

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002959.D
 Acq On : 21 Oct 2015 22:13
 Operator : UM/IZ
 Sample : G4075-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J2

Quant Time: Oct 22 12:04:28 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	3829	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	18122	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	11380	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1752522	0.40	ng/ul	0.08
18) Chrysene-d12	22.04	240	29498	0.40	ng/ul	0.00
22) Perylene-d12	24.61	264	32819	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.71	96	16612	4.06	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.05	152	8343	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	22991	0.00	ng/ul	0.00

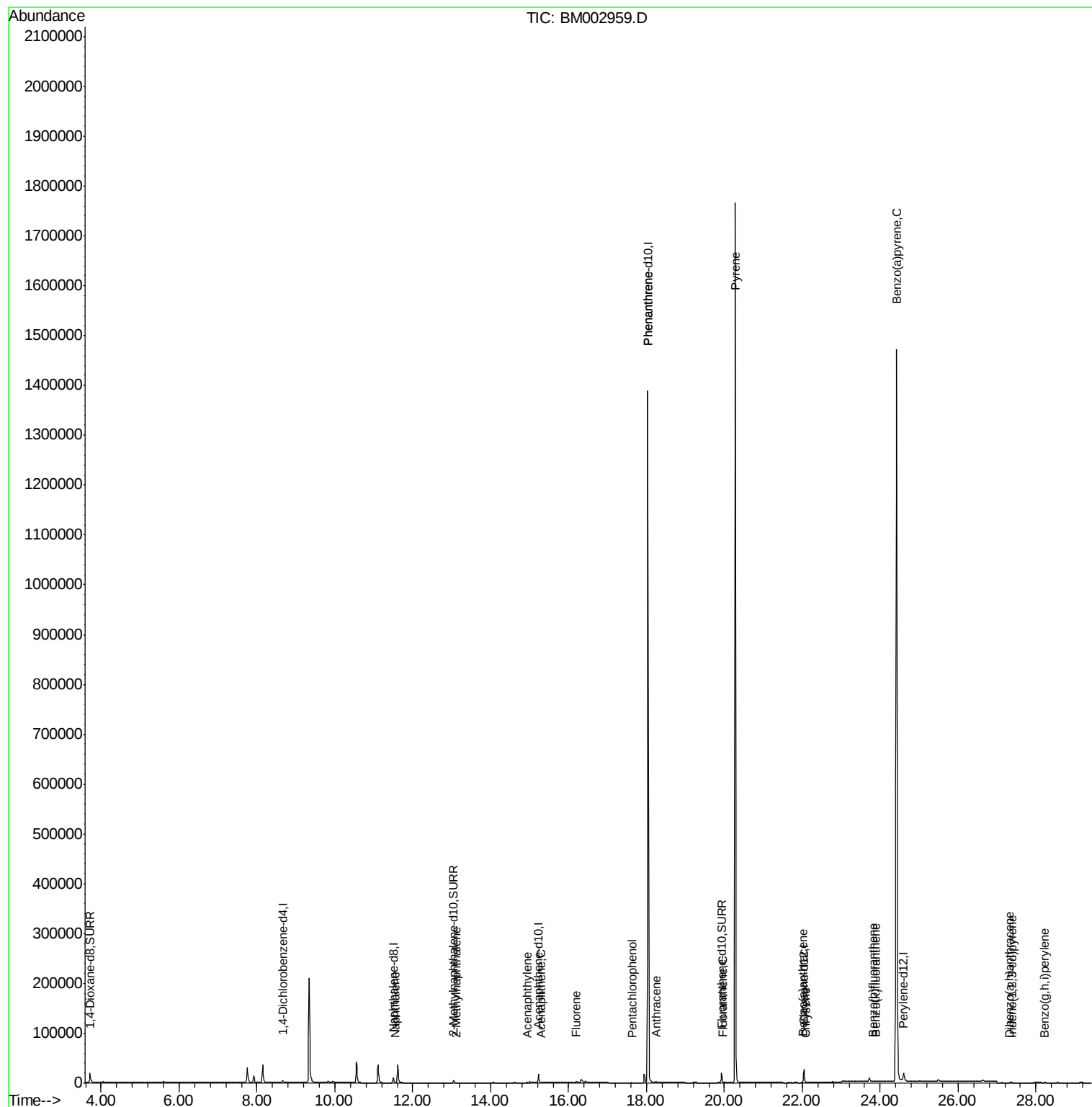
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.54	128	158	0.00	ng/ul#	1
7) 2-Methylnaphthalene	13.12	142	243	0.01	ng/ul#	1
9) Acenaphthylene	14.93	152	239	0.00	ng/ul#	1
10) Acenaphthene	15.30	153	60	0.00	ng/ul#	46
11) Fluorene	16.20	166	2816	0.06	ng/ul#	9
13) Pentachlorophenol	17.64	266	70	0.00	ng/ul	91
14) Phenanthrene	18.03	178	915	0.00	ng/ul#	1
15) Anthracene	18.25	178	62	0.00	ng/ul#	1
17) Fluoranthene	19.96	202	1375	0.00	ng/ul#	47
19) Pyrene	20.28	202	4332	0.04	ng/ul#	1
20) Benzo(a)anthracene	22.02	228	832	0.01	ng/ul#	57
21) Chrysene	22.08	228	1028	0.01	ng/ul#	67
23) Benzo(b)fluoranthene	23.82	252	649	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	23.88	252	367	0.00	ng/ul#	1
25) Benzo(a)pyrene	24.42	252	8658	0.08	ng/ul#	66
26) Indeno(1,2,3-cd)pyrene	27.38	276	377	0.00	ng/ul	98
27) Dibenzo(a,h)anthracene	27.33	278	274	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	28.22	276	345	0.00	ng/ul#	1

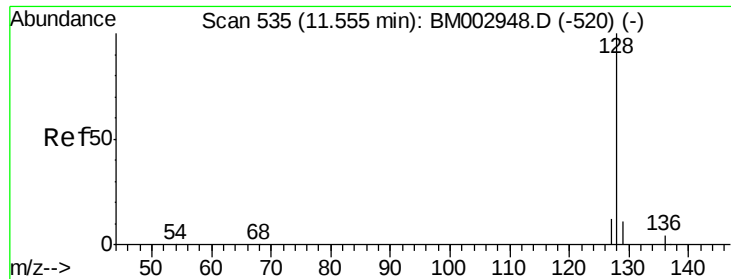
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002959.D

Acq: 21 Oct 2015 22:13

Instrument :

BNA_M

ClientSampleId :

JG9J2

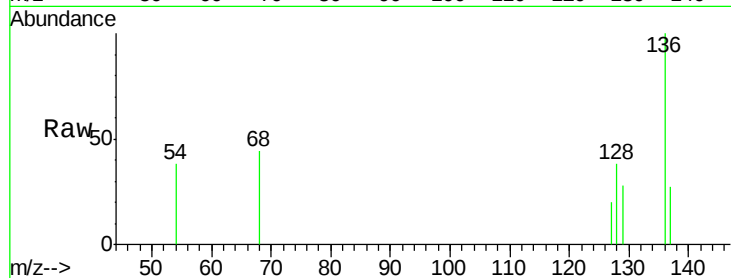
Tgt Ion:128 Resp: 158

Ion Ratio Lower Upper

128 100

129 74.3 9.8 14.8#

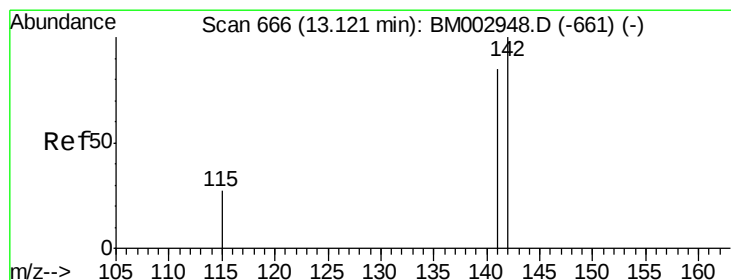
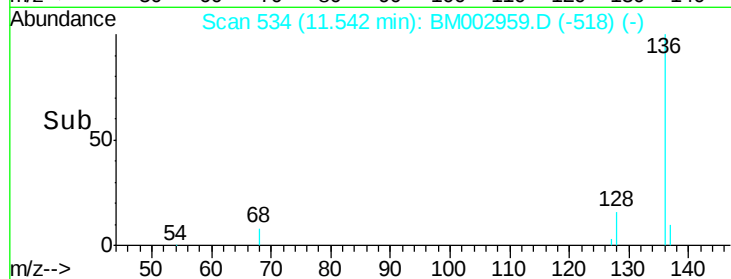
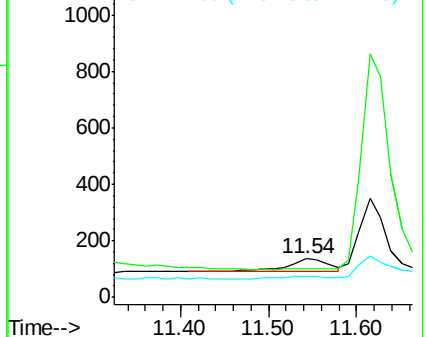
127 54.4 10.7 16.1#



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: BM002959.D

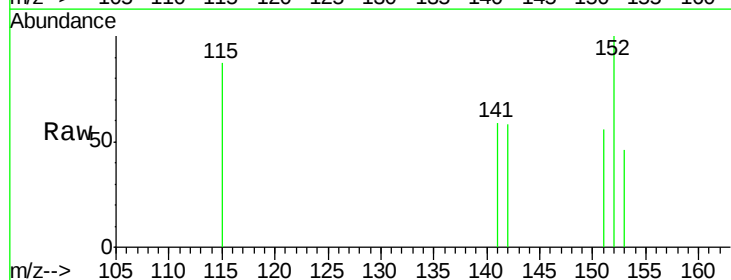
Acq: 21 Oct 2015 22:13

Tgt Ion:142 Resp: 243

Ion Ratio Lower Upper

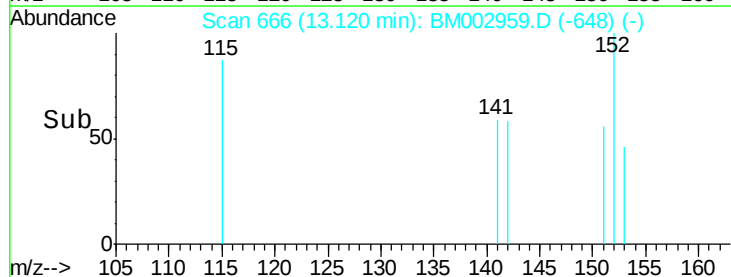
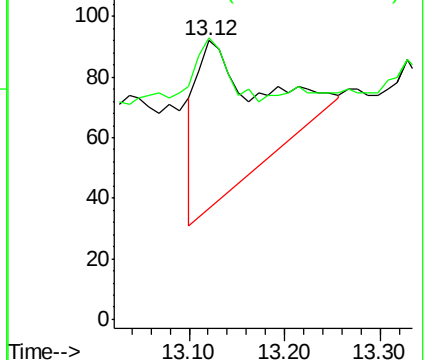
142 100

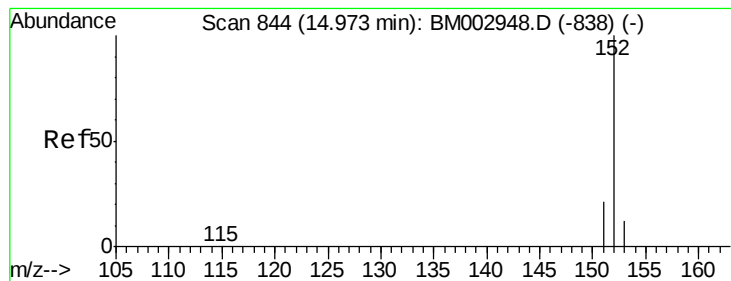
141 495.9 70.3 105.5#



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: BM002959.D

Acq: 21 Oct 2015 22:13

Instrument :

BNA_M

ClientSampleId :

JG9J2

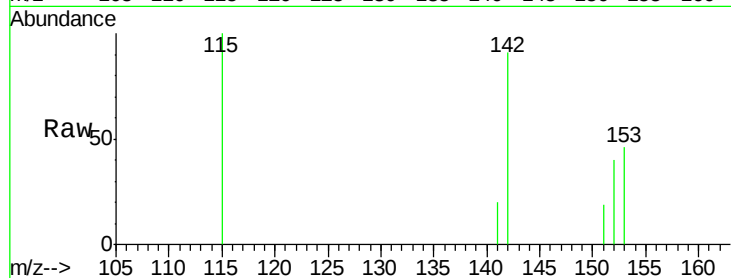
Tgt Ion:152 Resp: 239

Ion Ratio Lower Upper

152 100

151 48.2 16.8 25.2#

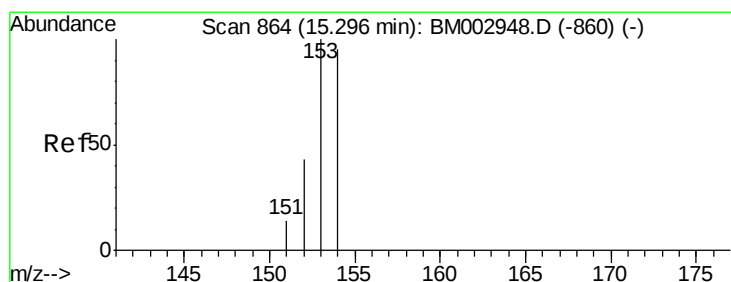
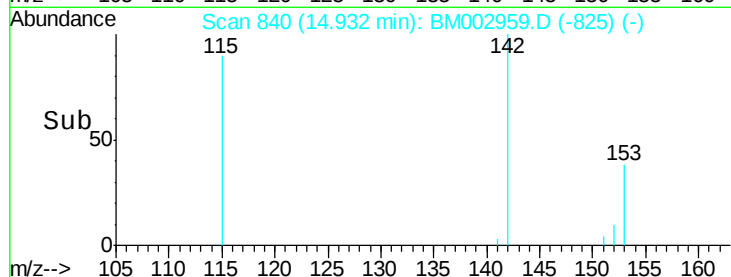
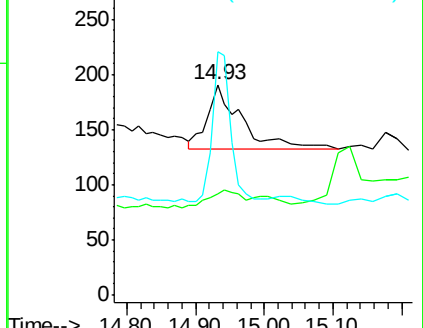
153 115.7 11.3 16.9#



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: 0.00 ng/ul

RT: 15.30 min Scan# 864

Delta R.T. -0.00 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

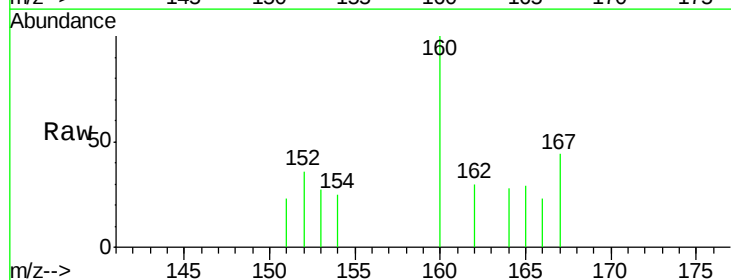
Tgt Ion:153 Resp: 60

Ion Ratio Lower Upper

153 100

152 135.3 42.3 63.5#

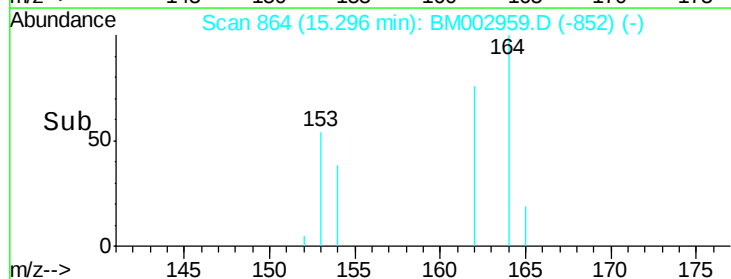
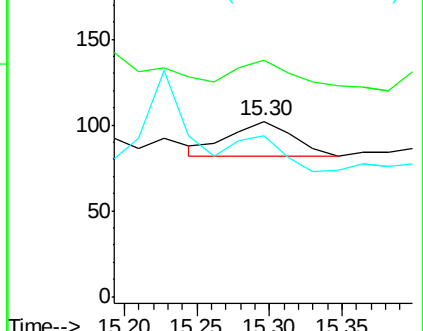
154 92.2 64.7 97.1

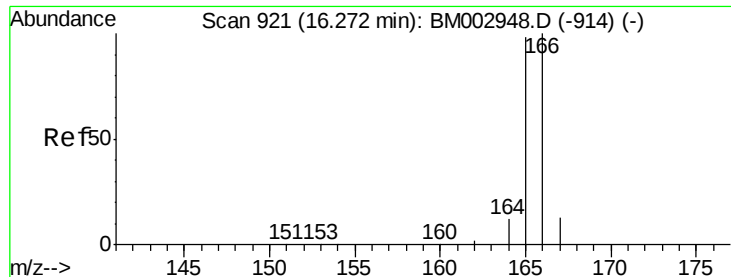


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

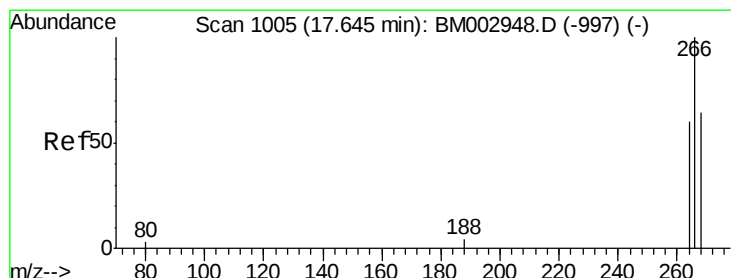
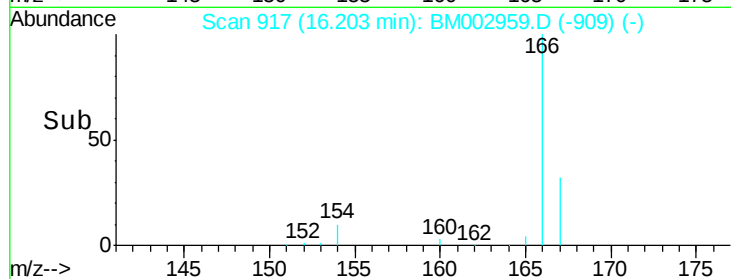
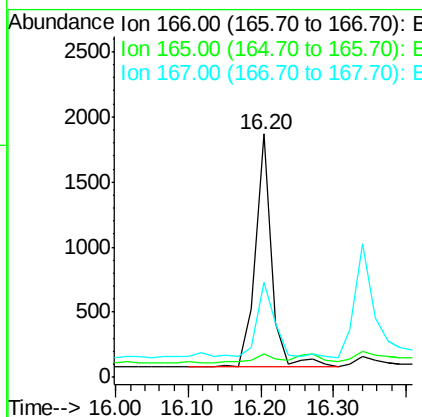
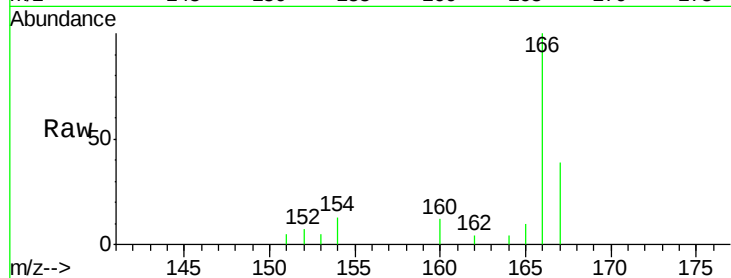




#11
 Fluorene
 Concen: 0.06 ng/ul
 RT: 16.20 min Scan# 917
 Delta R.T. -0.07 min
 Lab File: BM002959.D
 Acq: 21 Oct 2015 22:13

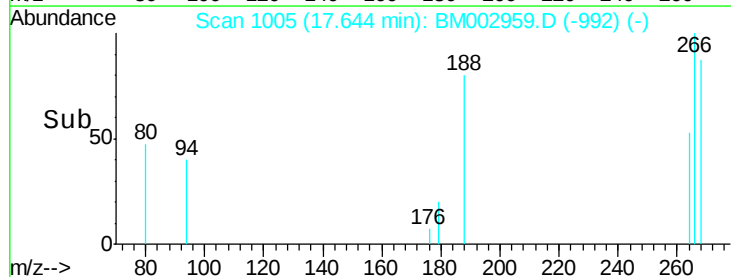
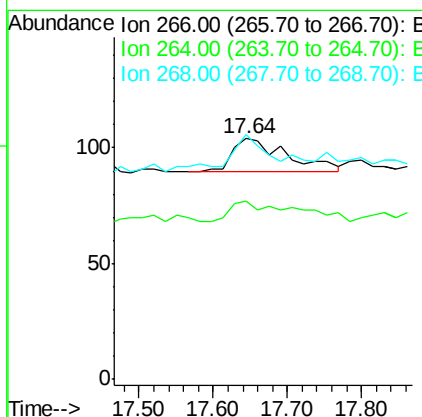
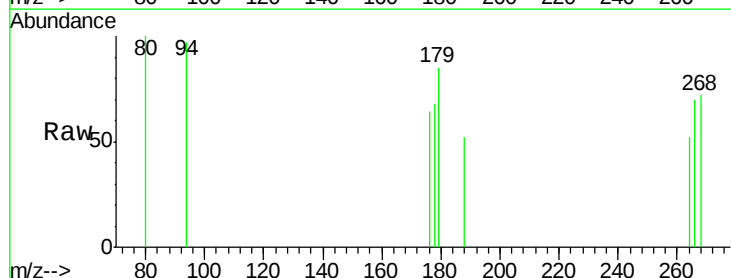
Instrument :
 BNA_M
 ClientSampleId :
 JG9J2

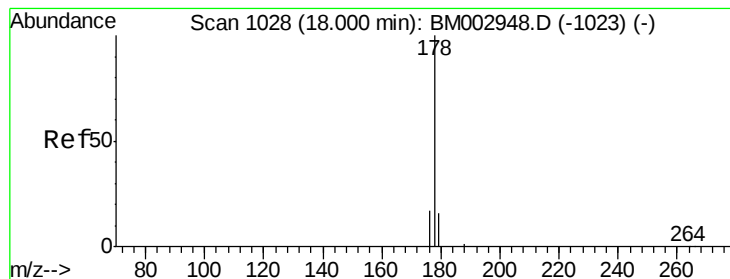
Tgt Ion:166 Resp: 2816
 Ion Ratio Lower Upper
 166 100
 165 9.9 87.6 131.4#
 167 39.0 11.1 16.7#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 17.64 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BM002959.D
 Acq: 21 Oct 2015 22:13

Tgt Ion:266 Resp: 70
 Ion Ratio Lower Upper
 266 100
 264 78.6 53.5 80.3
 268 64.3 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: BM002959.D

Acq: 21 Oct 2015 22:13

Instrument :

BNA_M

ClientSampleId :

JG9J2

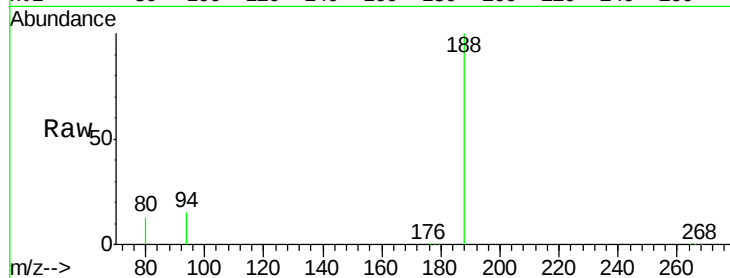
Tgt Ion:178 Resp: 915

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.4

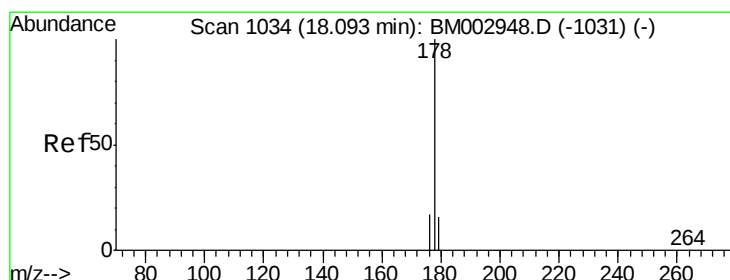
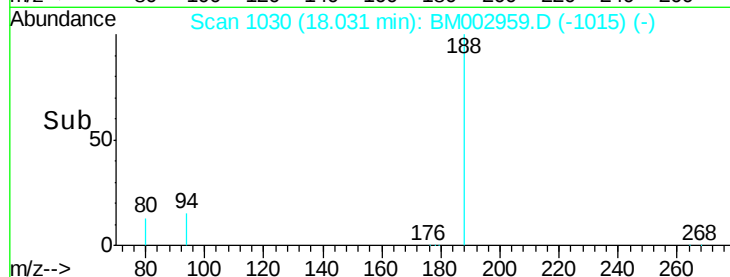
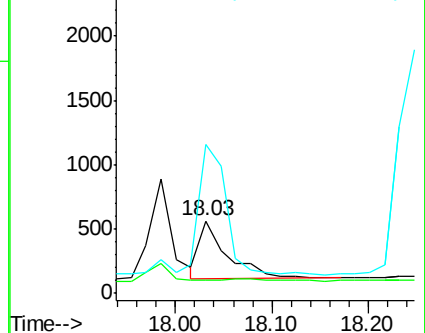
179 206.6 12.8 19.2#



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: 18.25 min Scan# 1044

Delta R.T. 0.15 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

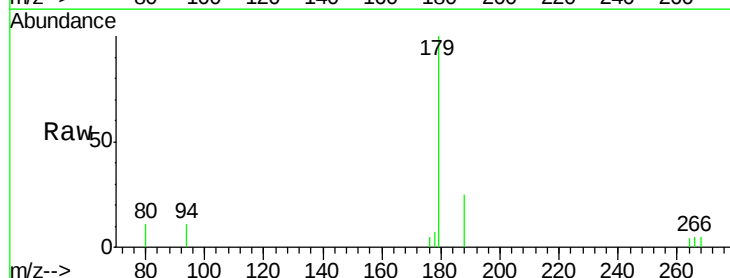
Tgt Ion:178 Resp: 62

Ion Ratio Lower Upper

178 100

176 77.3 15.8 23.8#

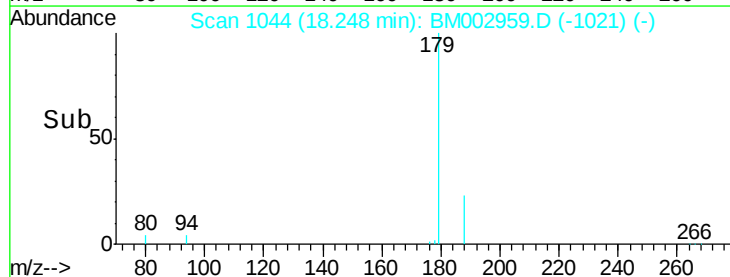
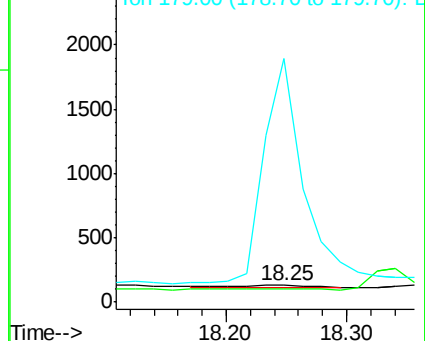
179 1434.8 13.3 19.9#

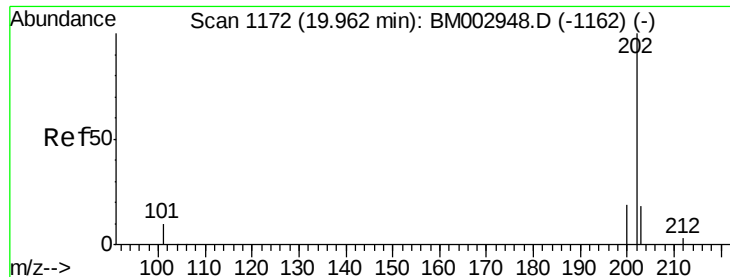


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

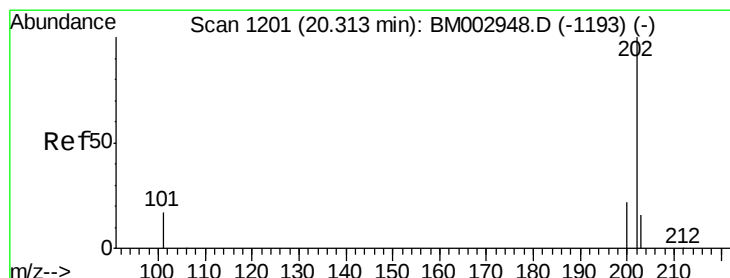
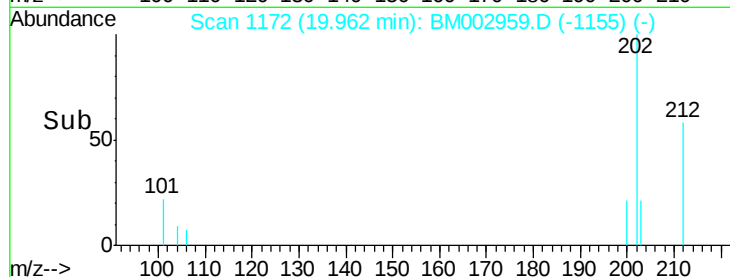
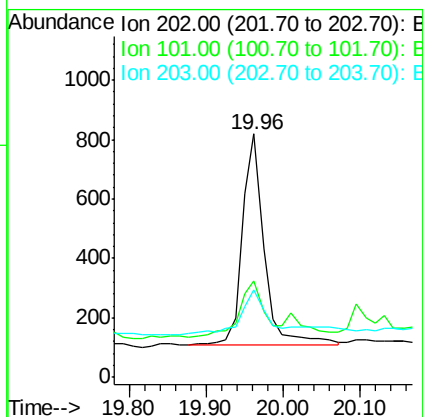
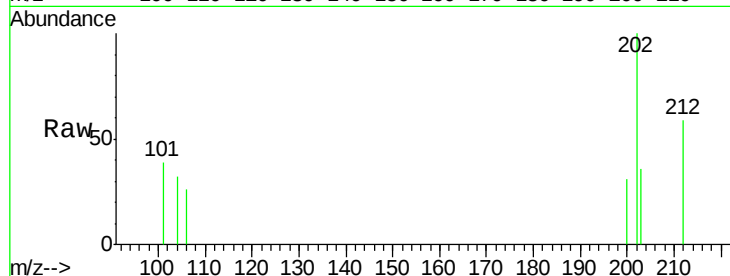




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.96 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BM002959.D
 Acq: 21 Oct 2015 22:13

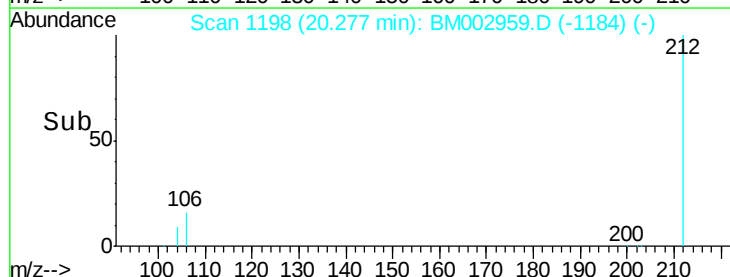
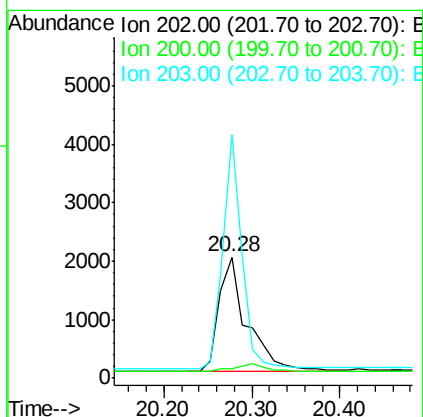
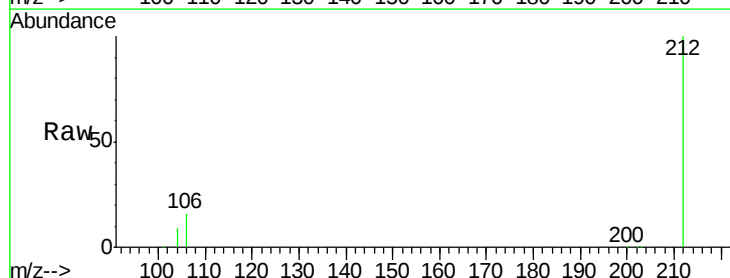
Instrument :
 BNA_M
 ClientSampled :
 JG9J2

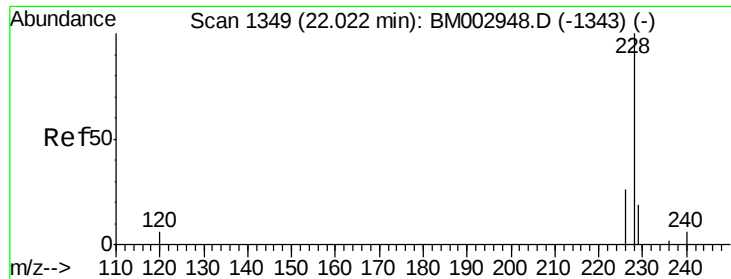
Tgt Ion:202 Resp: 1375
 Ion Ratio Lower Upper
 202 100
 101 39.3 0.0 33.1#
 203 35.7 0.0 37.2



#19
Pyrene
 Concen: 0.04 ng/ul
 RT: 20.28 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: BM002959.D
 Acq: 21 Oct 2015 22:13

Tgt Ion:202 Resp: 4332
 Ion Ratio Lower Upper
 202 100
 200 8.0 18.0 27.0#
 203 201.1 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: BM002959.D

Acq: 21 Oct 2015 22:13

Instrument :

BNA_M

ClientSampleId :

JG9J2

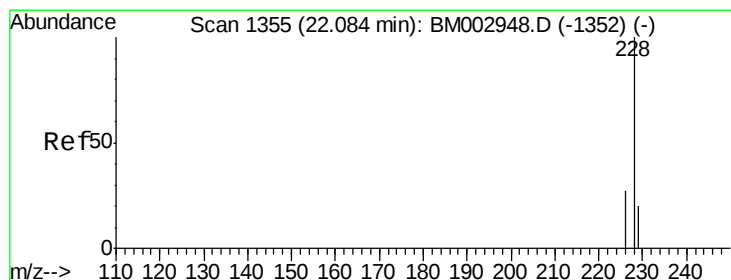
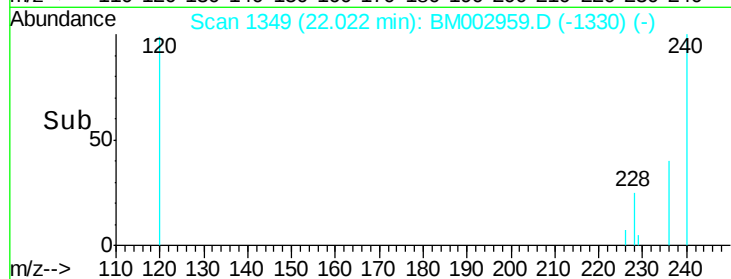
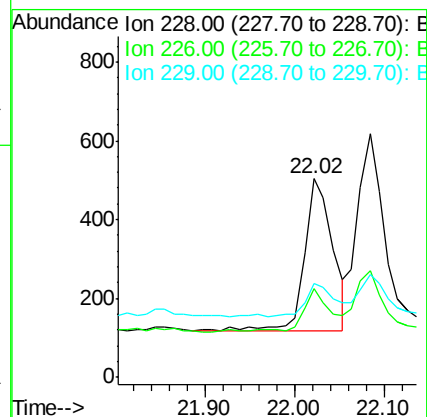
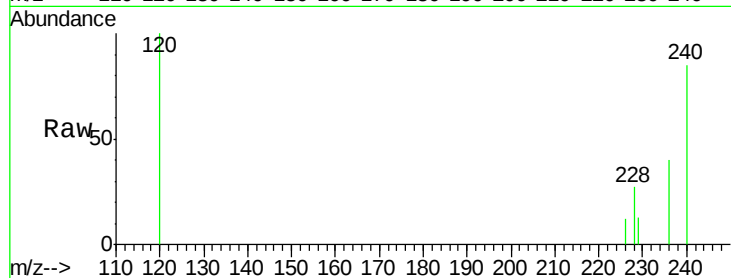
Tgt Ion:228 Resp: 832

Ion Ratio Lower Upper

228 100

226 44.5 23.0 34.4#

229 47.5 15.2 22.8#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 22.08 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

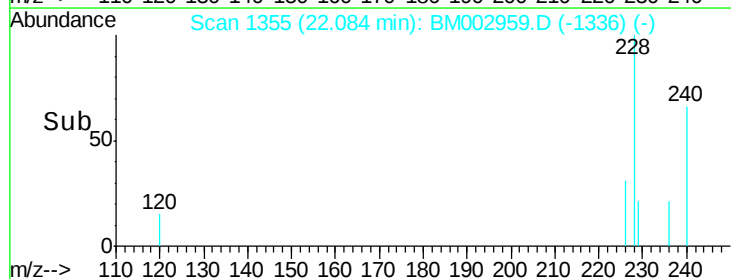
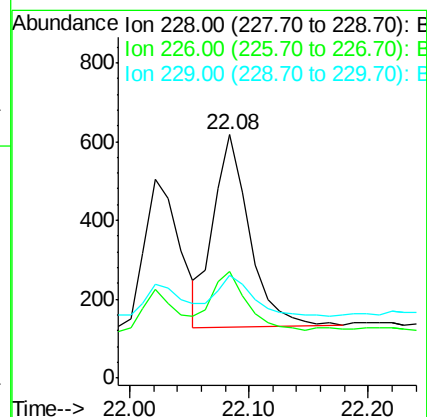
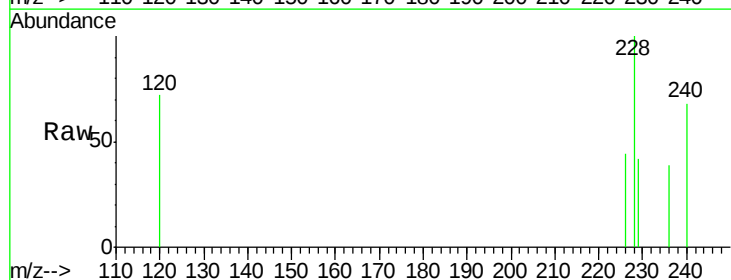
Tgt Ion:228 Resp: 1028

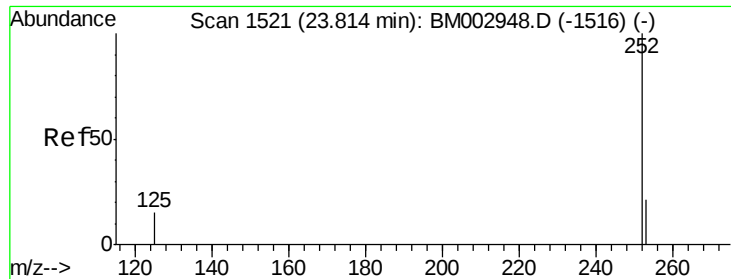
Ion Ratio Lower Upper

228 100

226 43.9 25.7 38.5#

229 42.4 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 23.82 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

Instrument :

BNA_M

ClientSampleId :

JG9J2

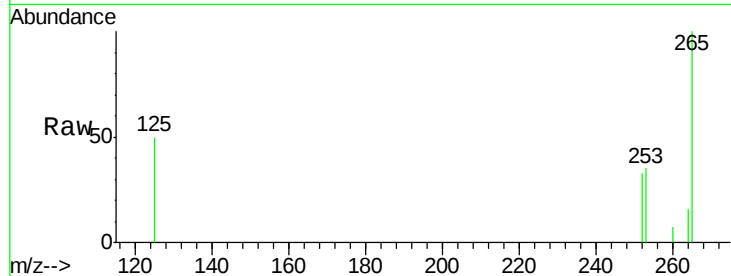
Tgt Ion:252 Resp: 649

Ion Ratio Lower Upper

252 100

253 105.2 0.0 48.0#

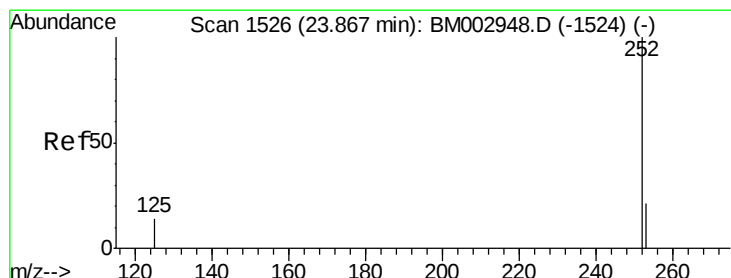
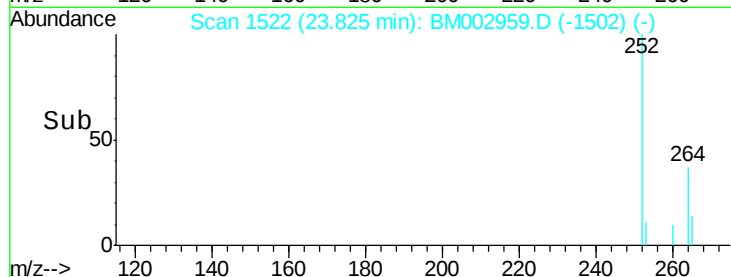
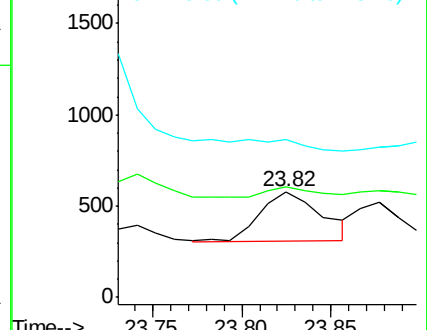
125 150.0 0.0 36.6#



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/ul

RT: 23.88 min Scan# 1527

Delta R.T. 0.01 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

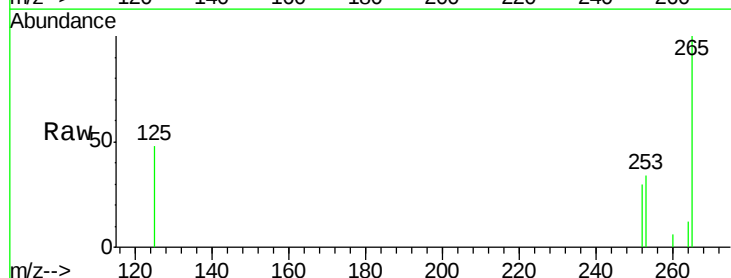
Tgt Ion:252 Resp: 367

Ion Ratio Lower Upper

252 100

253 113.1 20.8 31.2#

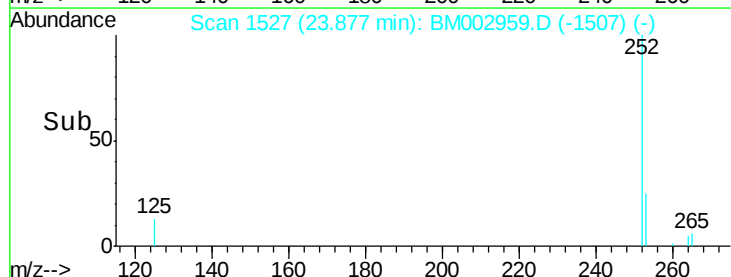
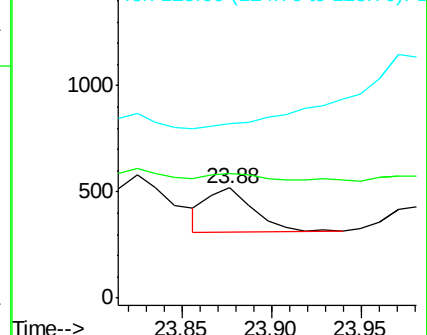
125 158.7 12.2 18.4#

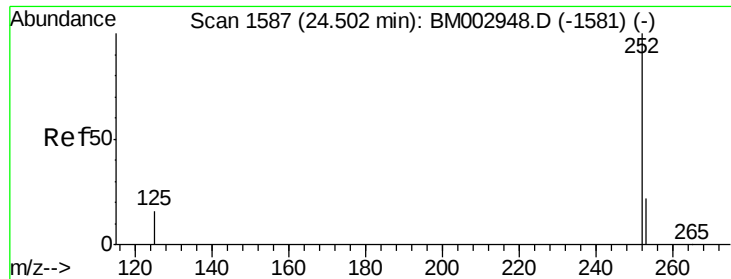


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 24.42 min Scan# 1579

Delta R.T. -0.08 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

Instrument :

BNA_M

ClientSampleId :

JG9J2

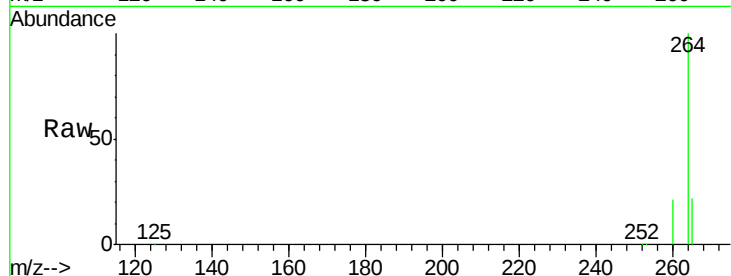
Tgt Ion:252 Resp: 8658

Ion Ratio Lower Upper

252 100

253 39.4 21.8 32.8#

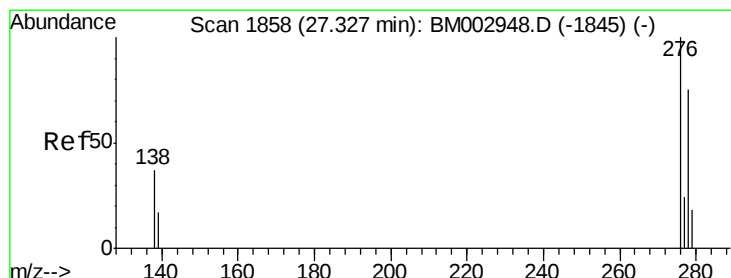
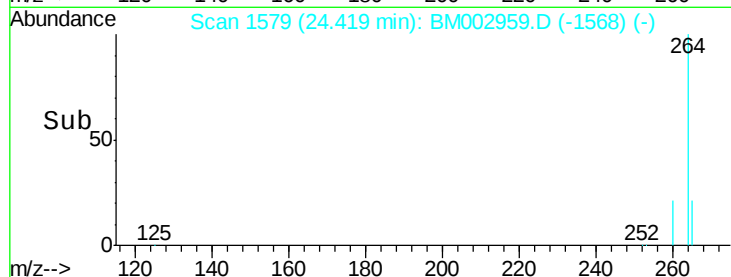
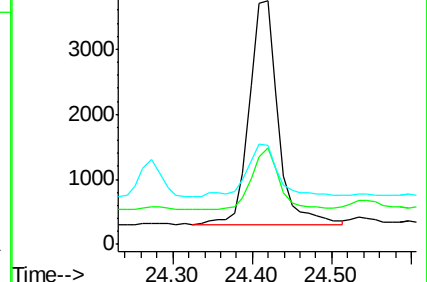
125 40.8 14.5 21.7#



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/u1

RT: 27.38 min Scan# 1863

Delta R.T. 0.05 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

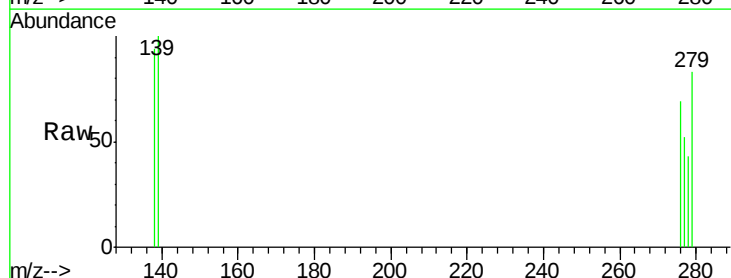
Tgt Ion:276 Resp: 377

Ion Ratio Lower Upper

276 100

138 34.7 27.5 41.3

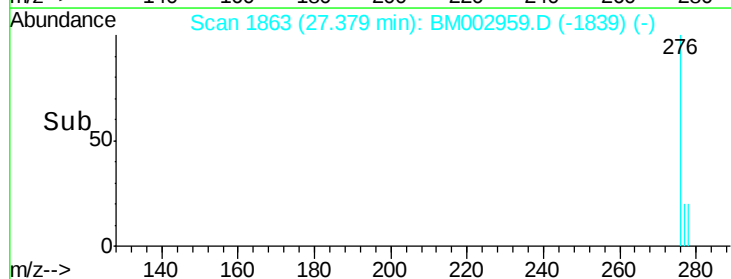
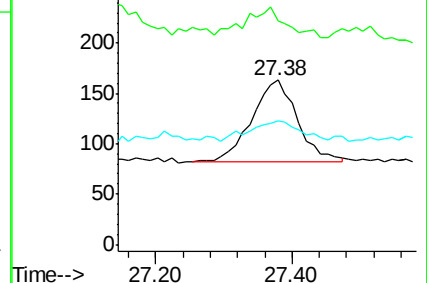
277 26.0 19.3 28.9

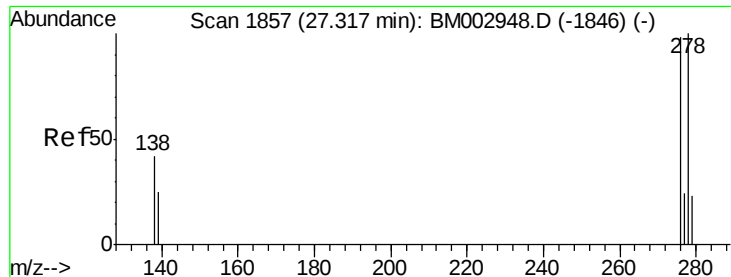


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM002959.D

Acq: 21 Oct 2015 22:13

Instrument :

BNA_M

ClientSampled :

JG9J2

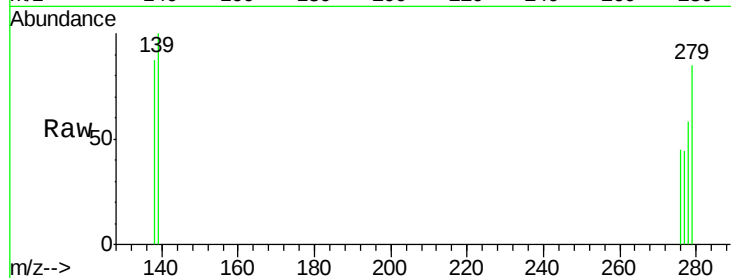
Tgt Ion: 278 Resp: 274

Ion Ratio Lower Upper

278 100

139 171.0 21.7 32.5#

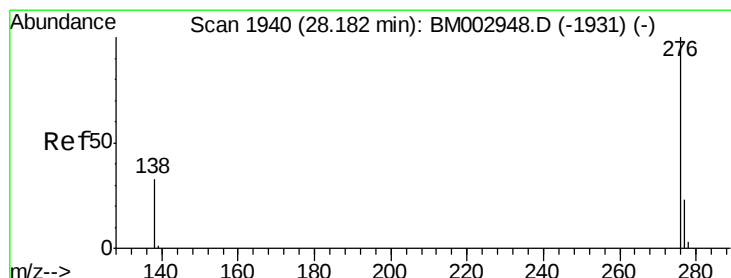
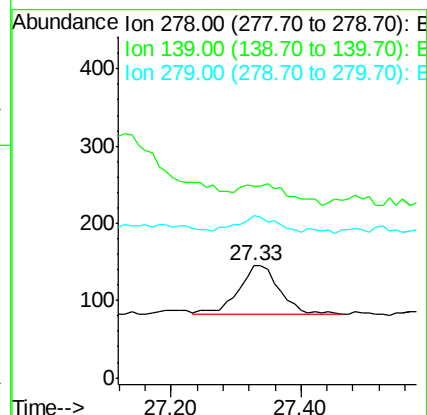
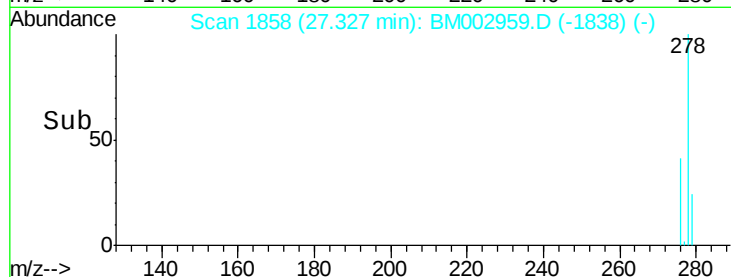
279 144.8 21.9 32.9#



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: 28.22 min Scan# 1944

Delta R.T. 0.04 min

Lab File: BM002959.D

Acq: 21 Oct 2015 22:13

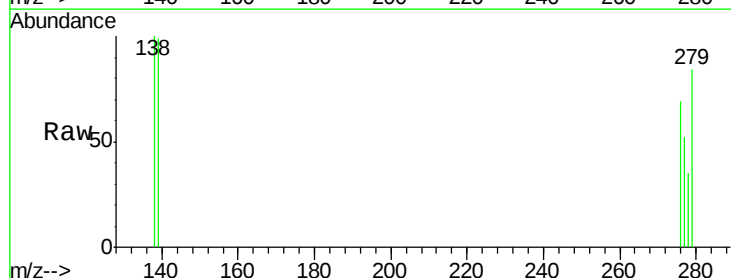
Tgt Ion: 276 Resp: 345

Ion Ratio Lower Upper

276 100

277 75.5 21.3 31.9#

138 145.4 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

