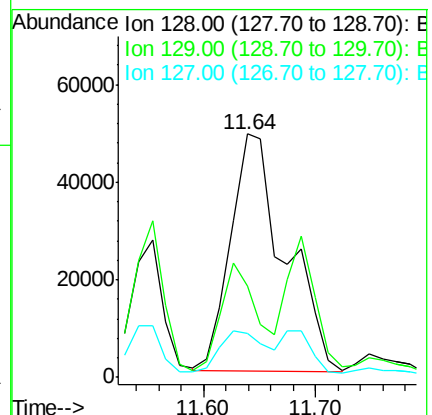
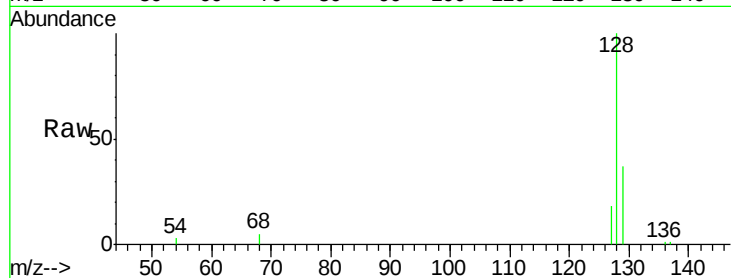
Tot Ion:128 Resp: 164384

Ion Ratio Lower Upper

128 100

129 37.4 9.8 14.8#

127 18.0 10.7 16.1#



#7

2-Methylnaphthalene

Concen: 2.47 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002715.D

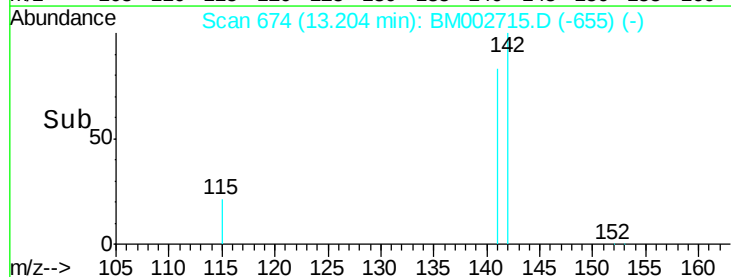
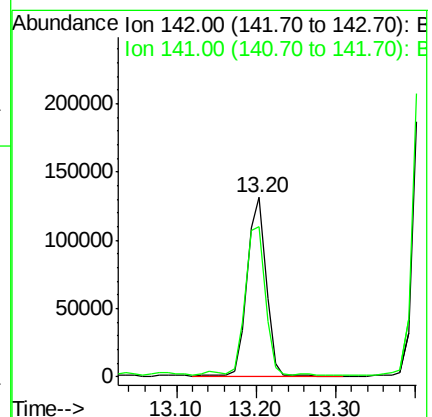
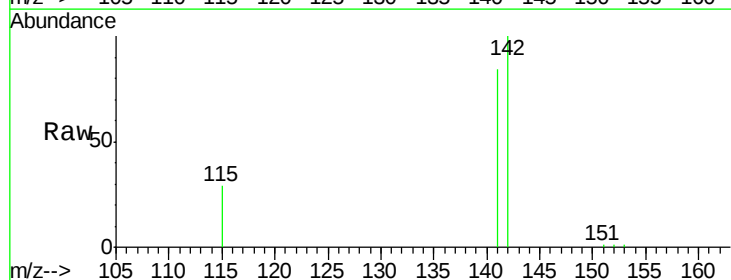
Acq: 24 Sep 2015 17:03

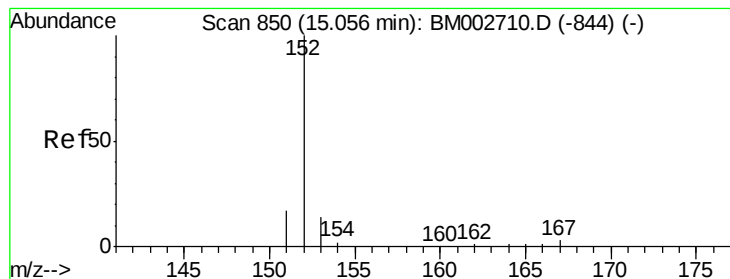
Tgt Ion:142 Resp: 218391

Ion Ratio Lower Upper

142 100

141 87.9 70.3 105.5





#9

Acenaphthylene

Concen: 0.09 ng/ul

RT: 15.04 min Scan# 849

Delta R.T. -0.02 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

JHAF7

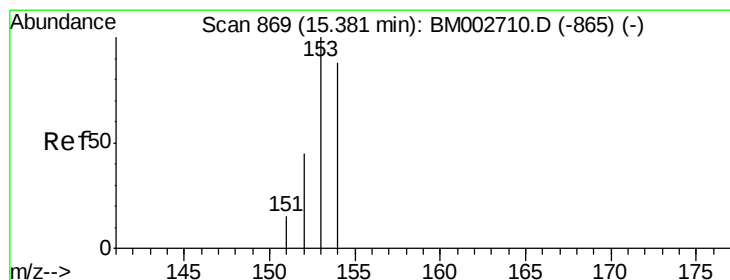
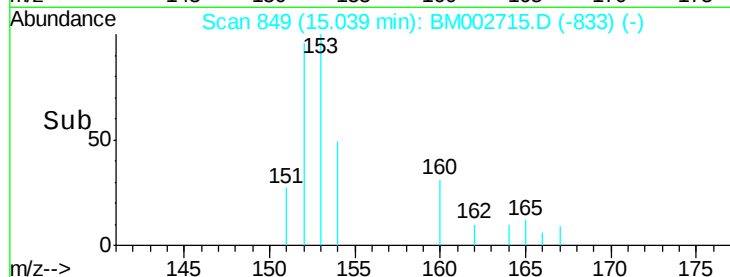
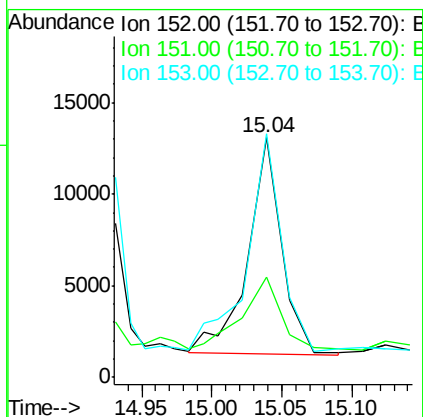
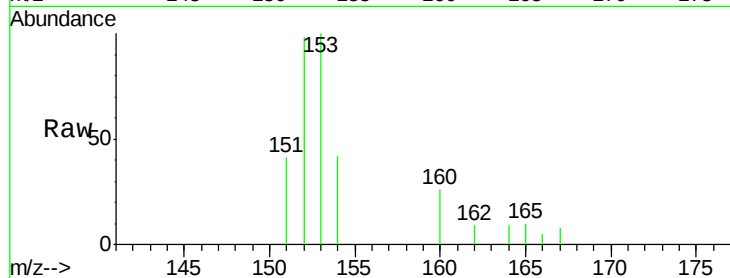
Tot Ion:152 Resp: 18482

Ion Ratio Lower Upper

152 100

151 41.7 16.8 25.2#

153 101.7 11.3 16.9#



#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

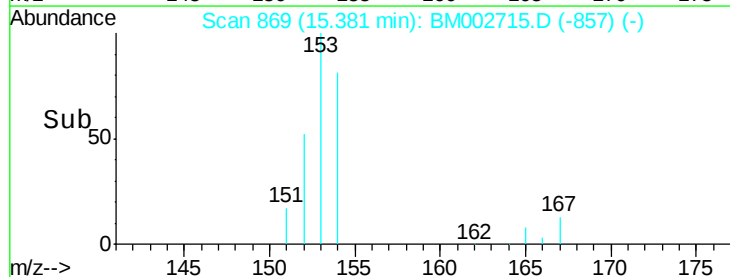
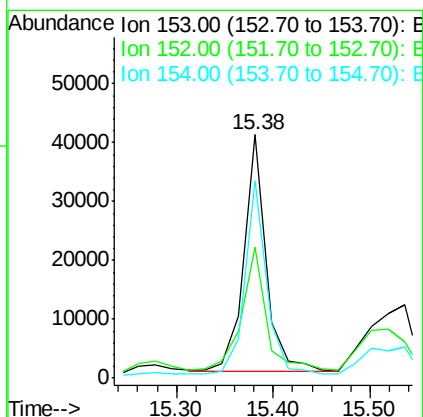
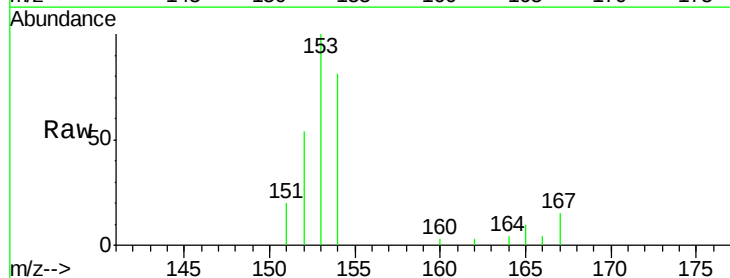
Tgt Ion:153 Resp: 64397

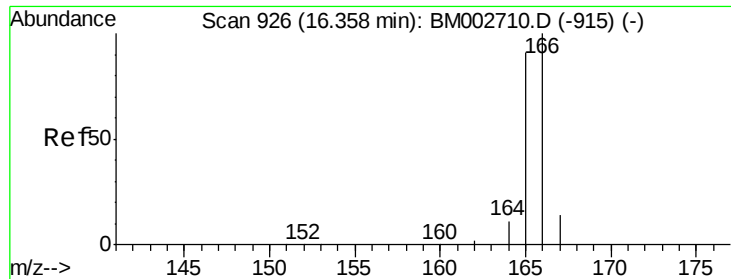
Ion Ratio Lower Upper

153 100

152 53.6 42.3 63.5

154 80.9 64.7 97.1





#11

Fluorene

Concen: 1.50 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

JHAF7

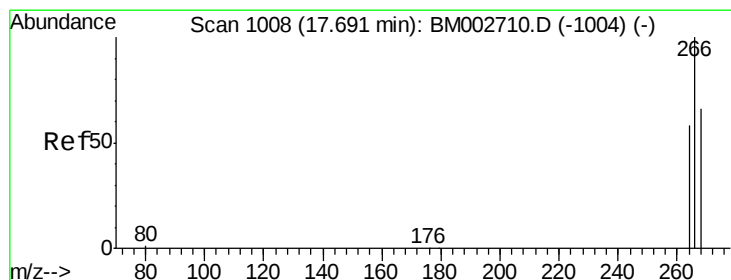
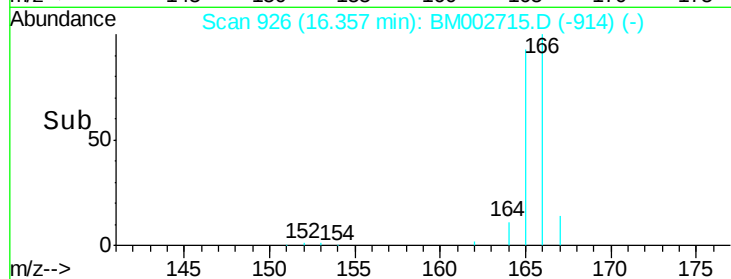
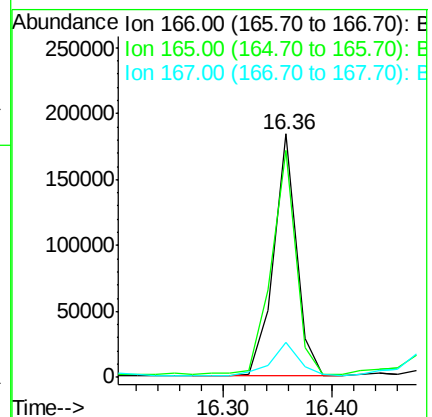
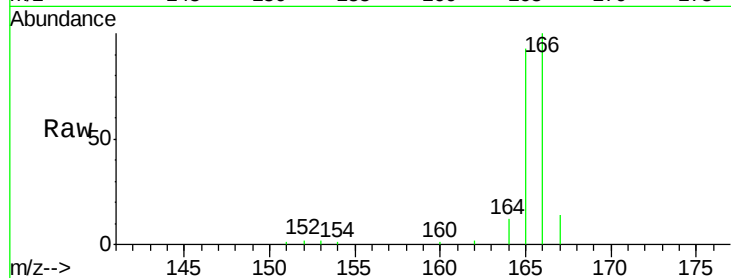
Tot Ion:166 Resp: 272019

Ion Ratio Lower Upper

166 100

165 93.2 87.6 131.4

167 14.3 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: BM002715.D

Acq: 24 Sep 2015 17:03

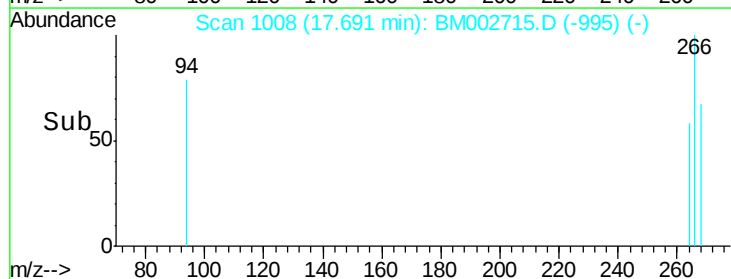
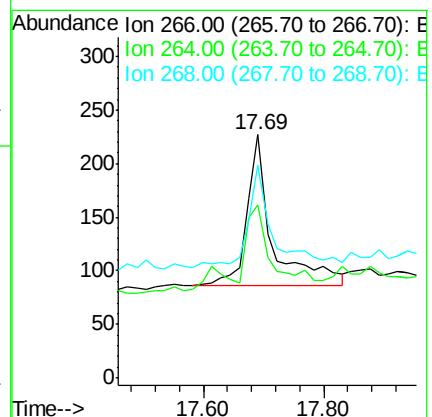
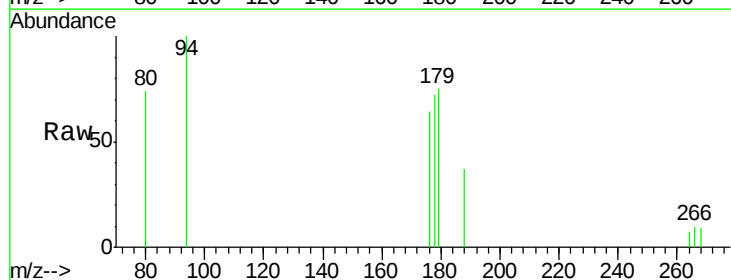
Tgt Ion:266 Resp: 417

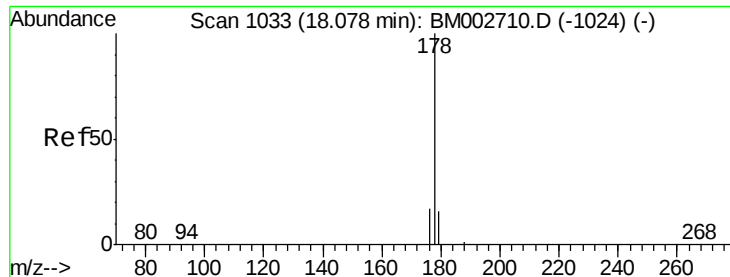
Ion Ratio Lower Upper

266 100

264 46.3 53.5 80.3#

268 66.9 54.2 81.2





#14

Phenanthrene

Concen: 0.37 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

JHAF7

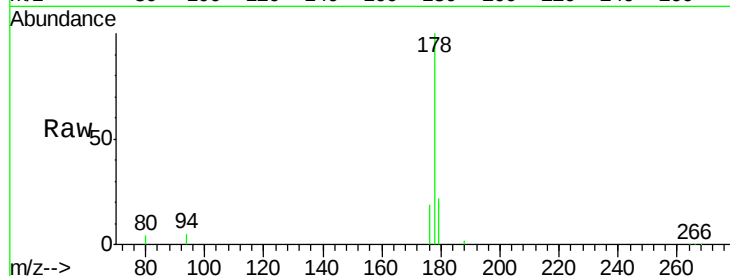
Tot Ion:178 Resp: 74018

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

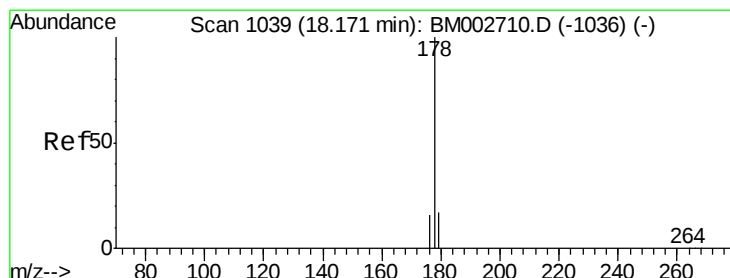
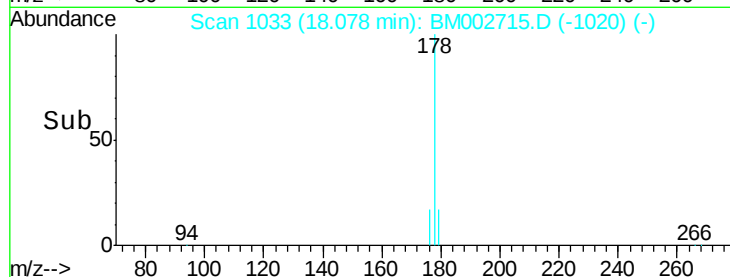
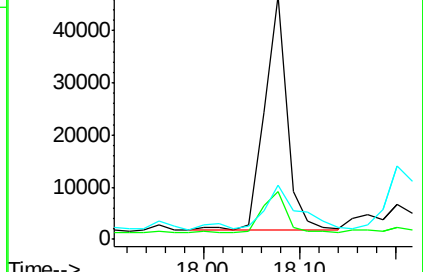
179 22.1 12.8 19.2#



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: 0.07 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.03 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

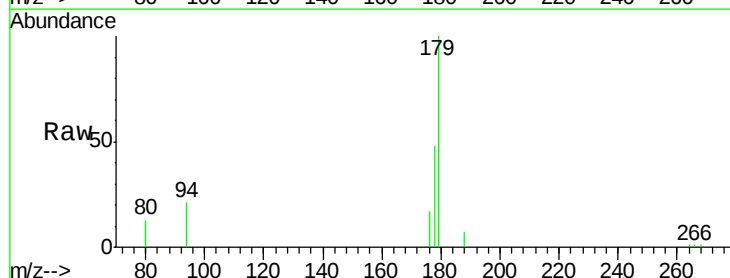
Tgt Ion:178 Resp: 13666

Ion Ratio Lower Upper

178 100

176 34.8 15.8 23.8#

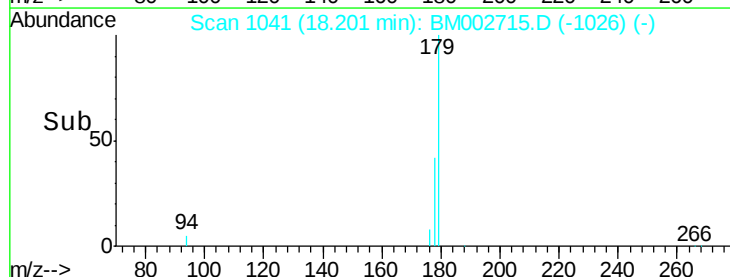
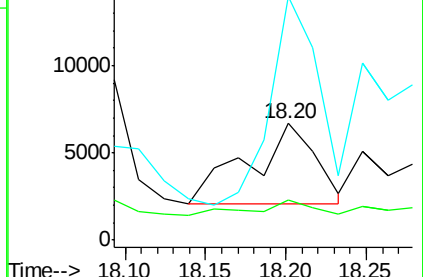
179 209.0 13.3 19.9#

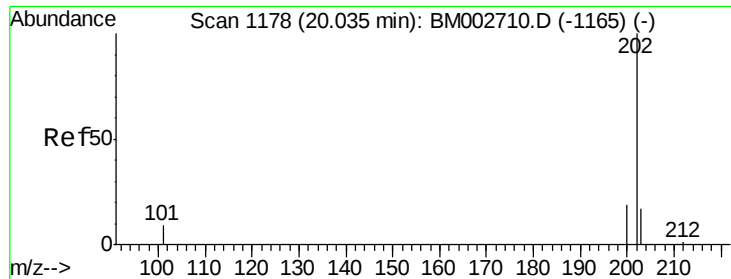


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

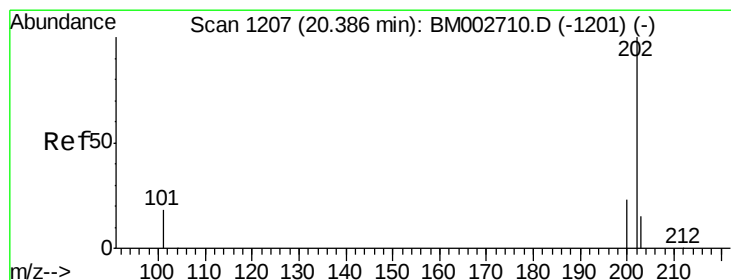
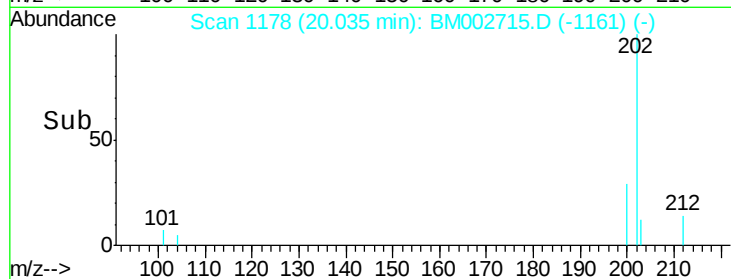
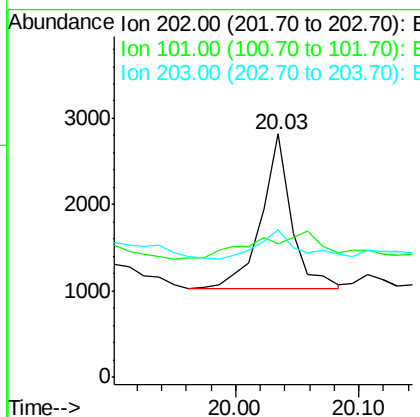
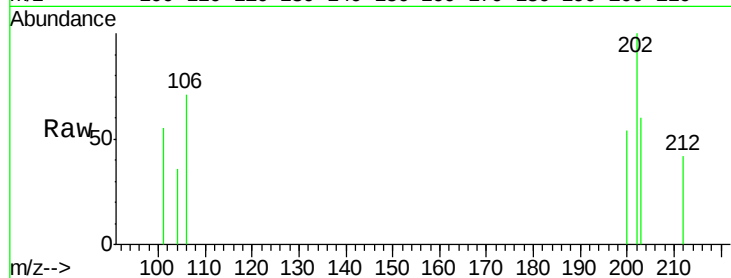




#17
Fluoranthene
Concen: 0.01 ng/ul
RT: 20.03 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BM002715.D
Acq: 24 Sep 2015 17:03

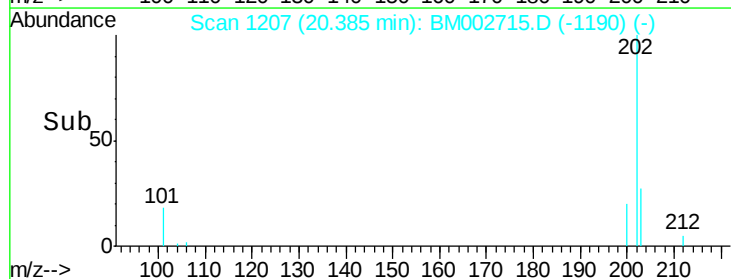
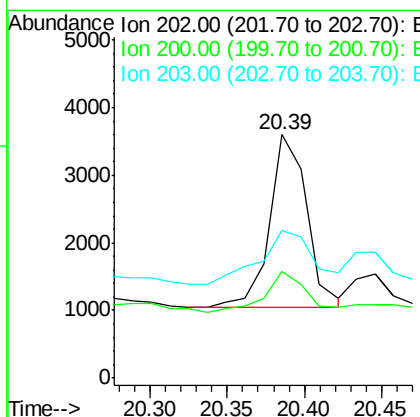
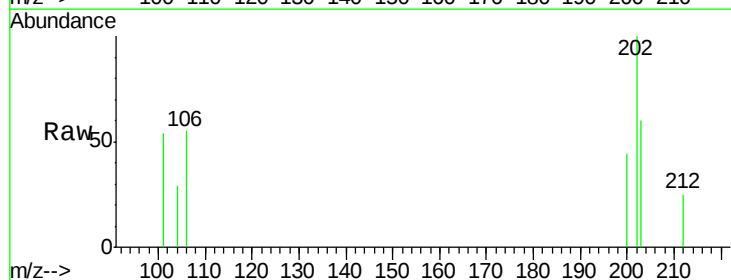
Instrument :
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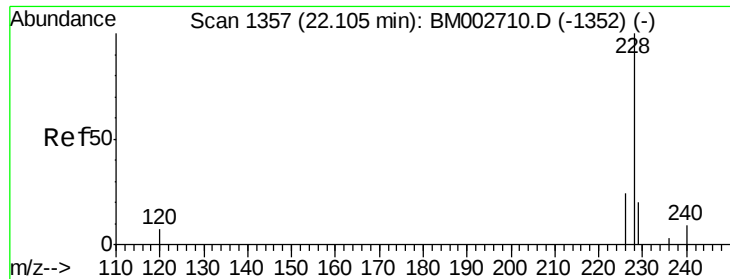
Tot Ion:202 Resp: 3028
Ion Ratio Lower Upper
202 100
101 54.9 0.0 33.1#
203 60.4 0.0 37.2#



#19
Pyrene
Concen: 0.02 ng/ul
RT: 20.39 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BM002715.D
Acq: 24 Sep 2015 17:03

Tgt Ion:202 Resp: 4347
Ion Ratio Lower Upper
202 100
200 43.9 18.0 27.0#
203 60.4 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

JHAF7

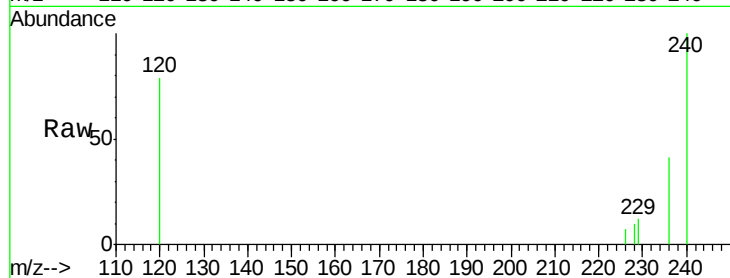
Tot Ion:228 Resp: 610

Ion Ratio Lower Upper

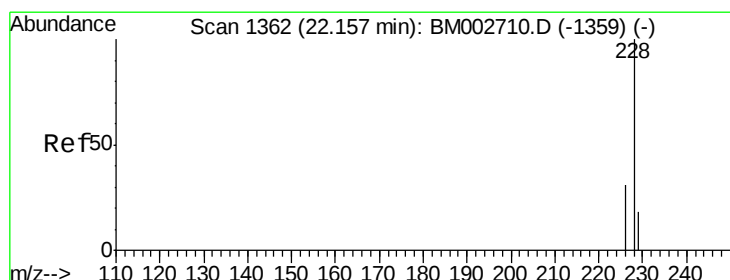
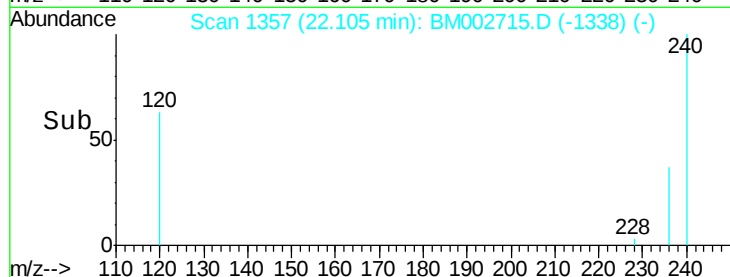
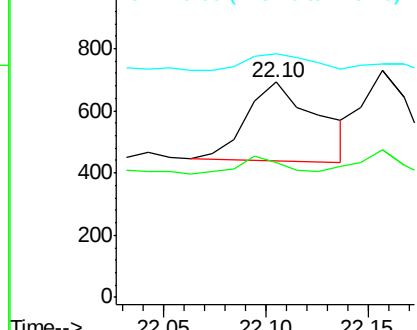
228 100

226 62.4 23.0 34.4#

229 113.2 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: 0.00 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

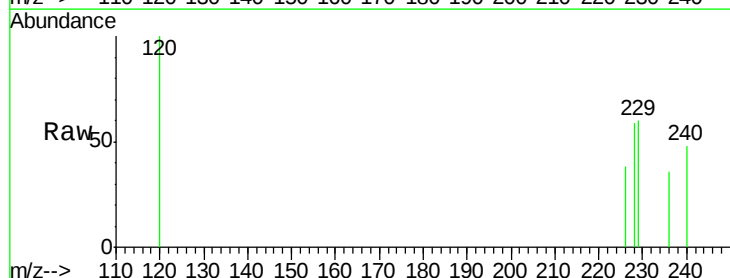
Tgt Ion:228 Resp: 580

Ion Ratio Lower Upper

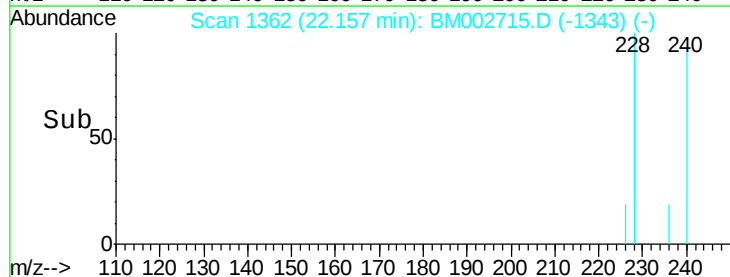
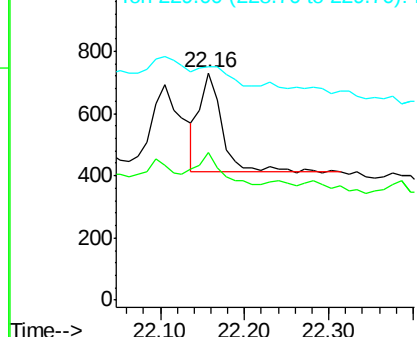
228 100

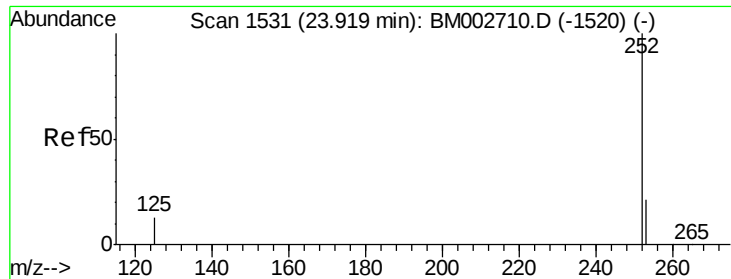
226 64.9 25.7 38.5#

229 102.5 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: 0.00 ng/u1

RT: 23.92 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

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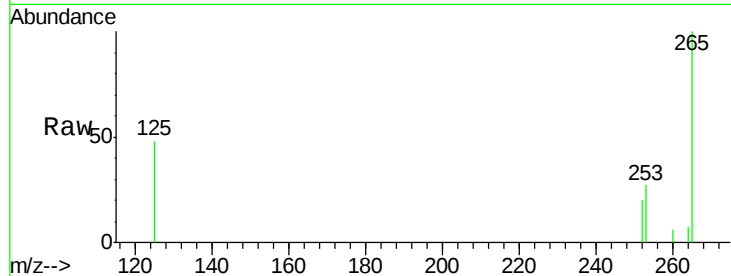
Tot Ion:252 Resp: 299

Ion Ratio Lower Upper

252 100

253 132.9 0.0 48.0#

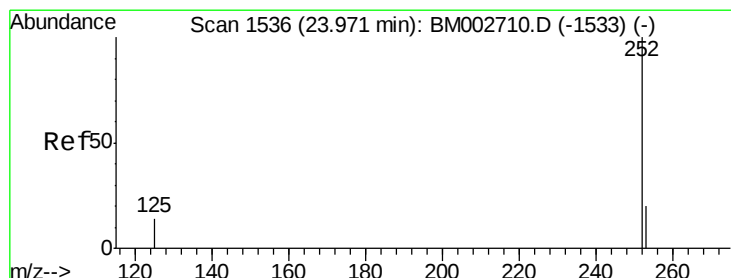
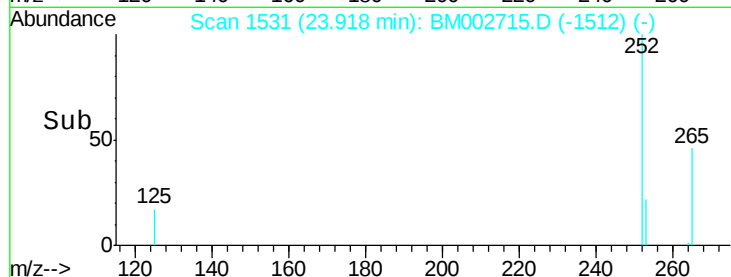
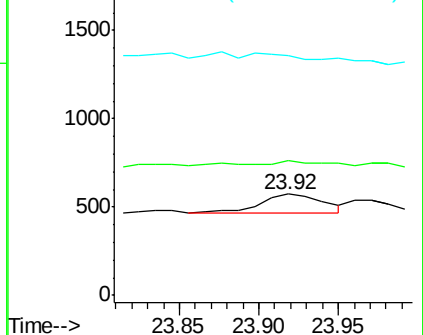
125 236.9 0.0 36.6#



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: 0.00 ng/u1

RT: 23.97 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

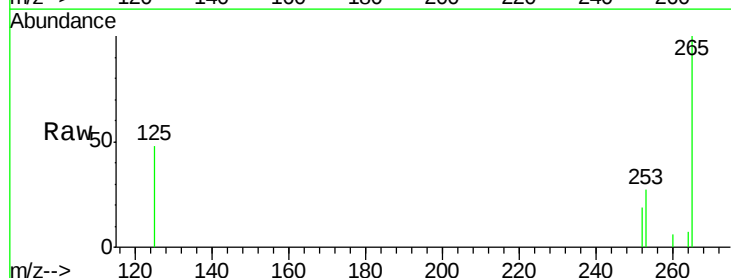
Tgt Ion:252 Resp: 153

Ion Ratio Lower Upper

252 100

253 137.9 20.8 31.2#

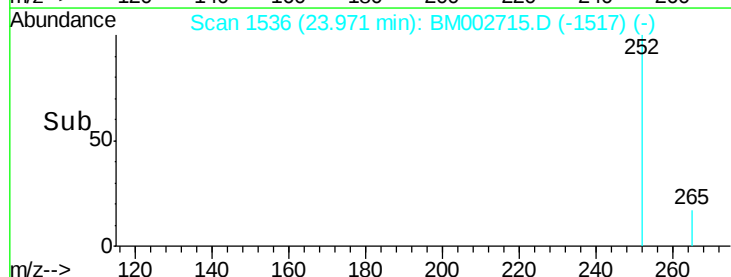
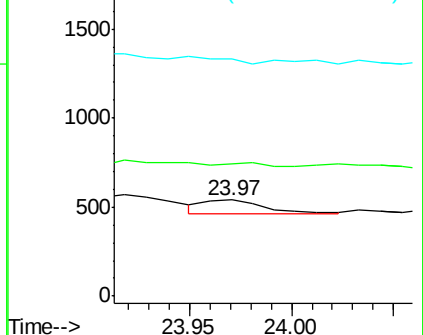
125 246.4 12.2 18.4#

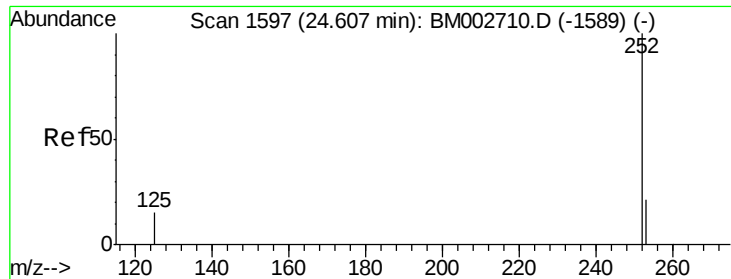


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 24.61 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

JHAF7

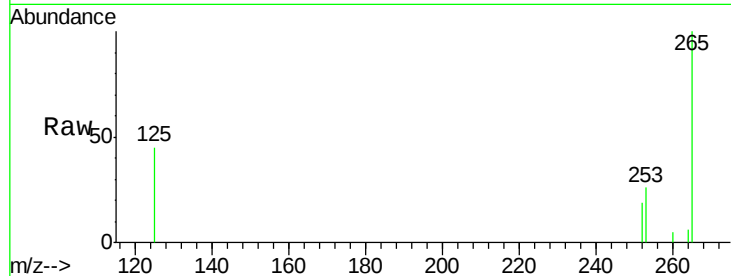
Tot Ion:252 Resp: 188

Ion Ratio Lower Upper

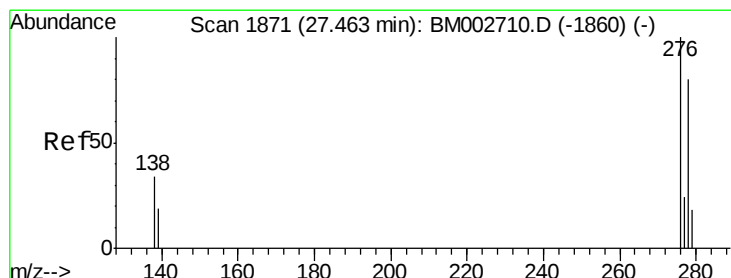
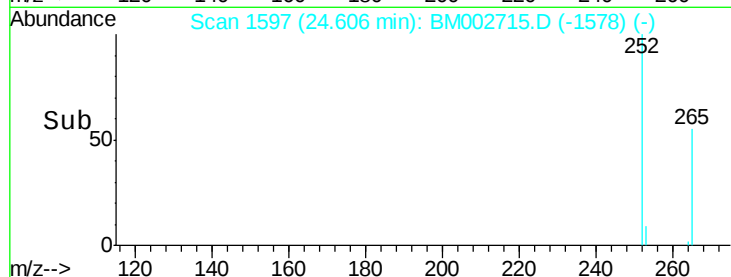
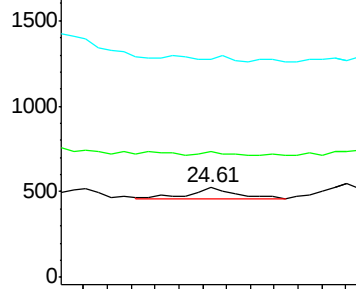
252 100

253 139.6 21.8 32.8#

125 242.1 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: 0.00 ng/ul

RT: 27.46 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

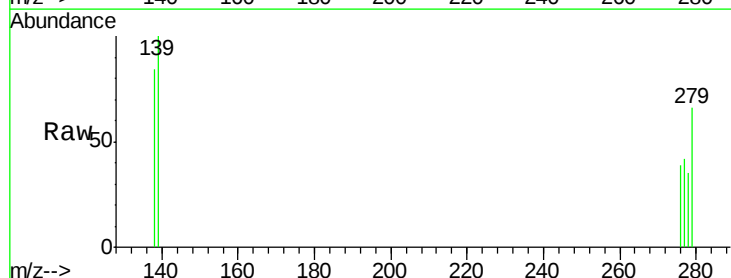
Tgt Ion:276 Resp: 171

Ion Ratio Lower Upper

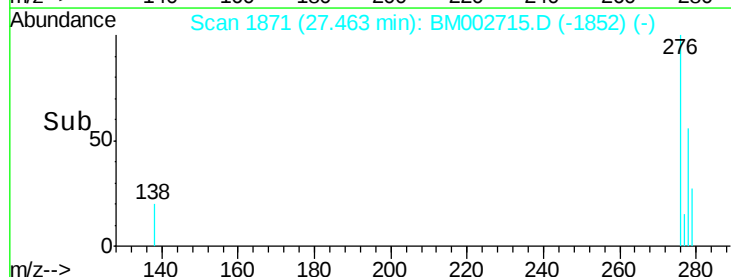
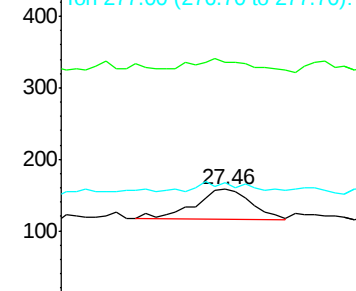
276 100

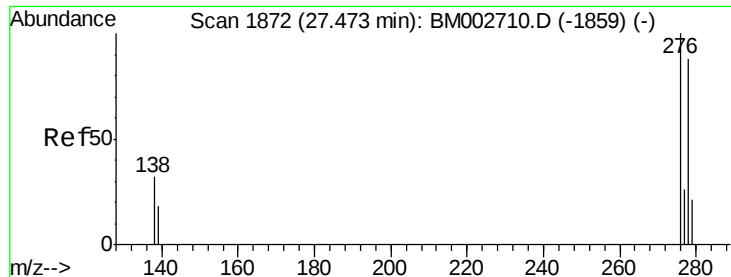
138 0.0 27.5 41.3#

277 0.0 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: 0.00 ng/ul

RT: 27.47 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

Instrument :

BNA_M

ClientSampleId :

JHAF7

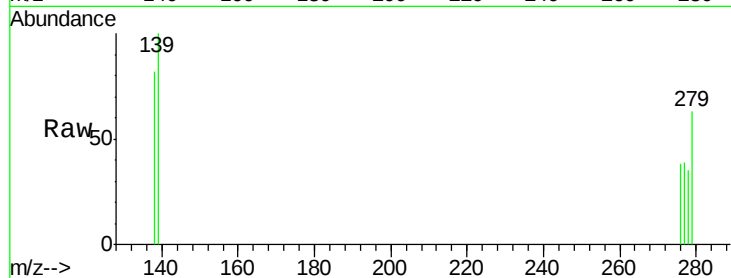
Tot Ion:278 Resp: 136

Ion Ratio Lower Upper

278 100

139 287.3 21.7 32.5#

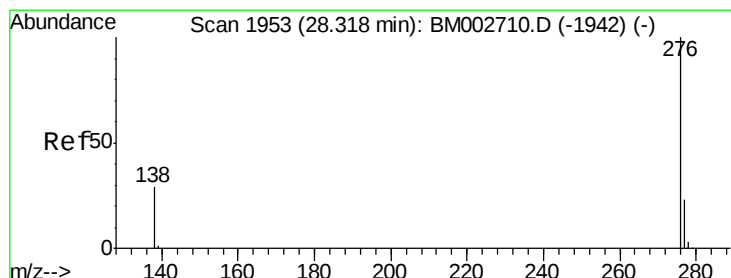
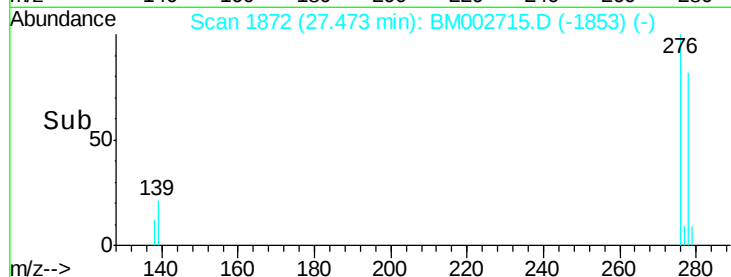
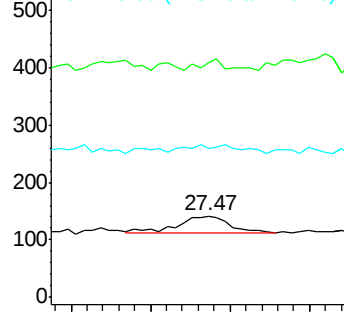
279 182.4 21.9 32.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 28.32 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BM002715.D

Acq: 24 Sep 2015 17:03

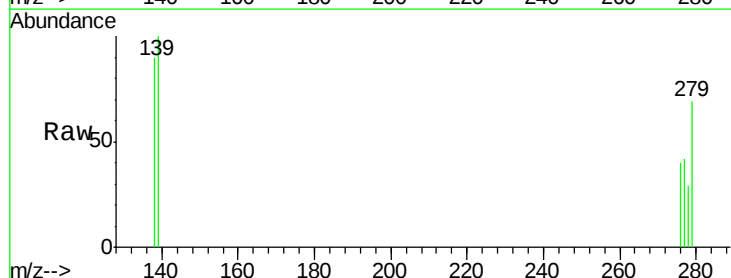
Tgt Ion:276 Resp: 236

Ion Ratio Lower Upper

276 100

277 105.9 21.3 31.9#

138 226.8 25.5 38.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

