

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002966.D
 Acq On : 22 Oct 2015 02:26
 Operator : UM/IZ
 Sample : G4075-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J0

Quant Time: Oct 22 12:05:40 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	8.64	152	8952	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.48	136	38075	0.40	ng/ul	-0.02
8) Acenaphthene-d10	15.23	164	20337	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	2650691	0.40	ng/ul	0.08
18) Chrysene-d12	22.03	240	25615	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	22917	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.71	96	41030	4.29	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	17063	0.27	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	30433	0.00	ng/ul	0.00

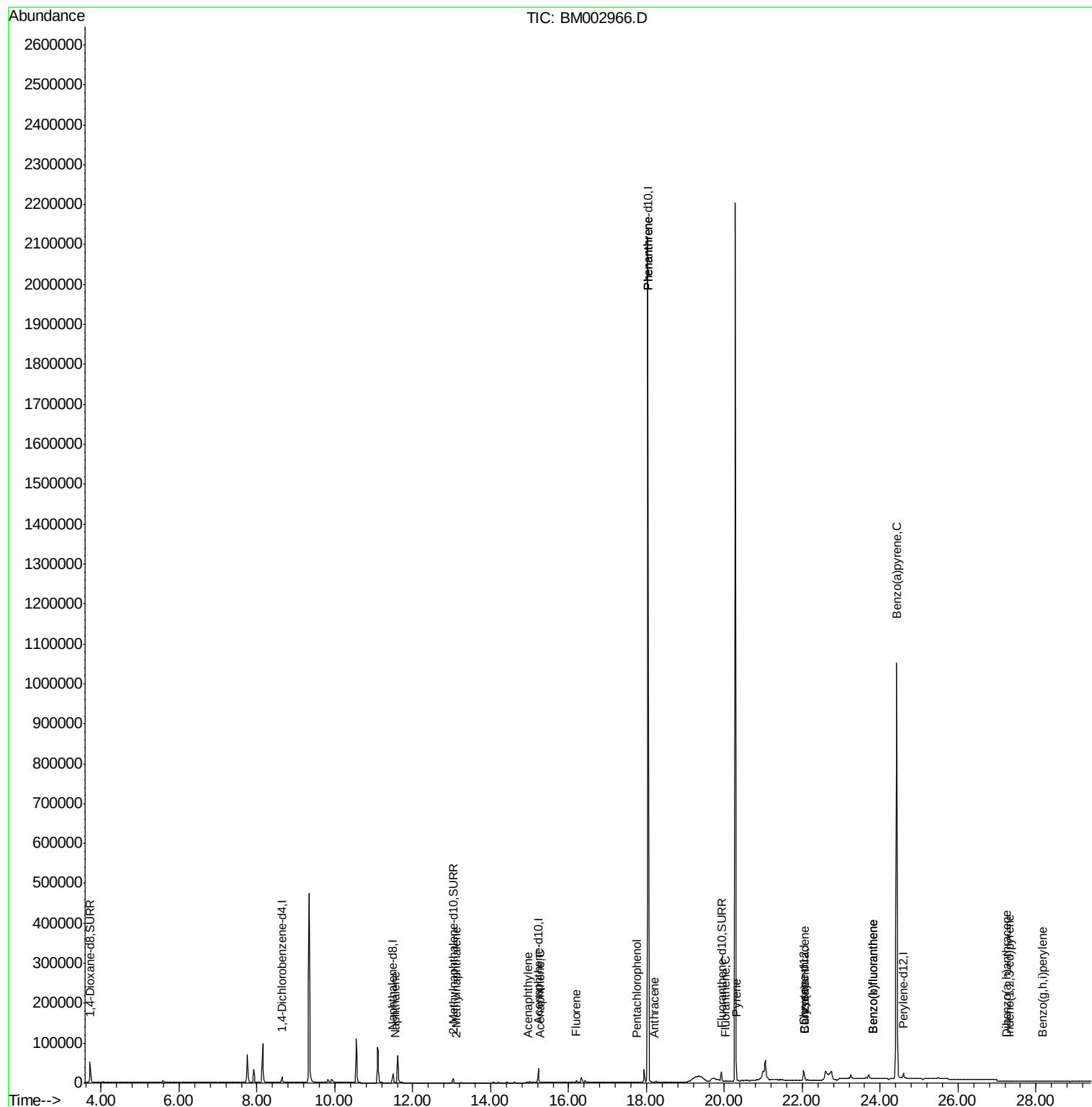
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.54	128	253	0.00	ng/ul#	4
7) 2-Methylnaphthalene	13.11	142	195	0.00	ng/ul#	71
9) Acenaphthylene	14.96	152	442	0.00	ng/ul#	19
10) Acenaphthene	15.28	153	92	0.00	ng/ul#	60
11) Fluorene	16.20	166	5008	0.06	ng/ul#	10
13) Pentachlorophenol	17.75	266	38	0.00	ng/ul#	16
14) Phenanthrene	18.03	178	1369	0.00	ng/ul#	1
15) Anthracene	18.20	178	163	0.00	ng/ul#	1
17) Fluoranthene	20.02	202	163	0.00	ng/ul#	1
19) Pyrene	20.30	202	8050	0.09	ng/ul#	54
20) Benzo(a)anthracene	22.07	228	10925	0.13	ng/ul#	56
21) Chrysene	22.07	228	10964	0.13	ng/ul#	61
23) Benzo(b)fluoranthene	23.80	252	2969	0.04	ng/ul#	1
24) Benzo(k)fluoranthene	23.80	252	2969	0.04	ng/ul#	1
25) Benzo(a)pyrene	24.42	252	6170	0.08	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.32	276	635	0.01	ng/ul#	45
27) Dibenzo(a,h)anthracene	27.25	278	615	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	28.16	276	1352	0.02	ng/ul#	1

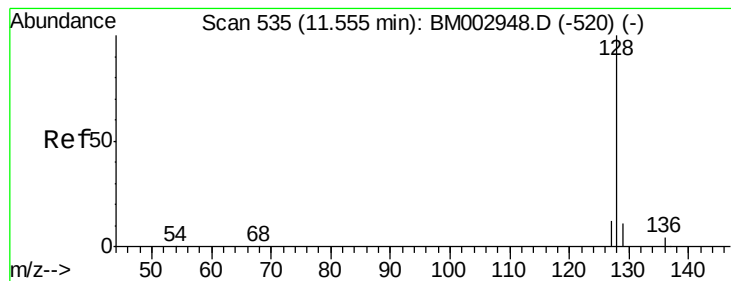
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

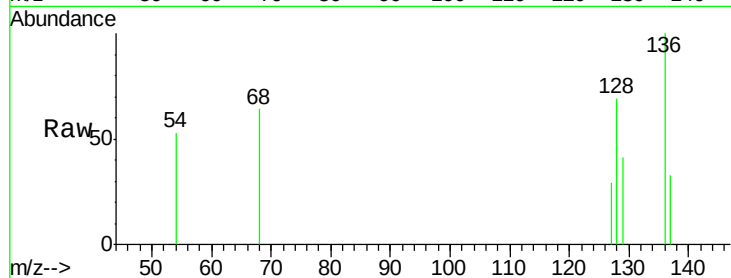
Tgt Ion:128 Resp: 253

Ion Ratio Lower Upper

128 100

129 59.8 9.8 14.8#

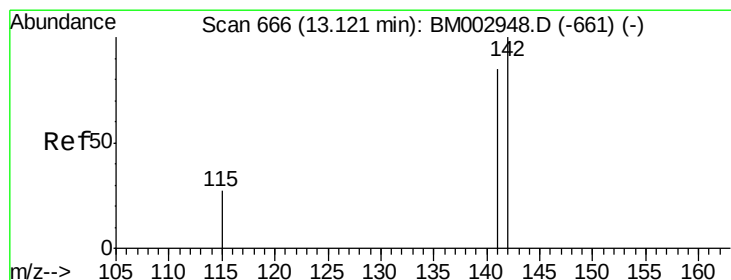
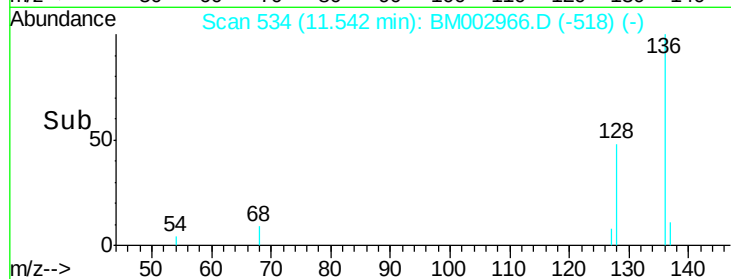
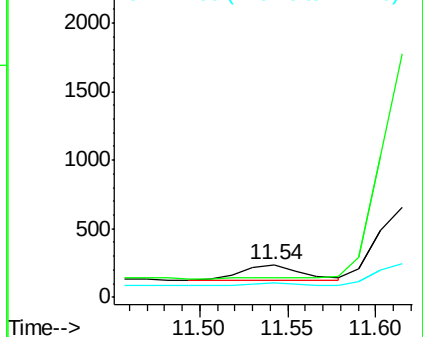
127 42.7 10.7 16.1#



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: 0.00 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM002966.D

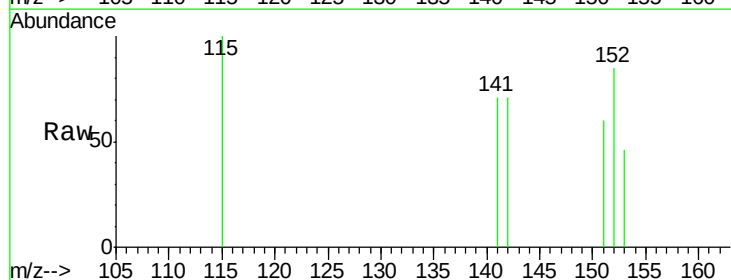
Acq: 22 Oct 2015 02:26

Tgt Ion:142 Resp: 195

Ion Ratio Lower Upper

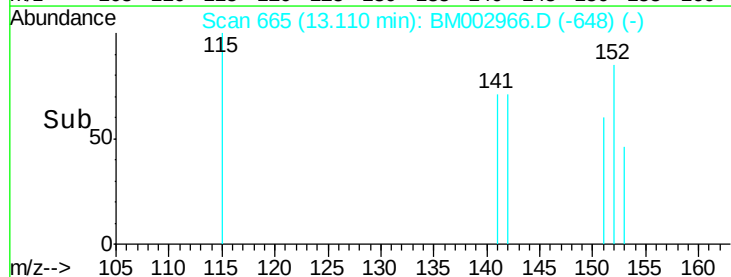
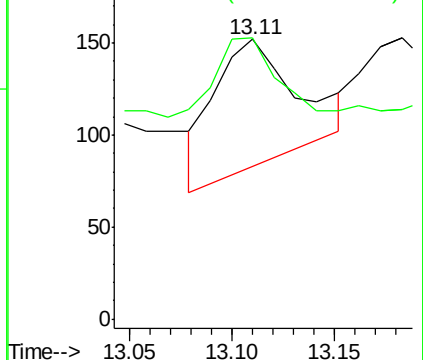
142 100

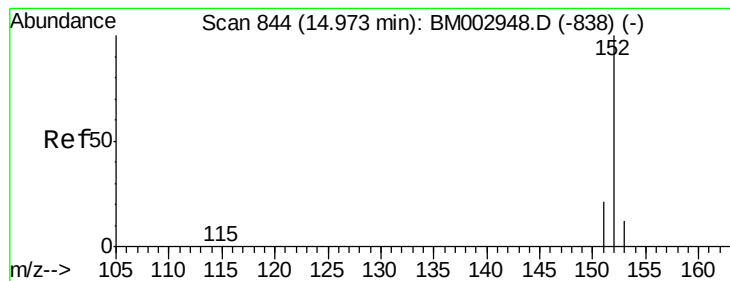
141 61.0 70.3 105.5#



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: 14.96 min Scan# 843

Delta R.T. -0.01 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

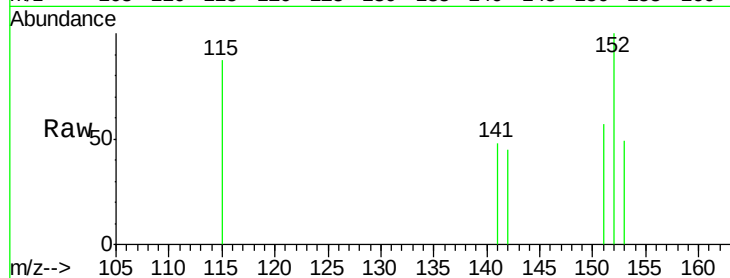
Tgt Ion:152 Resp: 442

Ion Ratio Lower Upper

152 100

151 57.3 16.8 25.2#

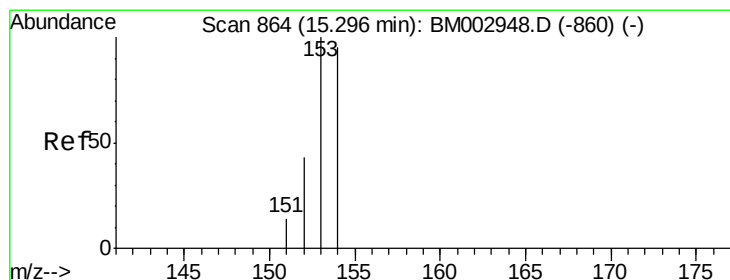
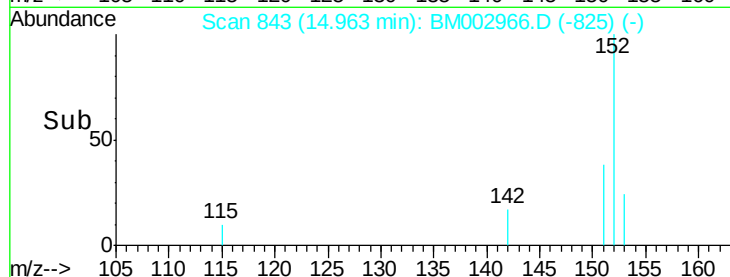
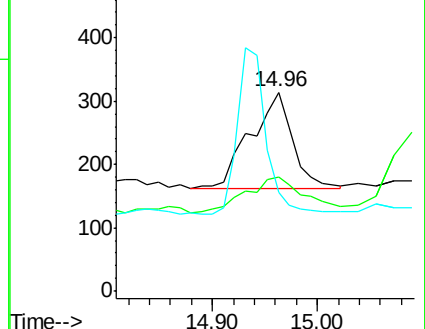
153 49.4 11.3 16.9#



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: 15.28 min Scan# 863

Delta R.T. -0.02 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

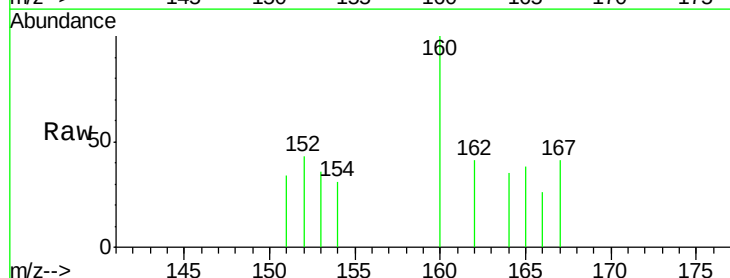
Tgt Ion:153 Resp: 92

Ion Ratio Lower Upper

153 100

152 118.0 42.3 63.5#

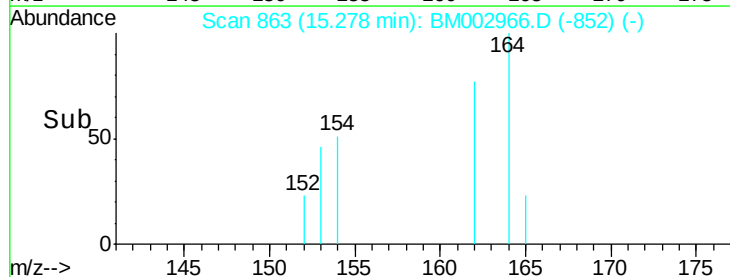
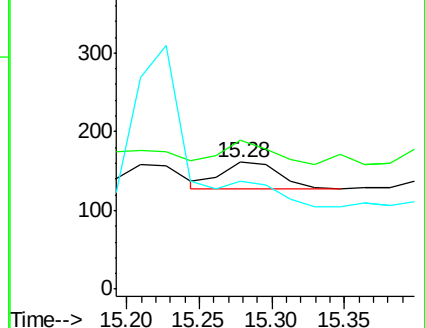
154 85.7 64.7 97.1

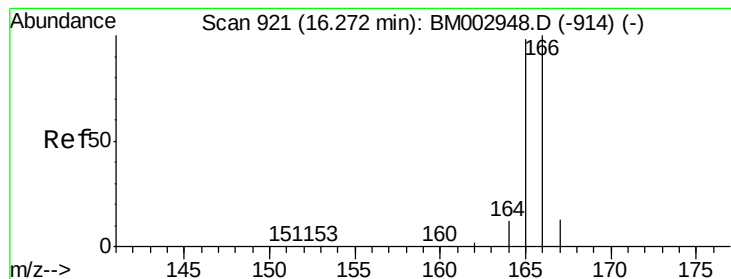


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

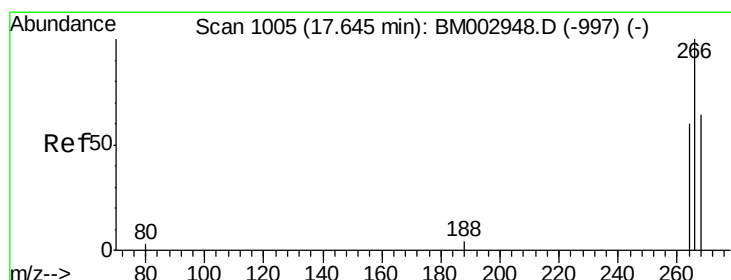
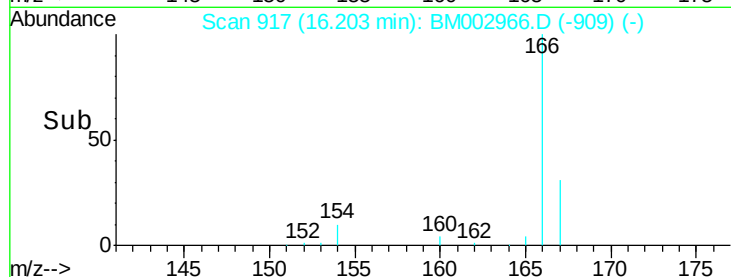
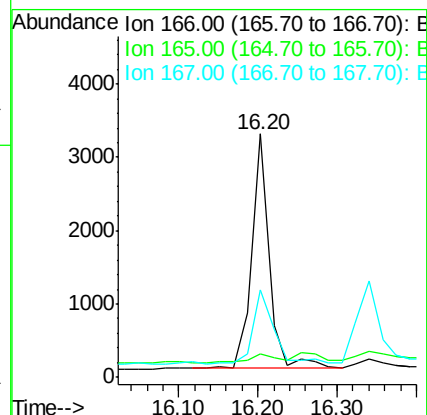
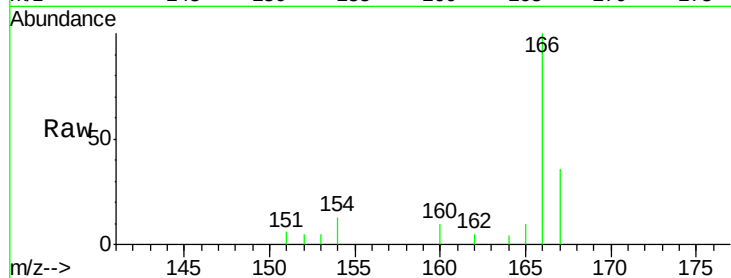
Tgt Ion:166 Resp: 5008

Ion Ratio Lower Upper

166 100

165 9.6 87.6 131.4#

167 35.7 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.75 min Scan# 1012

Delta R.T. 0.11 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

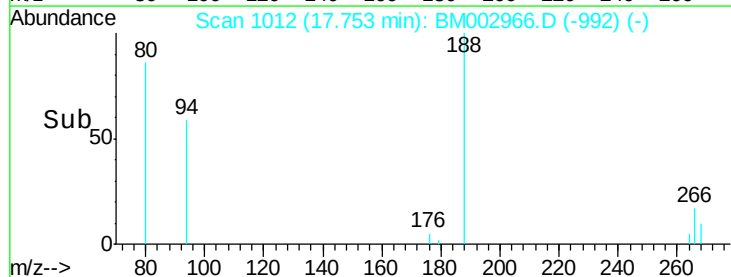
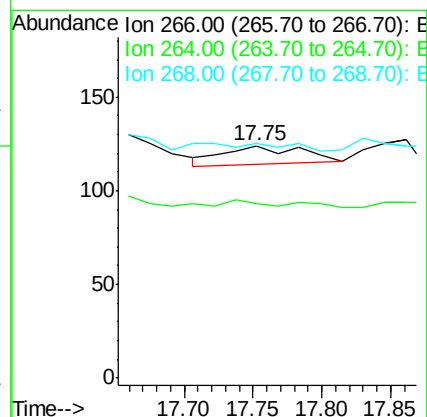
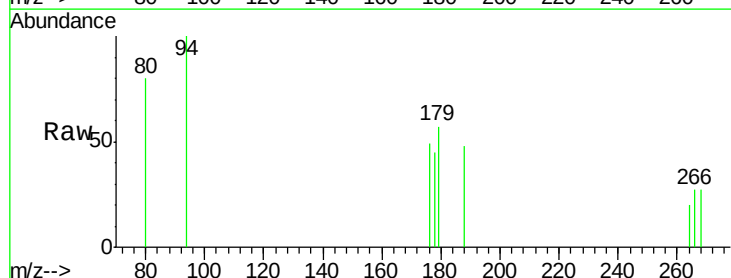
Tgt Ion:266 Resp: 38

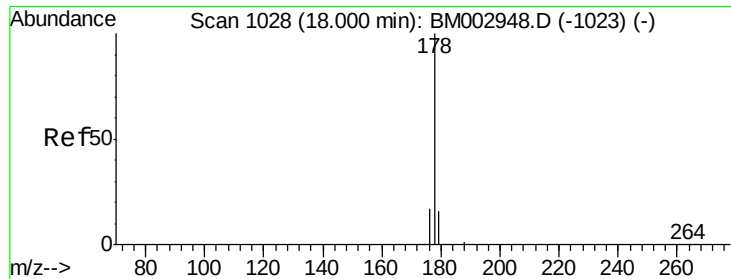
Ion Ratio Lower Upper

266 100

264 0.0 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: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

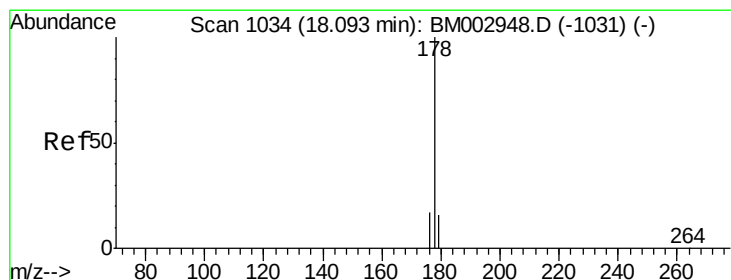
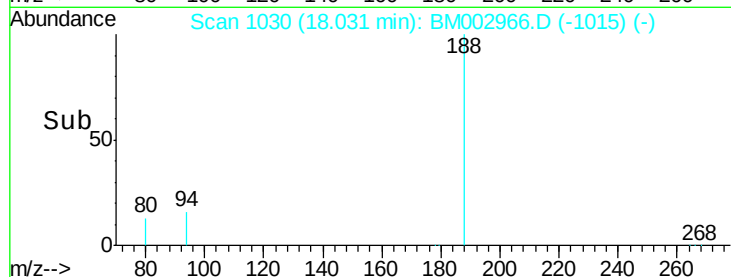
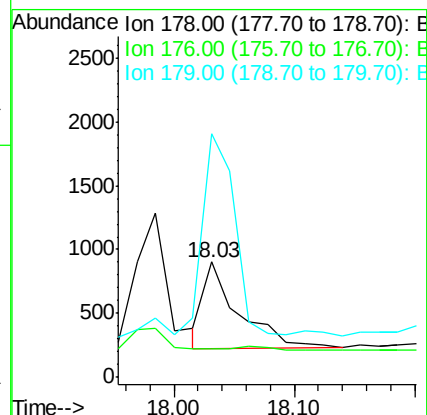
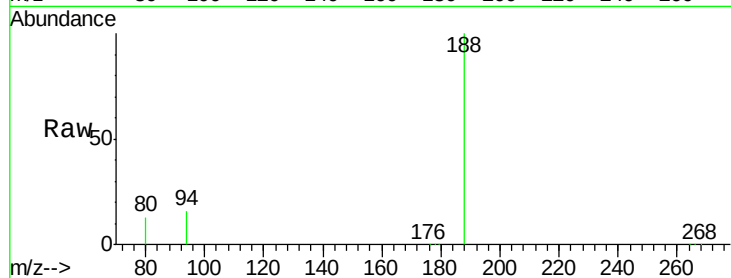
Tgt Ion:178 Resp: 1369

Ion Ratio Lower Upper

178 100

176 25.1 16.2 24.4#

179 211.7 12.8 19.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.11 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

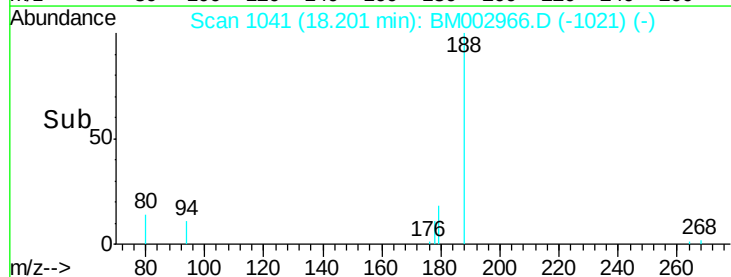
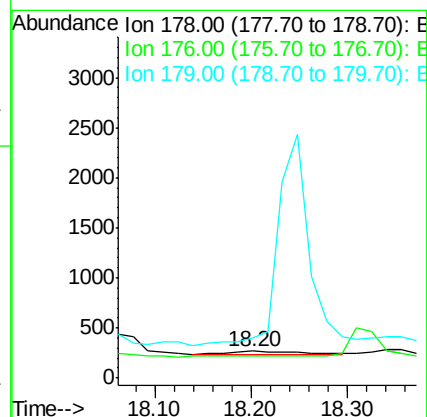
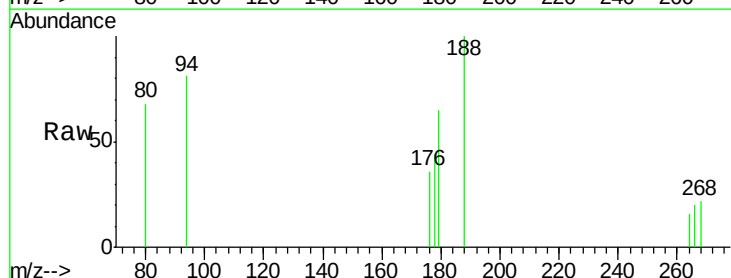
Tgt Ion:178 Resp: 163

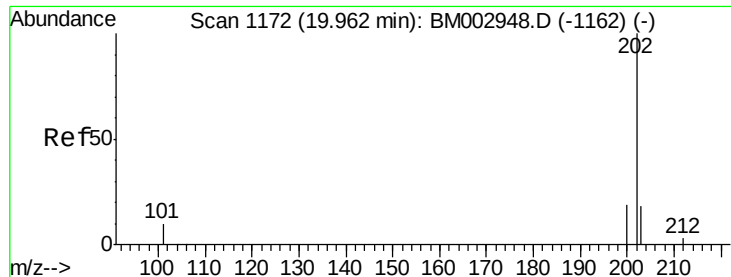
Ion Ratio Lower Upper

178 100

176 81.3 15.8 23.8#

179 150.0 13.3 19.9#

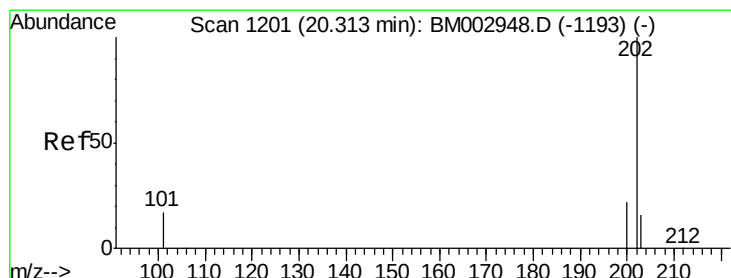
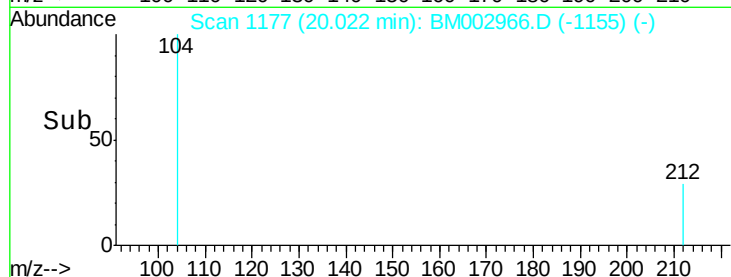
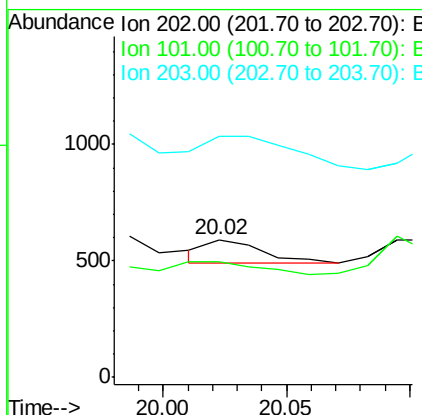
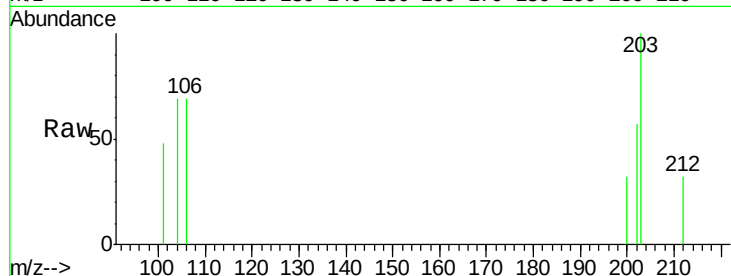




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 20.02 min Scan# 1177
Delta R.T. 0.06 min
Lab File: BM002966.D
Acq: 22 Oct 2015 02:26

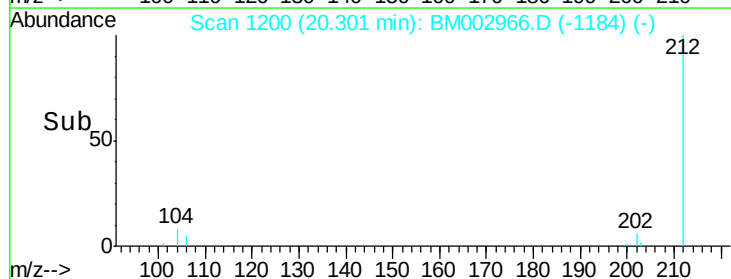
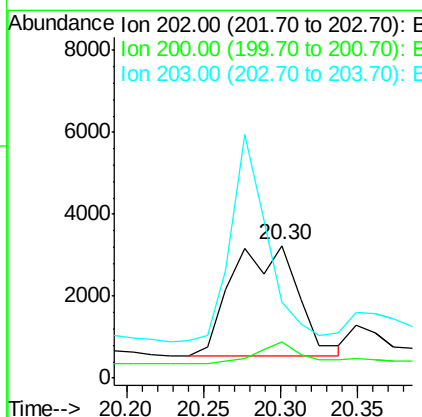
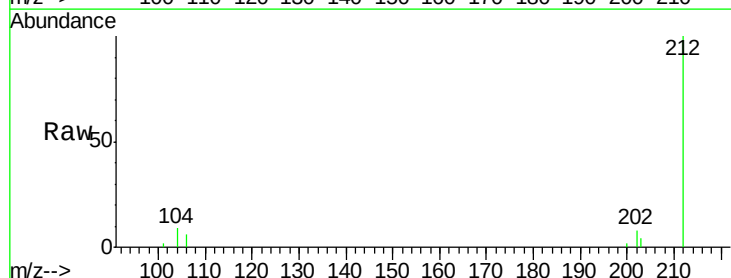
Instrument :
BNA_M
ClientSampleId :
JG9J0

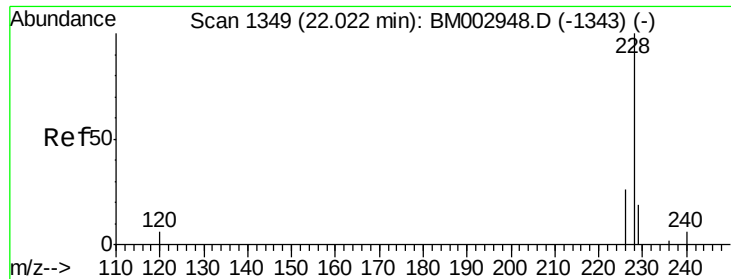
Tgt Ion: 202 Resp: 163
Ion Ratio Lower Upper
202 100
101 83.8 0.0 33.1#
203 175.1 0.0 37.2#



#19
Pyrene
Concen: 0.09 ng/ul
RT: 20.30 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM002966.D
Acq: 22 Oct 2015 02:26

Tgt Ion: 202 Resp: 8050
Ion Ratio Lower Upper
202 100
200 27.1 18.0 27.0#
203 57.8 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.13 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. 0.05 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

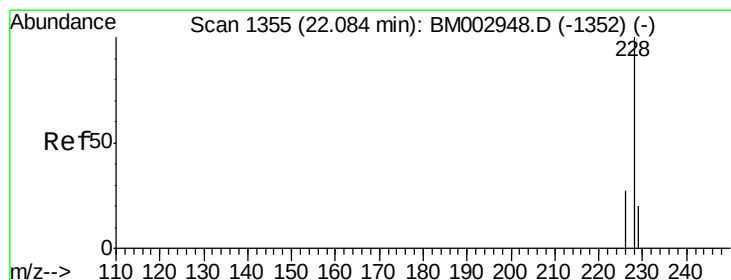
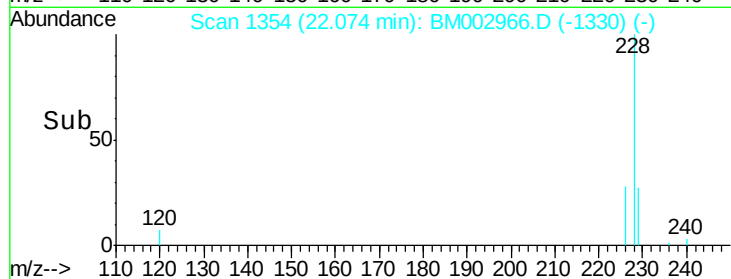
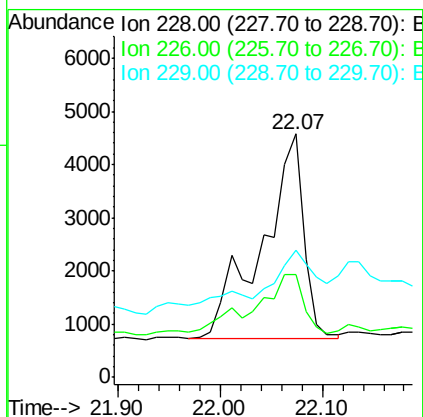
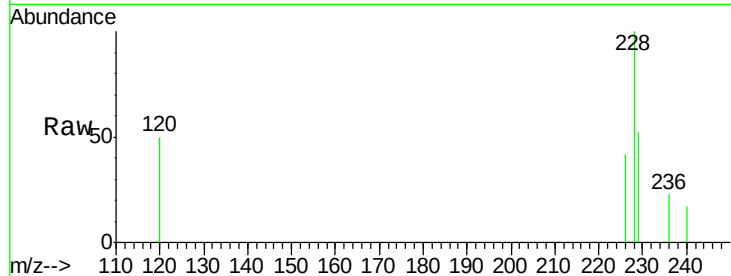
Tgt Ion:228 Resp: 10925

Ion Ratio Lower Upper

228 100

226 42.2 23.0 34.4#

229 52.0 15.2 22.8#



#21

Chrysene

Concen: 0.13 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

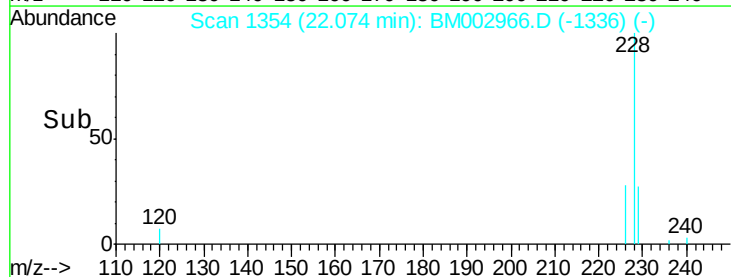
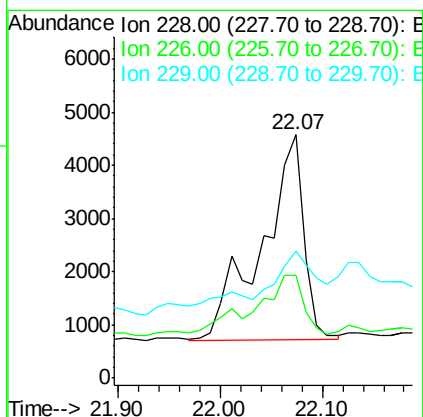
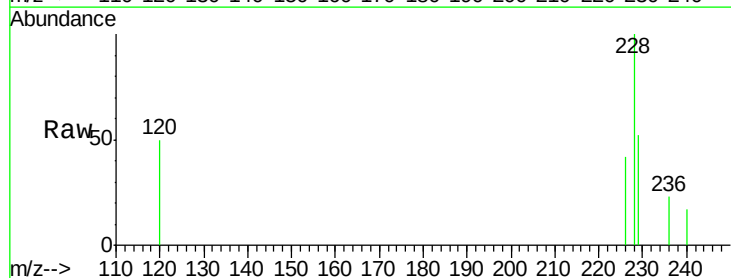
Tgt Ion:228 Resp: 10964

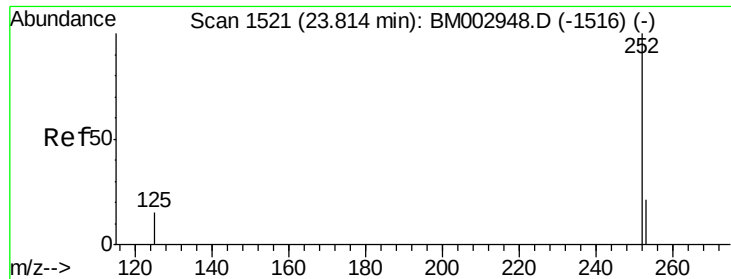
Ion Ratio Lower Upper

228 100

226 42.2 25.7 38.5#

229 52.0 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

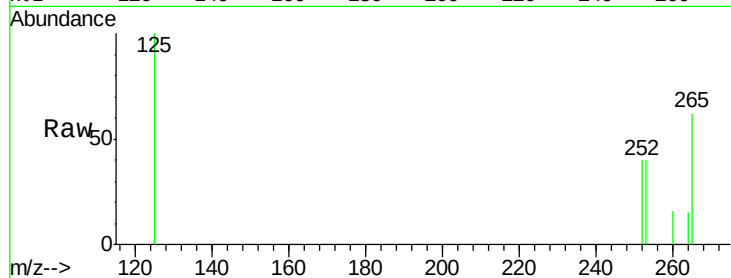
Tgt Ion:252 Resp: 2969

Ion Ratio Lower Upper

252 100

253 100.4 0.0 48.0#

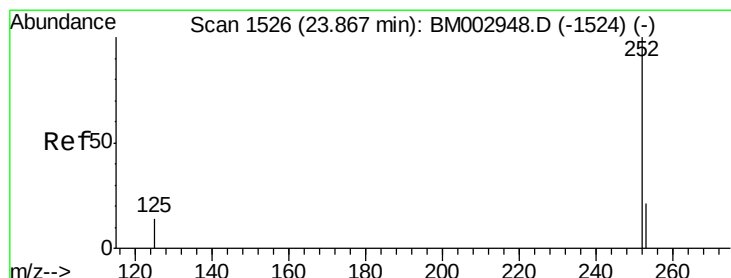
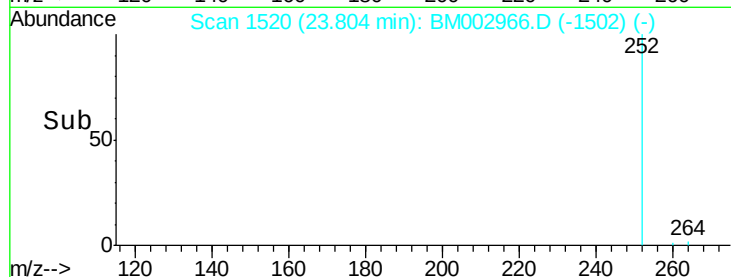
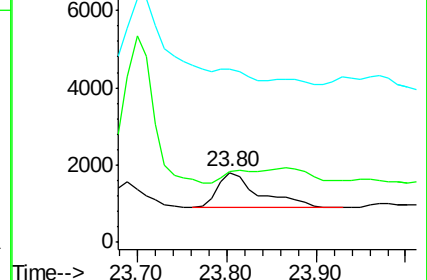
125 248.1 0.0 36.6#



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: 0.04 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.06 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

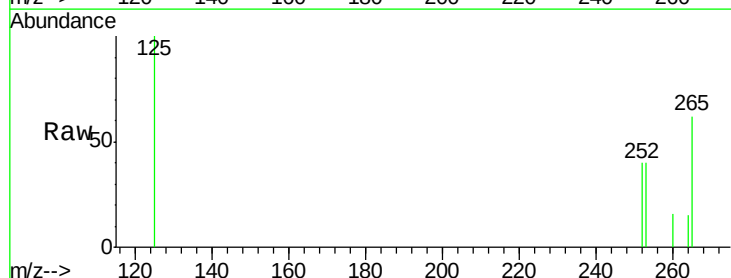
Tgt Ion:252 Resp: 2969

Ion Ratio Lower Upper

252 100

253 100.4 20.8 31.2#

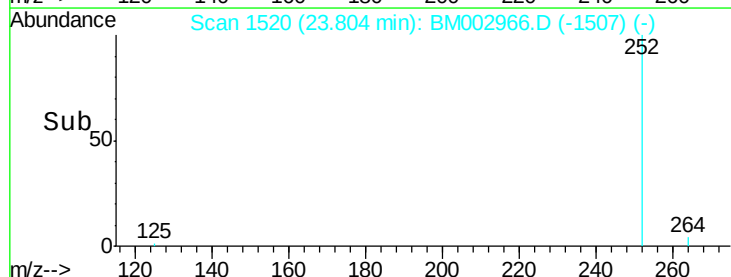
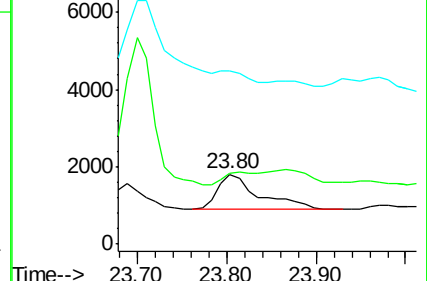
125 248.1 12.2 18.4#

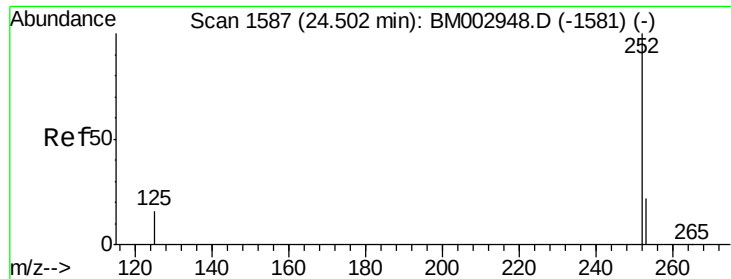


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

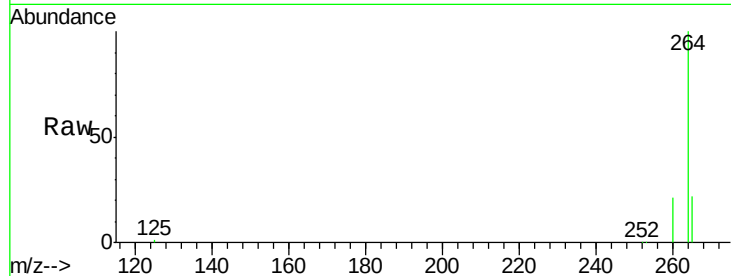
Tgt Ion: 252 Resp: 6170

Ion Ratio Lower Upper

252 100

253 61.3 21.8 32.8#

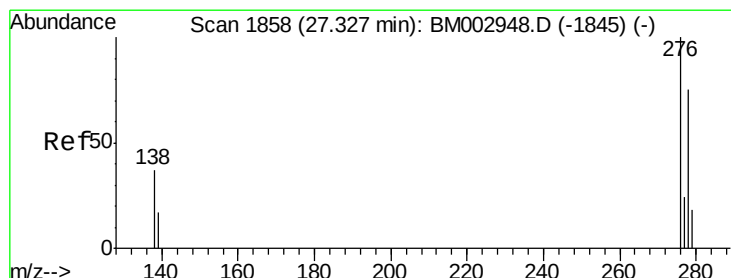
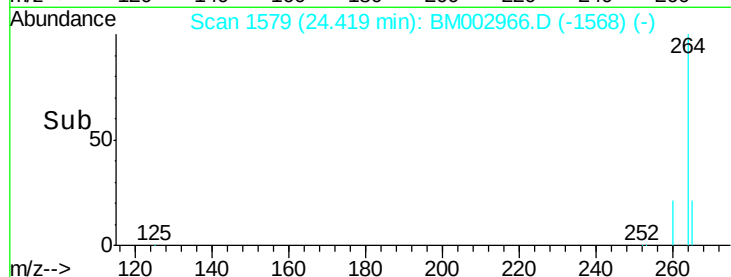
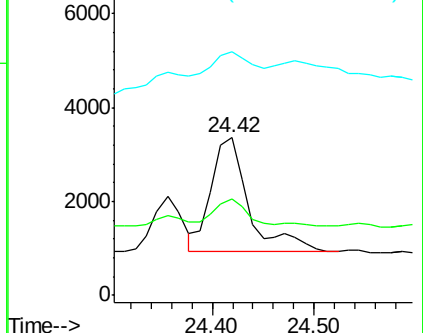
125 154.7 14.5 21.7#



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: 0.01 ng/ul

RT: 27.32 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

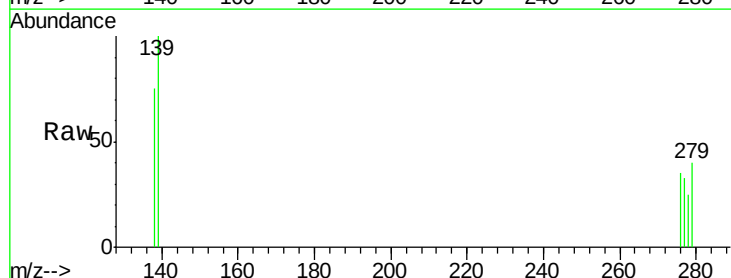
Tgt Ion: 276 Resp: 635

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

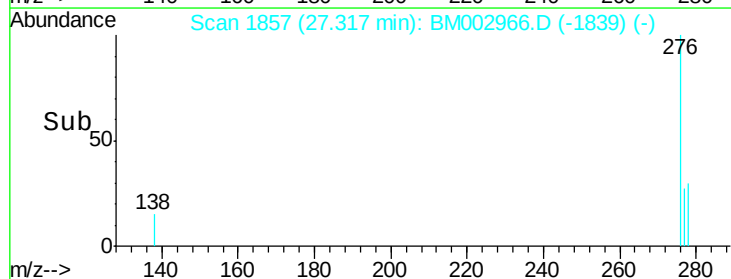
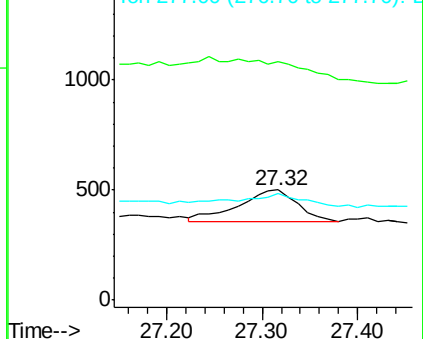
277 48.5 19.3 28.9#

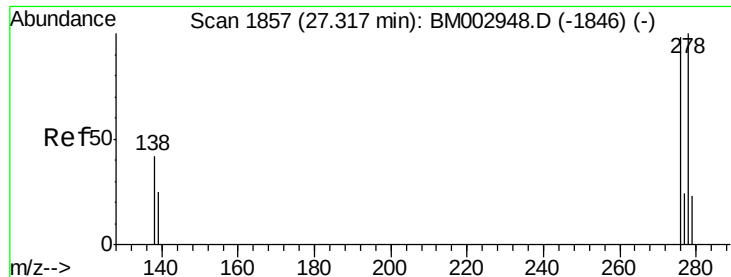


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 27.25 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

Instrument :

BNA_M

ClientSampleId :

JG9J0

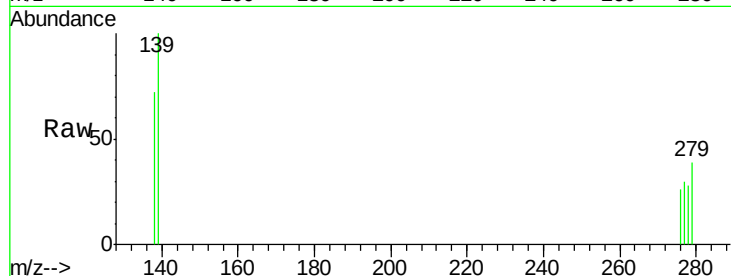
Tgt Ion:278 Resp: 615

Ion Ratio Lower Upper

278 100

139 355.9 21.7 32.5#

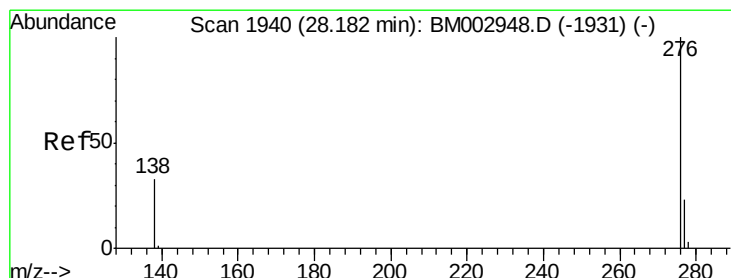
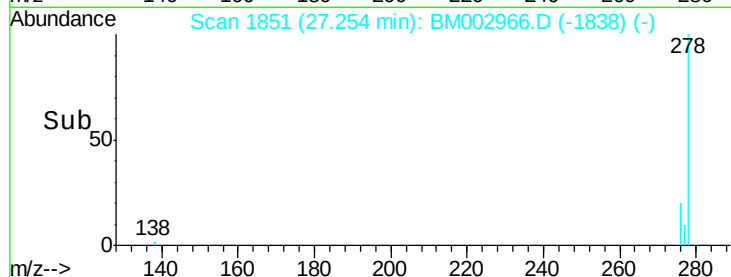
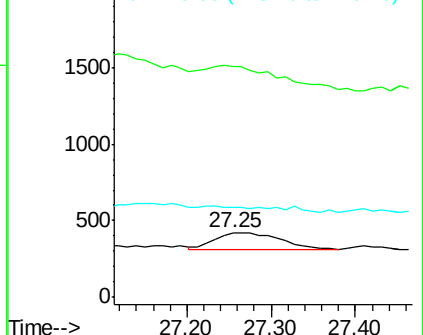
279 137.7 21.9 32.9#



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: 0.02 ng/ul

RT: 28.16 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BM002966.D

Acq: 22 Oct 2015 02:26

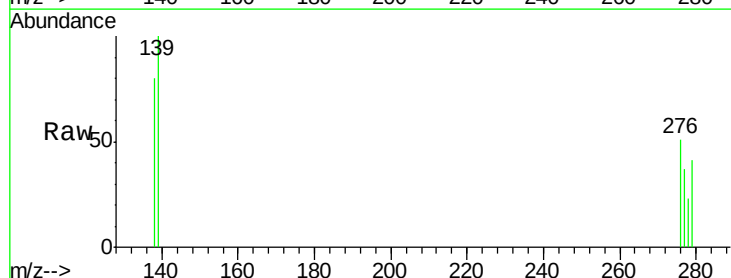
Tgt Ion:276 Resp: 1352

Ion Ratio Lower Upper

276 100

277 72.7 21.3 31.9#

138 155.7 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

