

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002958.D
 Acq On : 21 Oct 2015 21:37
 Operator : UM/IZ
 Sample : G4075-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J1

Quant Time: Oct 22 12:04:18 2015

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 21 16:23:48 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	4102	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	19413	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	11971	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1899238	0.40	ng/ul	0.08
18) Chrysene-d12	22.04	240	29027	0.40	ng/ul	0.00
22) Perylene-d12	24.61	264	31609	0.40	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.71	96	19849	4.53	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.05	152	9458	0.29	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	24252	0.00	ng/ul	0.00

Target Compounds

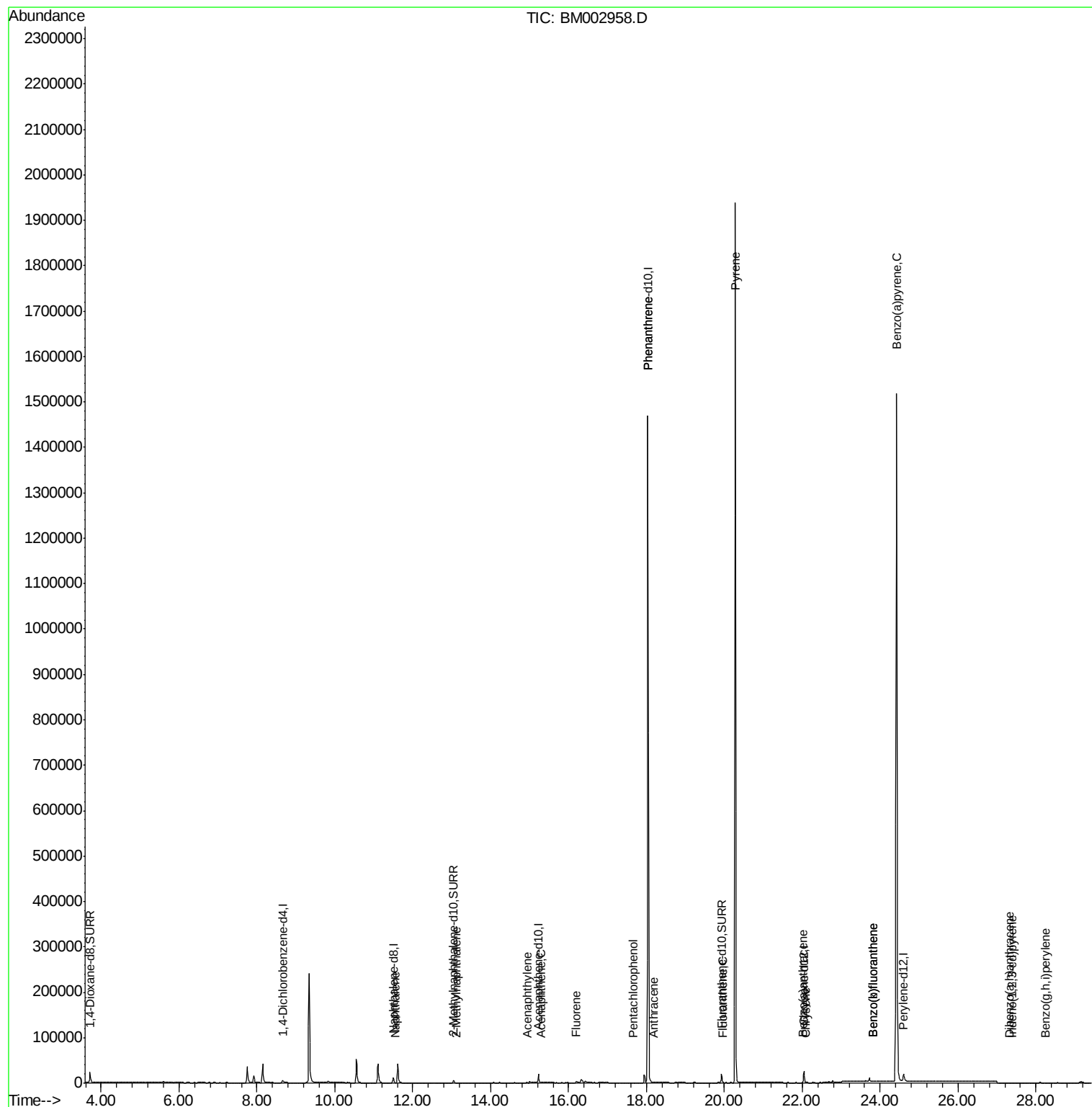
					Qvalue
5) Naphthalene	11.54	128	177	0.00 ng/ul#	1
7) 2-Methylnaphthalene	13.12	142	276	0.01 ng/ul#	5
9) Acenaphthylene	14.93	152	210	0.00 ng/ul#	1
10) Acenaphthene	15.30	153	73	0.00 ng/ul#	48
11) Fluorene	16.20	166	3138	0.06 ng/ul#	8
13) Pentachlorophenol	17.66	266	34	0.00 ng/ul#	31
14) Phenanthrene	18.03	178	901	0.00 ng/ul#	1
15) Anthracene	18.19	178	44	0.00 ng/ul#	1
17) Fluoranthene	19.96	202	1266	0.00 ng/ul	57
19) Pyrene	20.28	202	4467	0.04 ng/ul#	1
20) Benzo(a)anthracene	22.02	228	631	0.01 ng/ul#	49
21) Chrysene	22.08	228	850	0.01 ng/ul#	60
23) Benzo(b)fluoranthene	23.82	252	693	0.01 ng/ul#	1
24) Benzo(k)fluoranthene	23.82	252	684	0.01 ng/ul#	1
25) Benzo(a)pyrene	24.42	252	8885	0.08 ng/ul#	68
26) Indeno(1,2,3-cd)pyrene	27.38	276	243	0.00 ng/ul#	80
27) Dibenzo(a,h)anthracene	27.33	278	108	0.00 ng/ul#	1
28) Benzo(g,h,i)perylene	28.23	276	225	0.00 ng/ul#	1

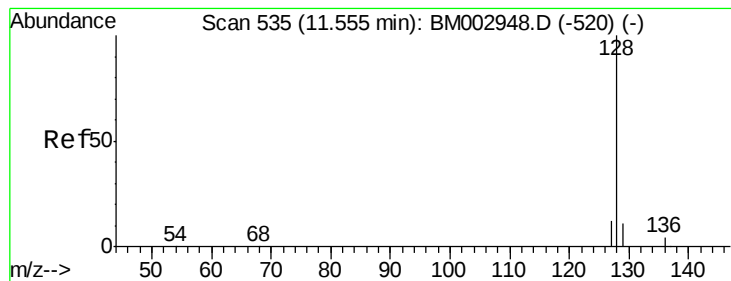
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampled :

JG9J1

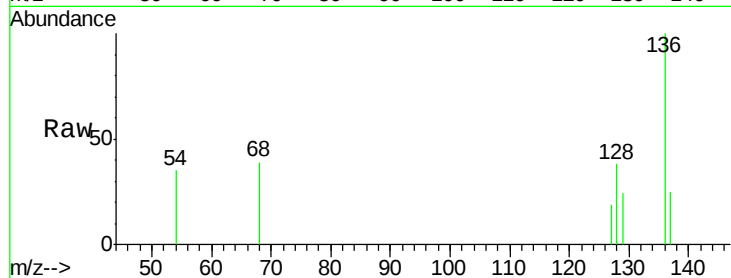
Tgt Ion:128 Resp: 177

Ion Ratio Lower Upper

128 100

129 64.7 9.8 14.8#

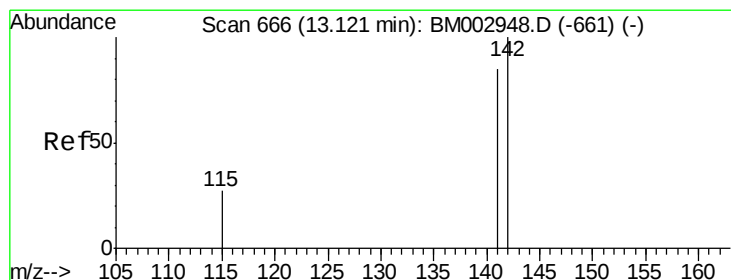
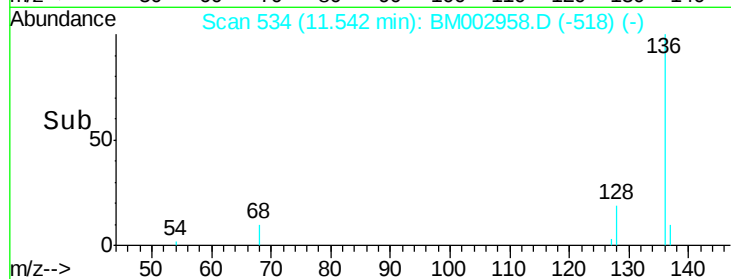
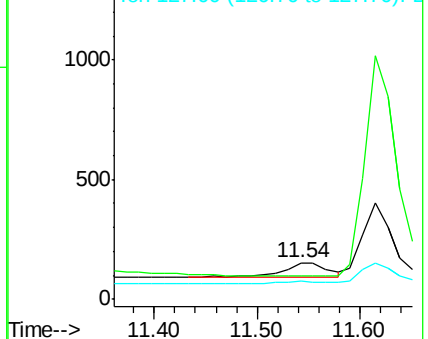
127 49.7 10.7 16.1#



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: 0.01 ng/ul

RT: 13.12 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM002958.D

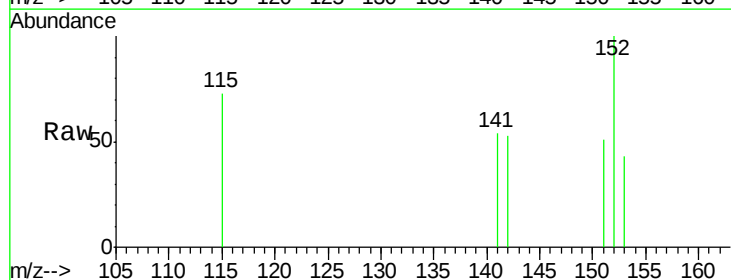
Acq: 21 Oct 2015 21:37

Tgt Ion:142 Resp: 276

Ion Ratio Lower Upper

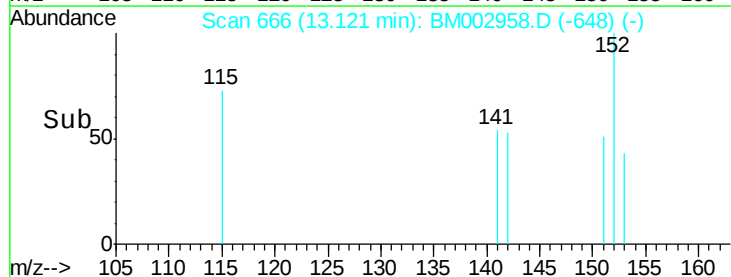
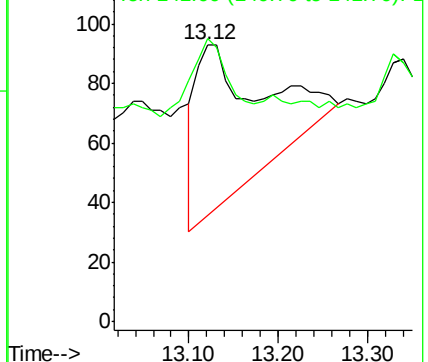
142 100

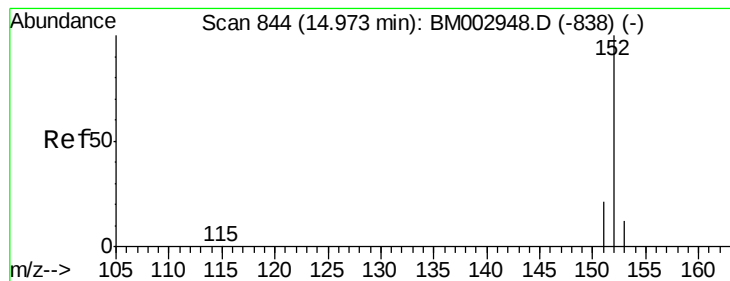
141 0.0 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.93 min Scan# 840

Delta R.T. -0.04 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampled :

JG9J1

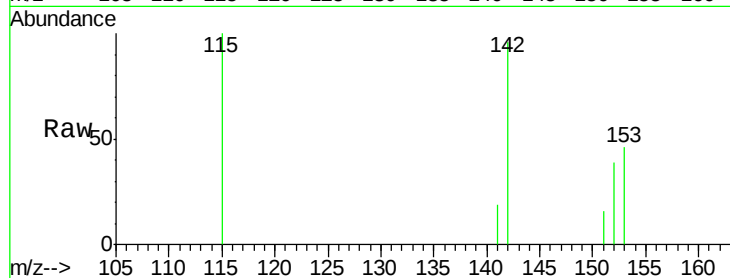
Tgt Ion:152 Resp: 210

Ion Ratio Lower Upper

152 100

151 42.5 16.8 25.2#

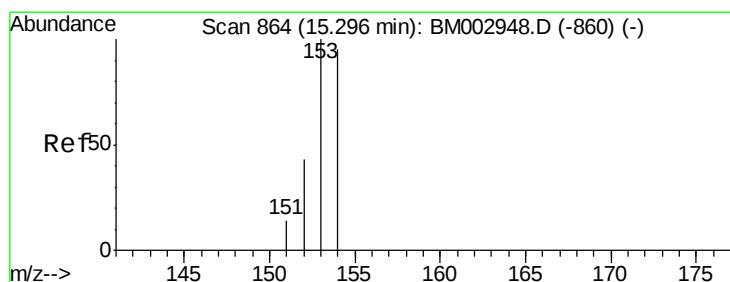
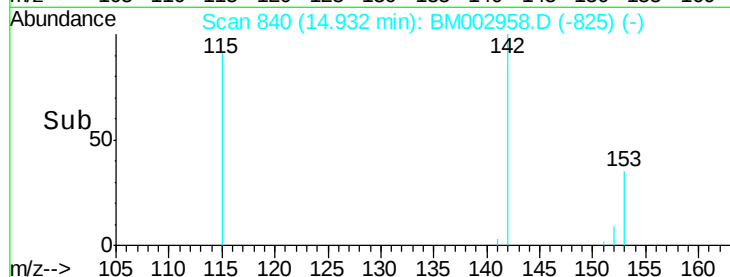
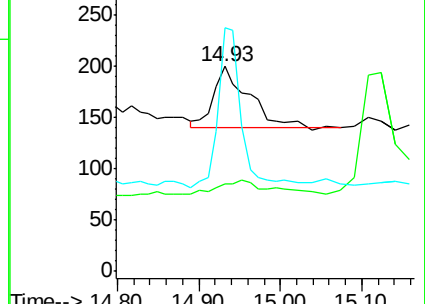
153 119.0 11.3 16.9#



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: 0.00 ng/ul

RT: 15.30 min Scan# 864

Delta R.T. -0.00 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

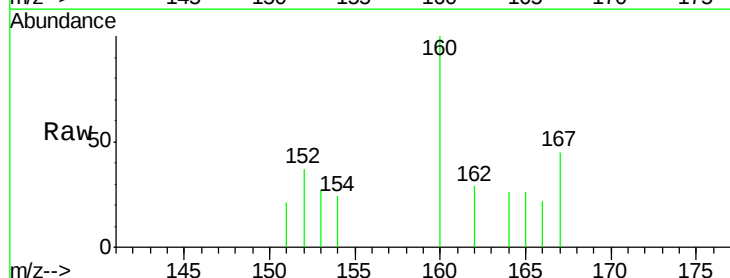
Tgt Ion:153 Resp: 73

Ion Ratio Lower Upper

153 100

152 138.3 42.3 63.5#

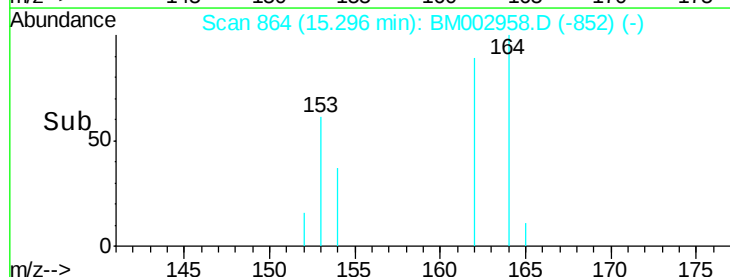
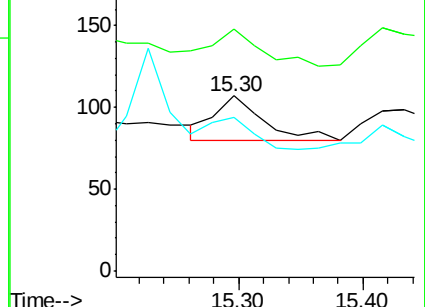
154 87.9 64.7 97.1

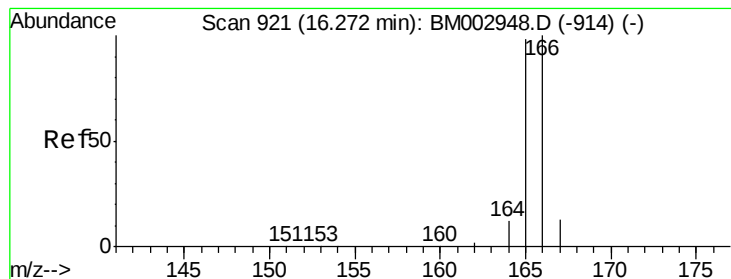


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.06 ng/ul

RT: 16.20 min Scan# 917

Delta R.T. -0.07 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampleId :

JG9J1

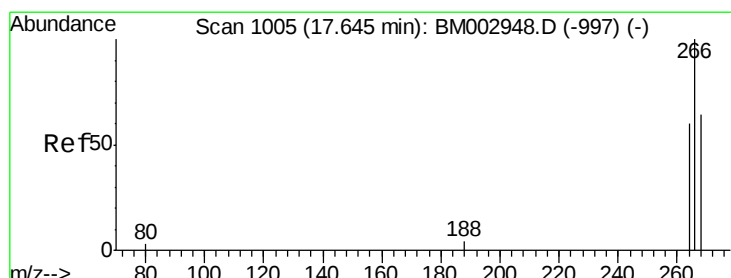
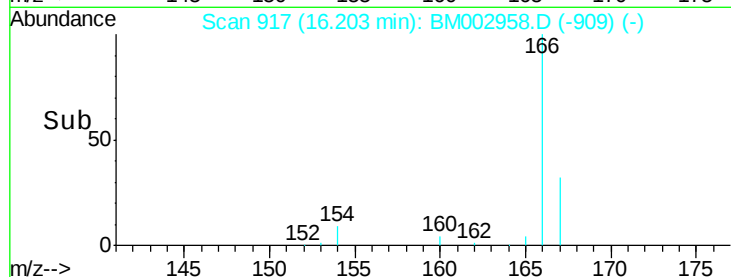
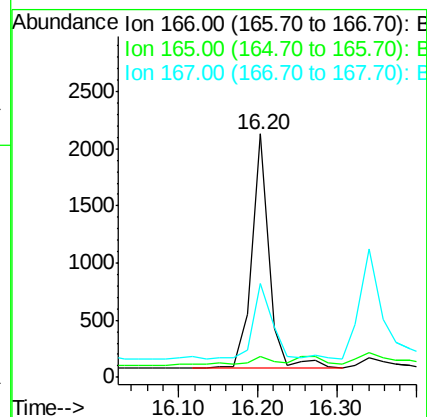
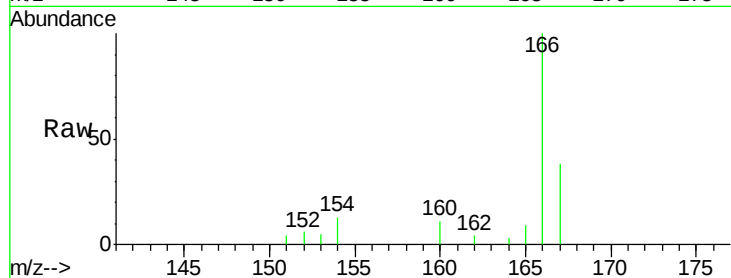
Tgt Ion:166 Resp: 3138

Ion Ratio Lower Upper

166 100

165 8.5 87.6 131.4#

167 38.3 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.66 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

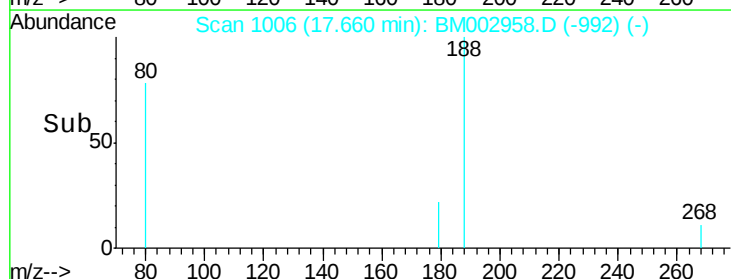
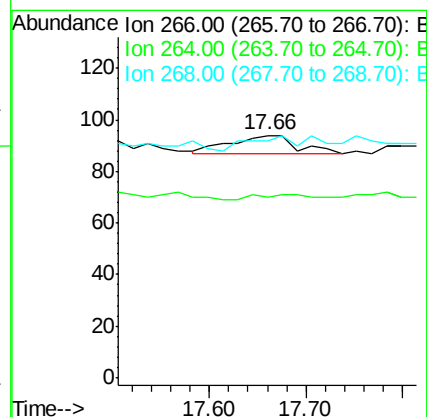
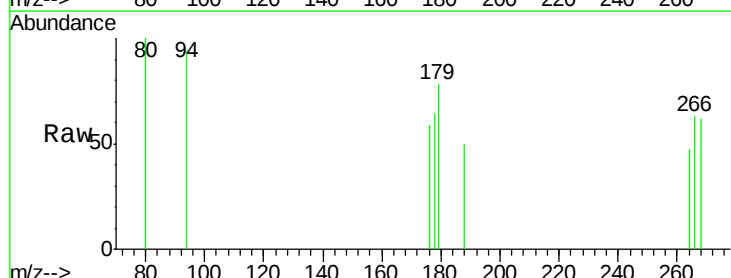
Tgt Ion:266 Resp: 34

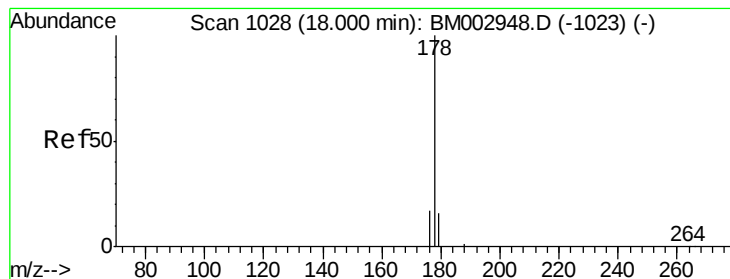
Ion Ratio Lower Upper

266 100

264 23.5 53.5 80.3#

268 0.0 54.2 81.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.03 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampleId :

JG9J1

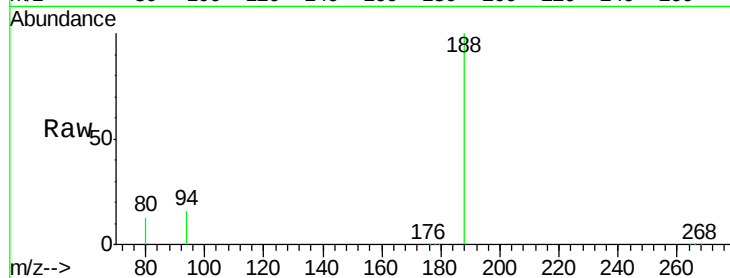
Tgt Ion:178 Resp: 901

Ion Ratio Lower Upper

178 100

176 17.4 16.2 24.4

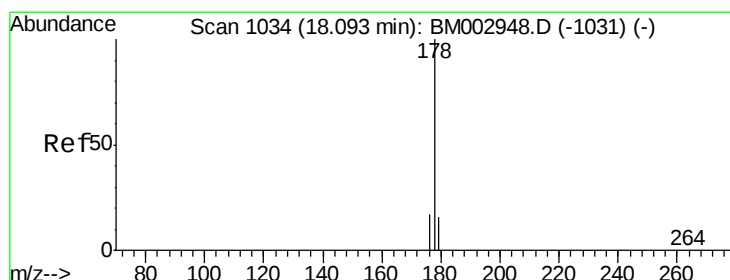
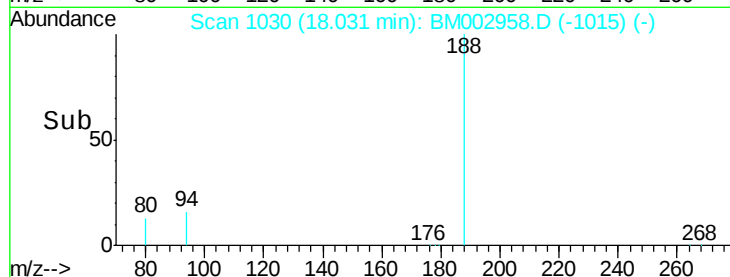
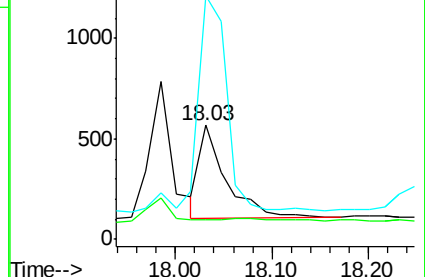
179 213.2 12.8 19.2#



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: 0.00 ng/ul

RT: 18.19 min Scan# 1040

Delta R.T. 0.09 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

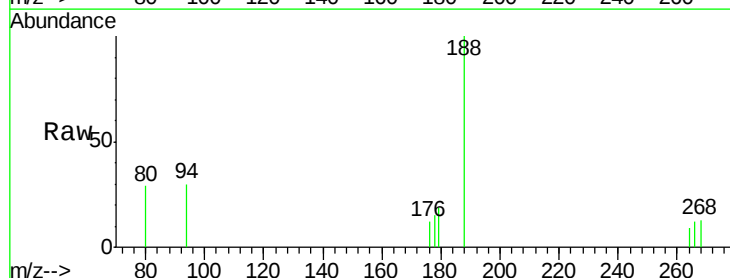
Tgt Ion:178 Resp: 44

Ion Ratio Lower Upper

178 100

176 83.6 15.8 23.8#

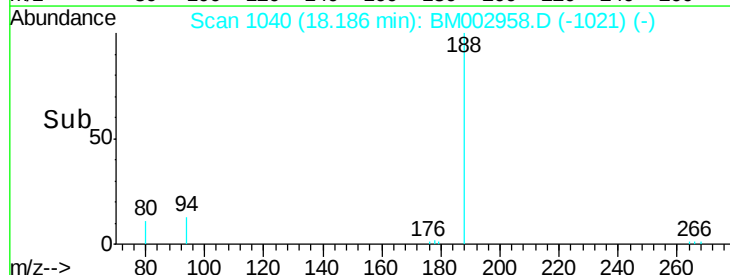
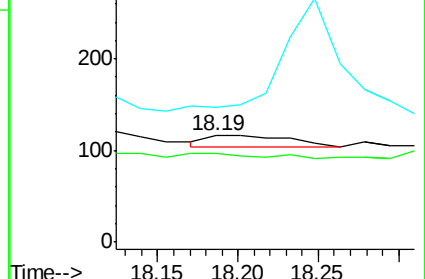
179 126.7 13.3 19.9#

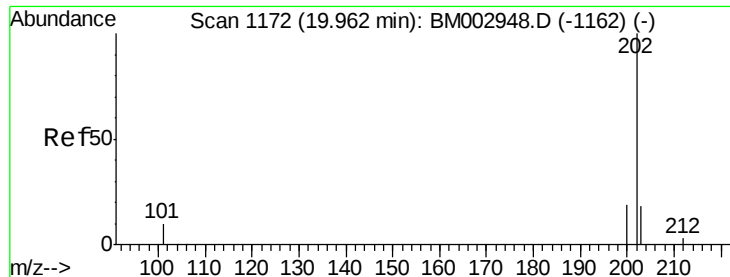


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

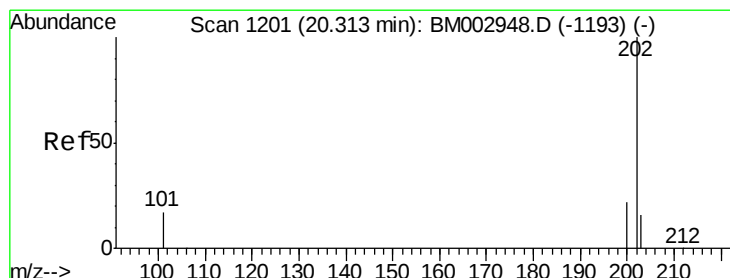
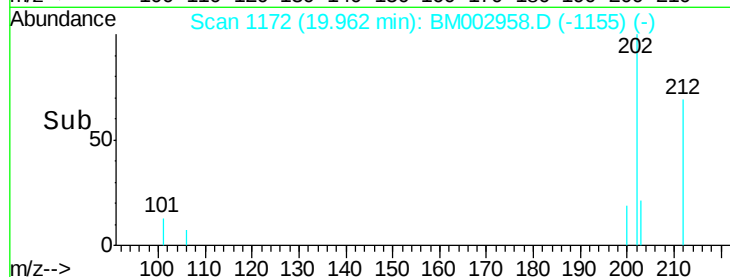
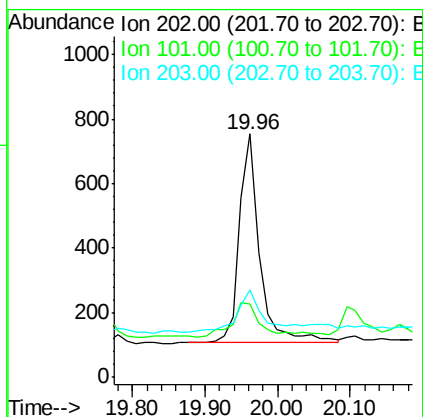
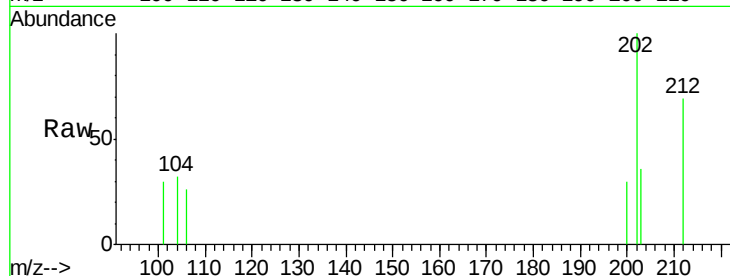




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.96 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BM002958.D
 Acq: 21 Oct 2015 21:37

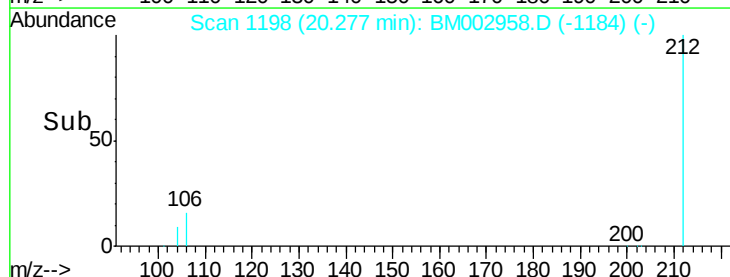
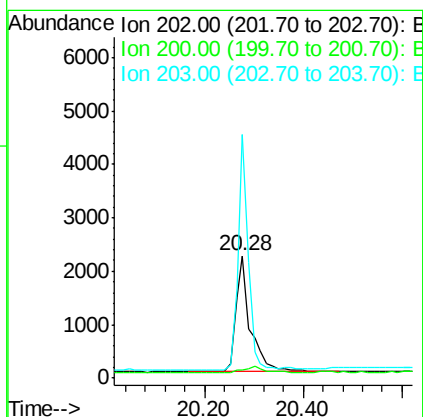
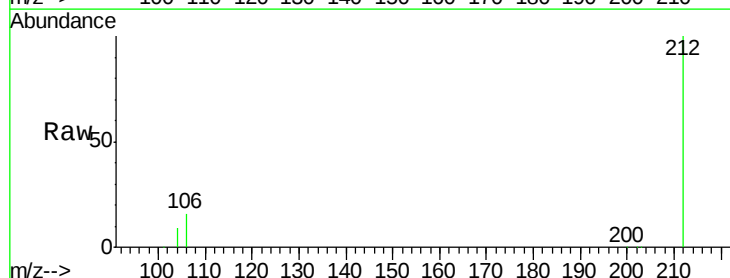
Instrument :
 BNA_M
 ClientSampleId :
 JG9J1

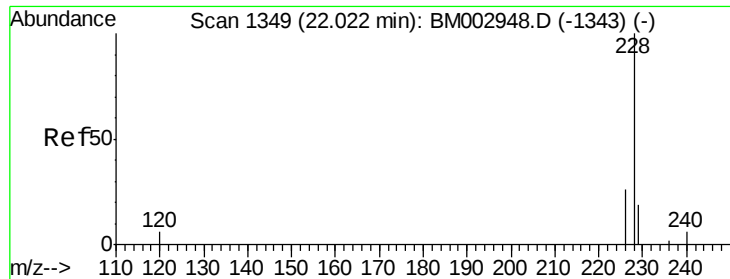
Tgt Ion:202 Resp: 1266
 Ion Ratio Lower Upper
 202 100
 101 30.2 0.0 33.1
 203 36.1 0.0 37.2



#19
Pyrene
 Concen: 0.04 ng/ul
 RT: 20.28 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: BM002958.D
 Acq: 21 Oct 2015 21:37

Tgt Ion:202 Resp: 4467
 Ion Ratio Lower Upper
 202 100
 200 7.0 18.0 27.0#
 203 199.3 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 22.02 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampleId :

JG9J1

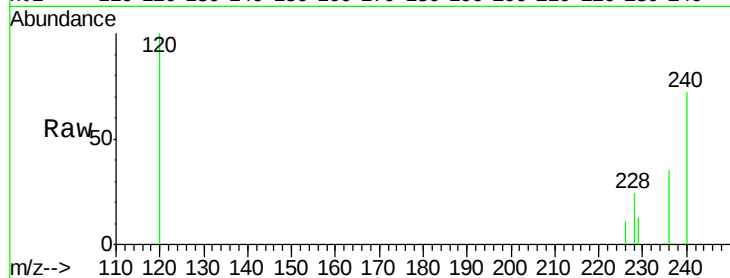
Tgt Ion:228 Resp: 631

Ion Ratio Lower Upper

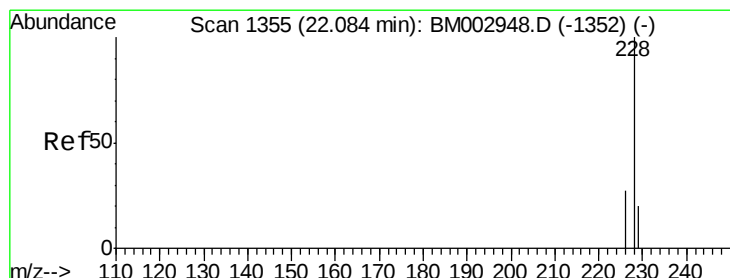
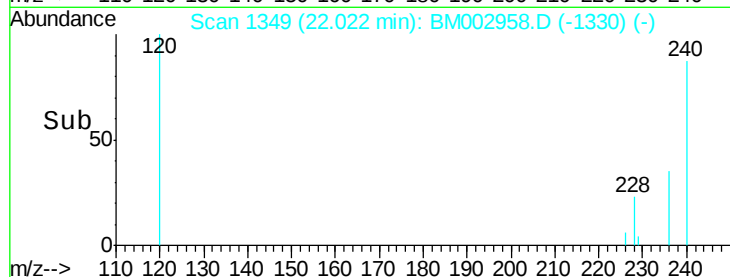
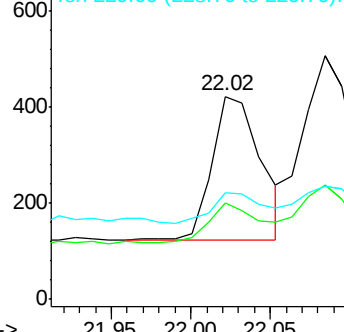
228 100

226 47.3 23.0 34.4#

229 52.5 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



#21

Chrysene

Concen: 0.01 ng/ul

RT: 22.08 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

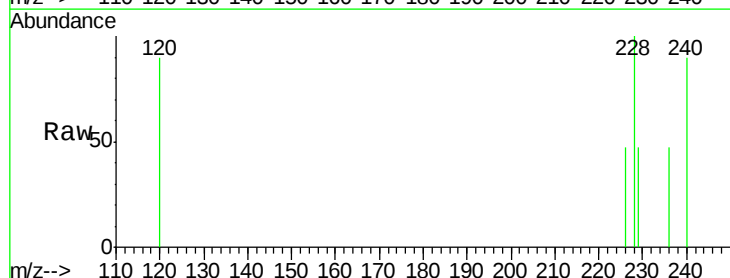
Tgt Ion:228 Resp: 850

Ion Ratio Lower Upper

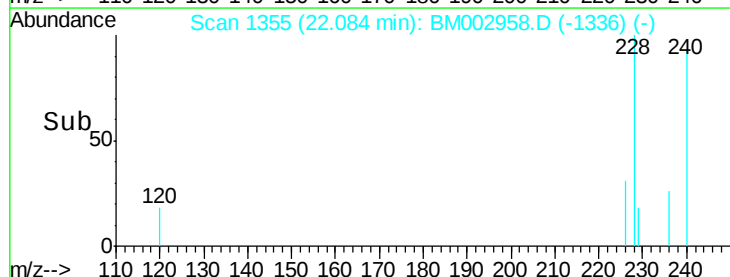
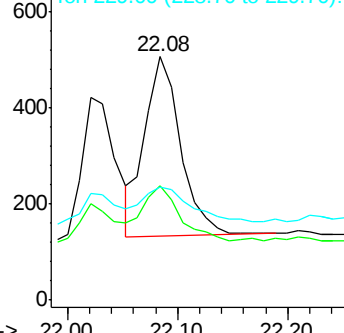
228 100

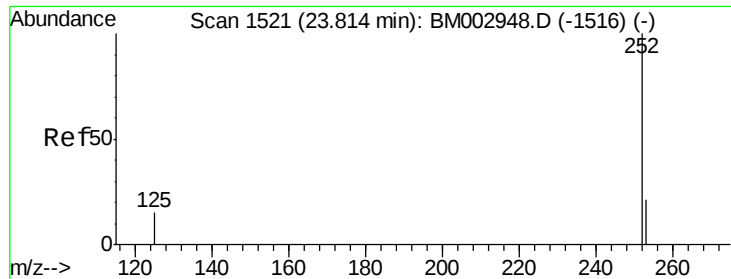
226 47.1 25.7 38.5#

229 46.5 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: 0.01 ng/ul

RT: 23.82 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampleId :

JG9J1

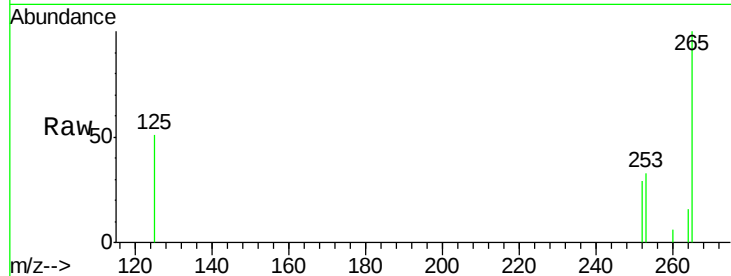
Tgt Ion:252 Resp: 693

Ion Ratio Lower Upper

252 100

253 115.5 0.0 48.0#

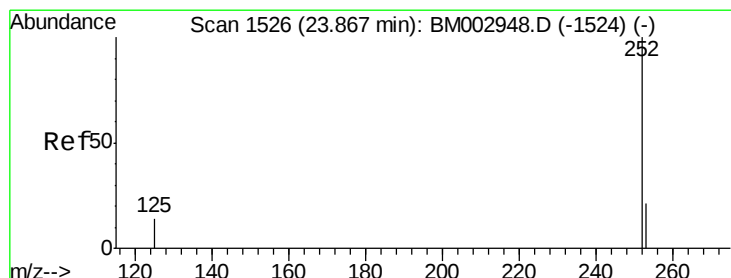
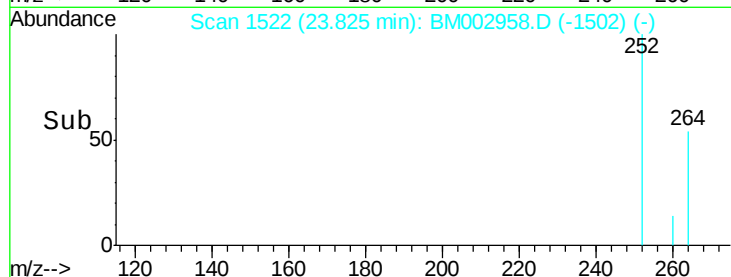
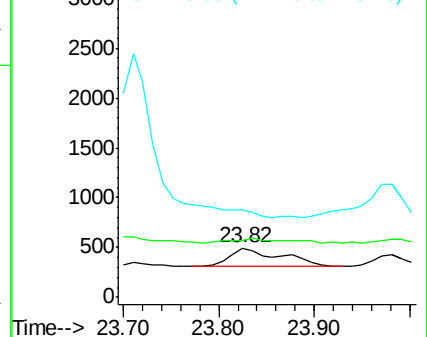
125 176.7 0.0 36.6#



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: 0.01 ng/ul

RT: 23.82 min Scan# 1522

Delta R.T. -0.04 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

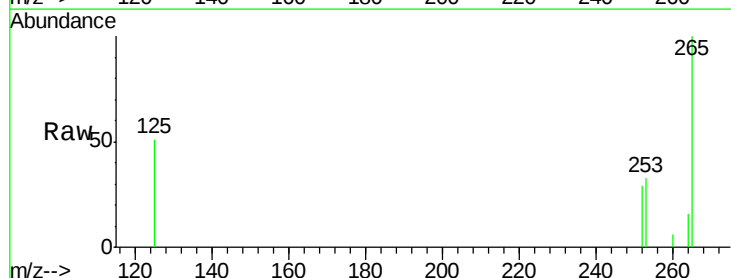
Tgt Ion:252 Resp: 684

Ion Ratio Lower Upper

252 100

253 115.5 20.8 31.2#

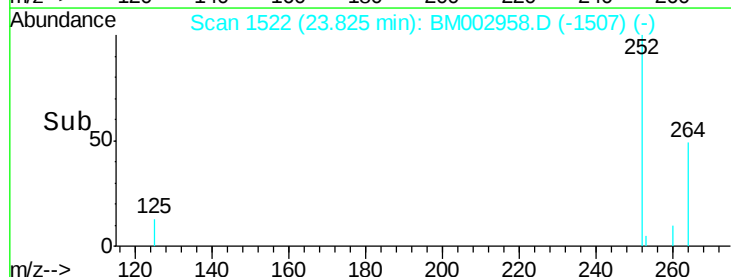
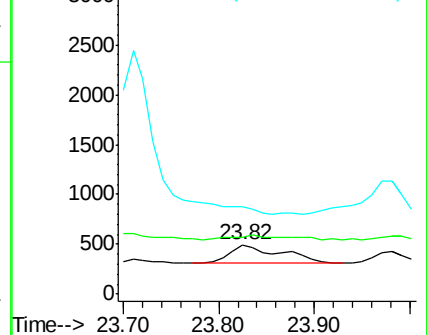
125 176.7 12.2 18.4#

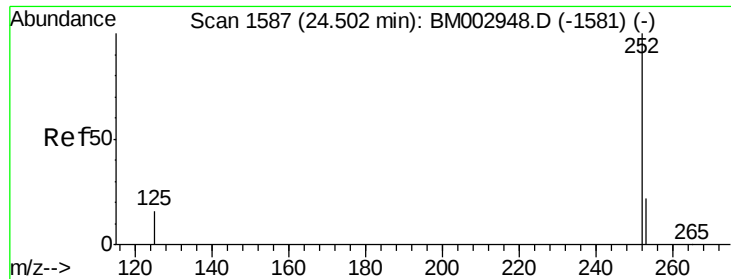


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 24.42 min Scan# 1579

Delta R.T. -0.08 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampleId :

JG9J1

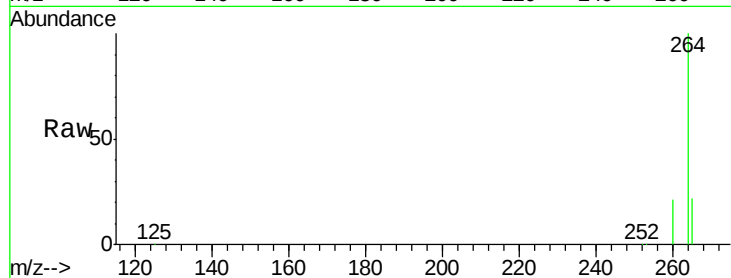
Tgt Ion: 252 Resp: 8885

Ion Ratio Lower Upper

252 100

253 38.5 21.8 32.8#

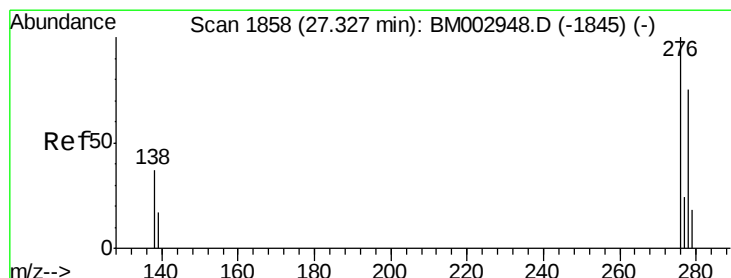
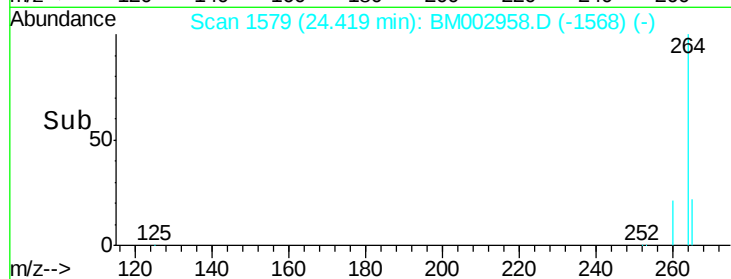
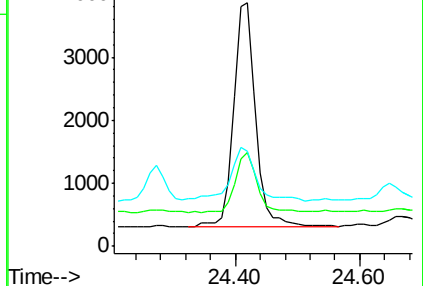
125 38.8 14.5 21.7#



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: 0.00 ng/ul

RT: 27.38 min Scan# 1863

Delta R.T. 0.05 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

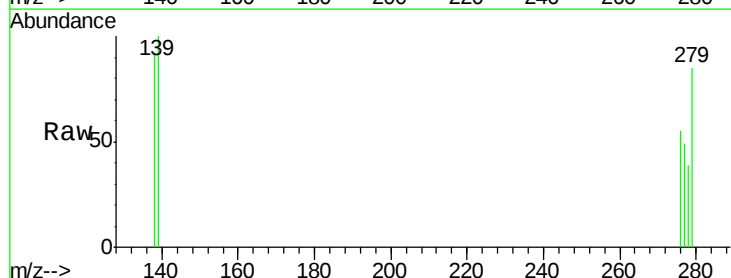
Tgt Ion: 276 Resp: 243

Ion Ratio Lower Upper

276 100

138 16.9 27.5 41.3#

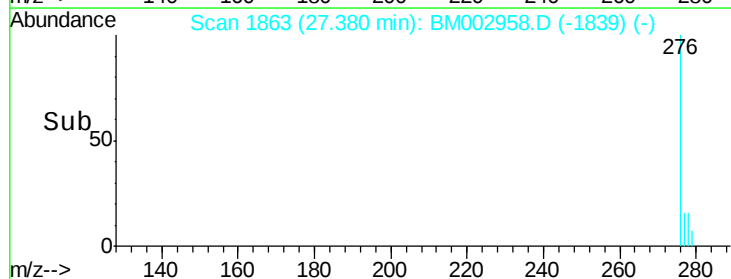
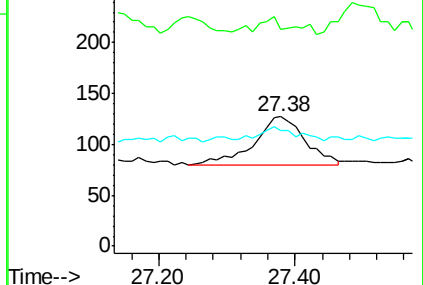
277 21.0 19.3 28.9

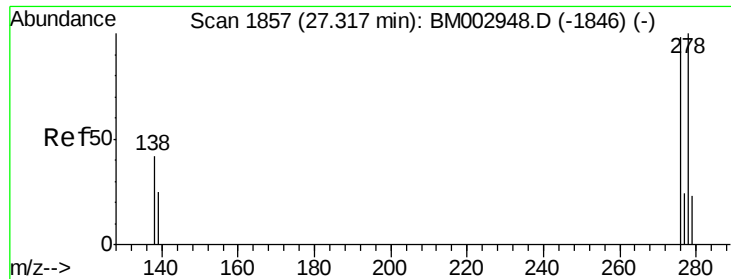


Abundance Ion 276.00 (275.70 to 276.70): E

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: 27.33 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

Instrument :

BNA_M

ClientSampleId :

JG9J1

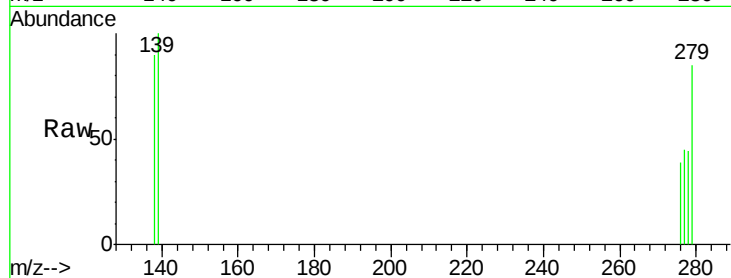
Tgt Ion: 278 Resp: 108

Ion Ratio Lower Upper

278 100

139 226.4 21.7 32.5#

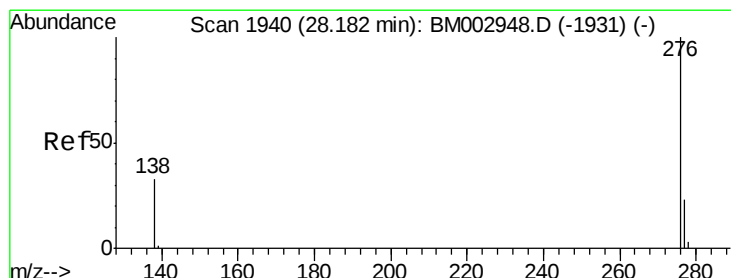
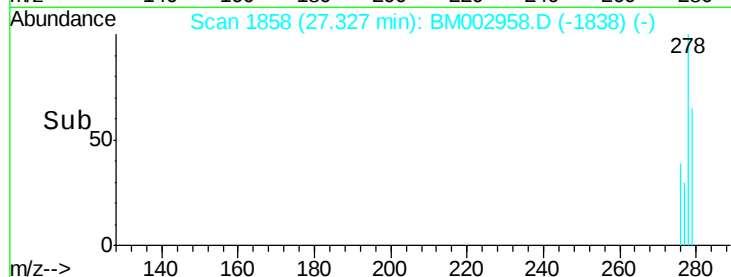
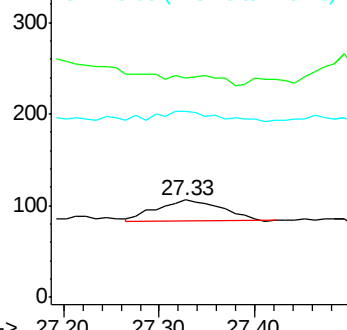
279 191.5 21.9 32.9#



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: 28.23 min Scan# 1945

Delta R.T. 0.05 min

Lab File: BM002958.D

Acq: 21 Oct 2015 21:37

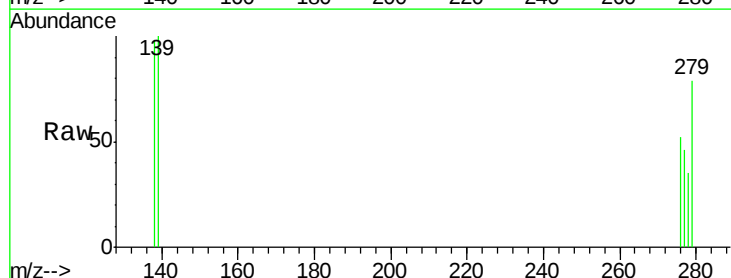
Tgt Ion: 276 Resp: 225

Ion Ratio Lower Upper

276 100

277 87.7 21.3 31.9#

138 188.5 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

