

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002967.D
 Acq On : 22 Oct 2015 03:02
 Operator : UM/IZ
 Sample : G4075-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9K6

Quant Time: Oct 22 12:05:50 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	7359	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.48	136	31715	0.40	ng/ul	-0.02
8) Acenaphthene-d10	15.23	164	17250	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1626001	0.40	ng/ul	0.08
18) Chrysene-d12	22.03	240	28555	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	24263	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	22002	2.80	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	9847	0.19	ng/ul	-0.01
16) Fluoranthene-d10	19.91	212	19879	0.00	ng/ul	-0.01

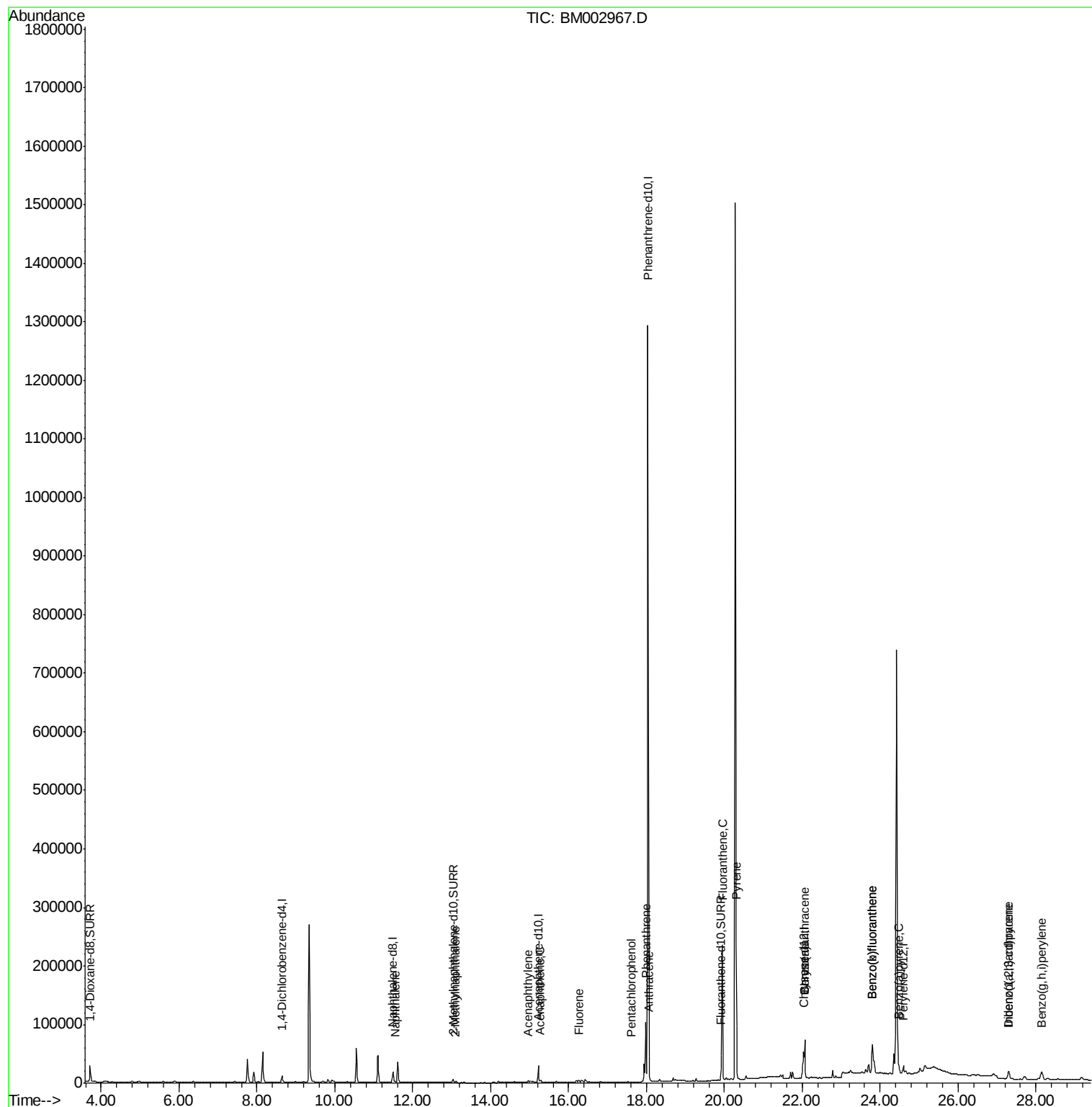
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.54	128	2953	0.04	ng/ul#	87
7) 2-Methylnaphthalene	13.10	142	2758	0.05	ng/ul	99
9) Acenaphthylene	14.96	152	5237	0.05	ng/ul#	94
10) Acenaphthene	15.28	153	2436	0.04	ng/ul#	93
11) Fluorene	16.25	166	2852	0.04	ng/ul#	95
13) Pentachlorophenol	17.61	266	382	0.00	ng/ul	91
14) Phenanthrene	17.98	178	135066	0.03	ng/ul	94
15) Anthracene	18.06	178	7756	0.00	ng/ul#	72
17) Fluoranthene	19.95	202	255768	0.04	ng/ul	91
19) Pyrene	20.30	202	194545	1.88	ng/ul	96
20) Benzo(a)anthracene	22.06	228	101214	1.07	ng/ul#	93
21) Chrysene	22.06	228	101214	1.05	ng/ul#	96
23) Benzo(b)fluoranthene	23.79	252	118519	1.38	ng/ul#	76
24) Benzo(k)fluoranthene	23.79	252	118519	1.42	ng/ul#	76
25) Benzo(a)pyrene	24.47	252	21385	0.26	ng/ul#	15
26) Indeno(1,2,3-cd)pyrene	27.30	276	26756	0.30	ng/ul#	93
27) Dibenzo(a,h)anthracene	27.29	278	5349	0.07	ng/ul#	1
28) Benzo(g,h,i)perylene	28.15	276	30098	0.41	ng/ul#	76

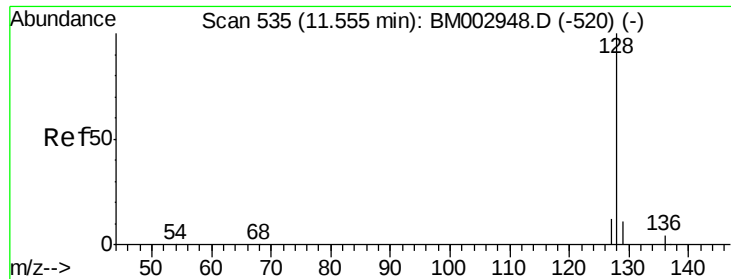
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

Instrument :

BNA_M

ClientSampleId :

JG9K6

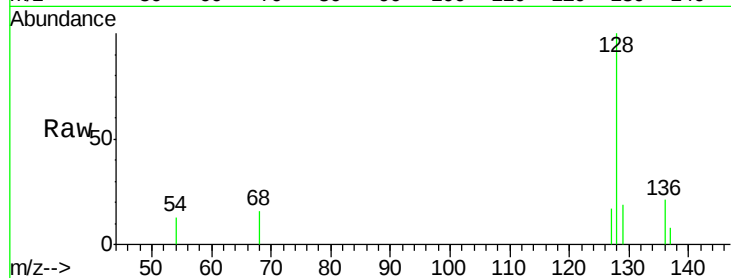
Tgt Ion:128 Resp: 2953

Ion Ratio Lower Upper

128 100

129 19.0 9.8 14.8#

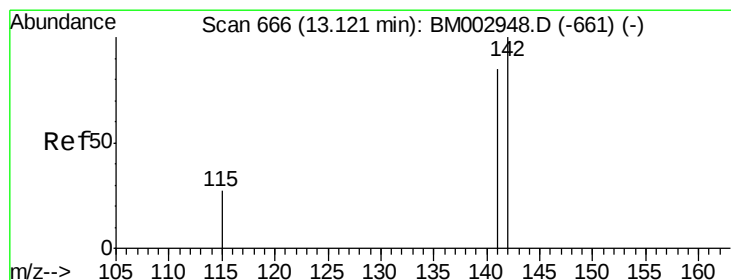
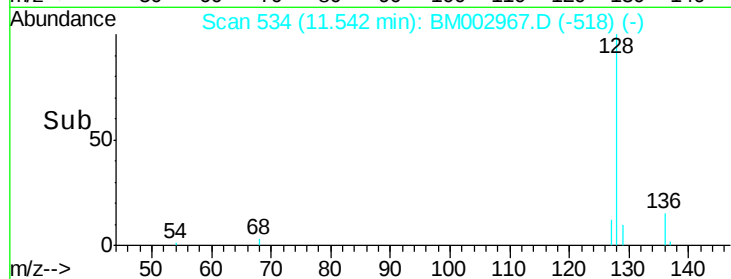
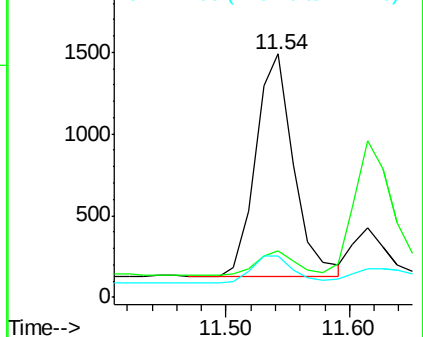
127 17.2 10.7 16.1#



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: 0.05 ng/ul

RT: 13.10 min Scan# 664

Delta R.T. -0.02 min

Lab File: BM002967.D

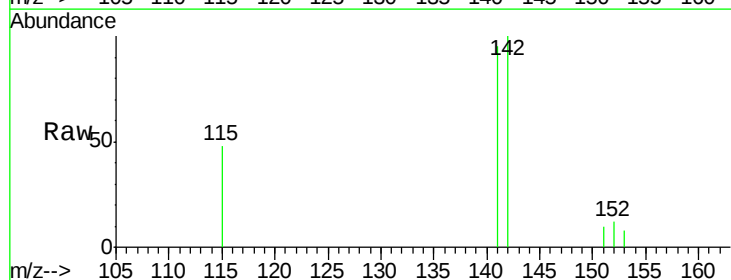
Acq: 22 Oct 2015 03:02

Tgt Ion:142 Resp: 2758

Ion Ratio Lower Upper

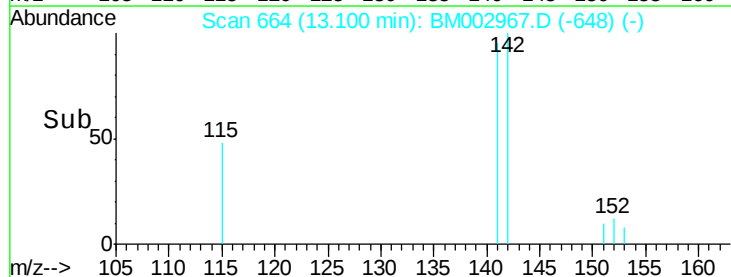
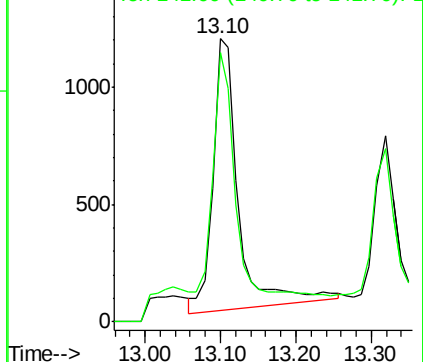
142 100

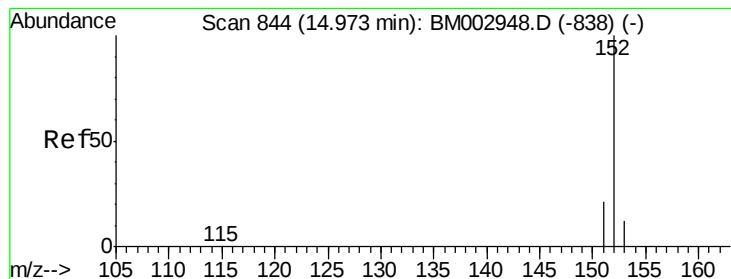
141 87.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.01 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

Instrument :

BNA_M

ClientSampleId :

JG9K6

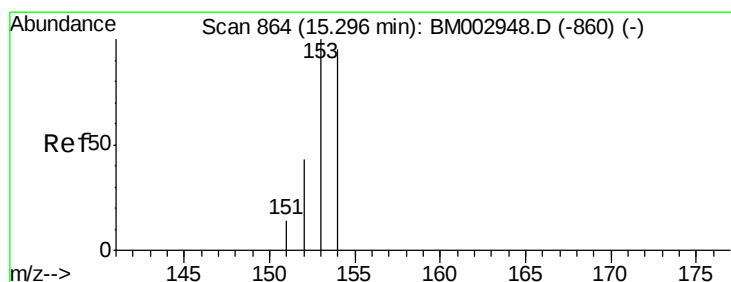
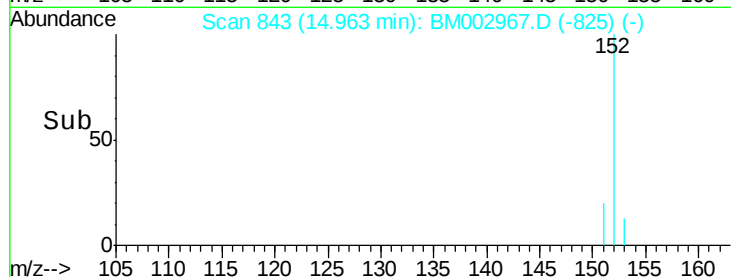
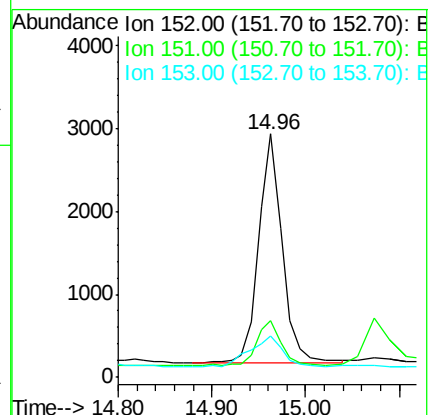
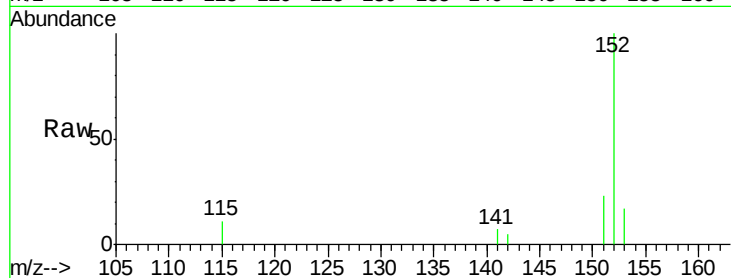
Tgt Ion:152 Resp: 5237

Ion Ratio Lower Upper

152 100

151 23.4 16.8 25.2

153 17.2 11.3 16.9#



#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.02 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

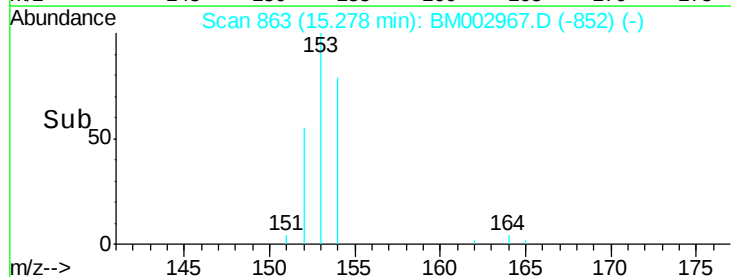
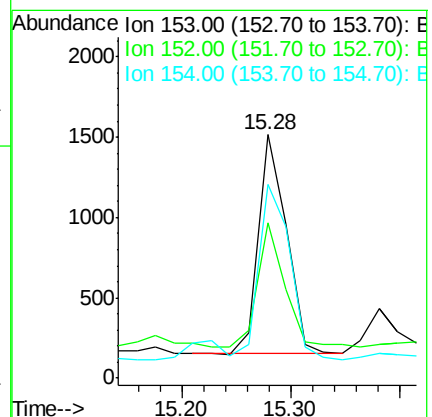
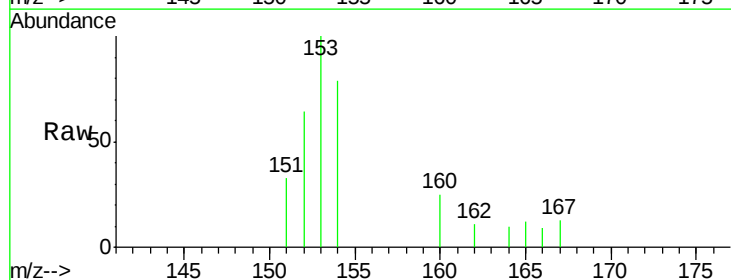
Tgt Ion:153 Resp: 2436

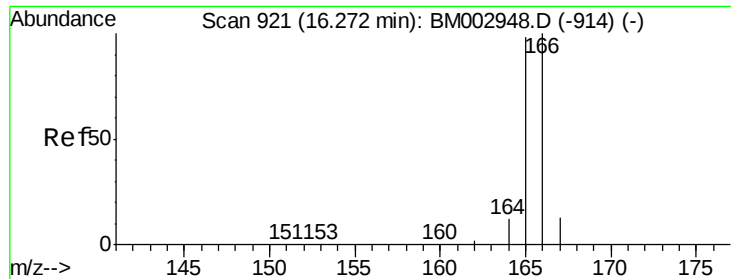
Ion Ratio Lower Upper

153 100

152 64.0 42.3 63.5#

154 79.4 64.7 97.1

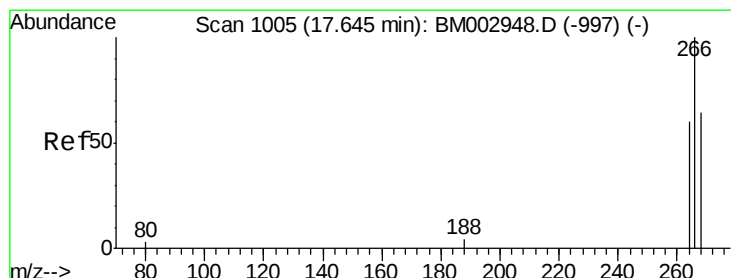
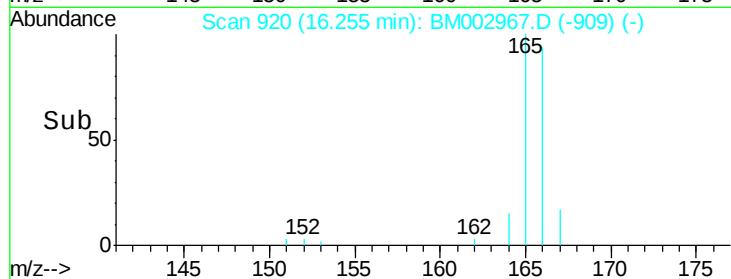
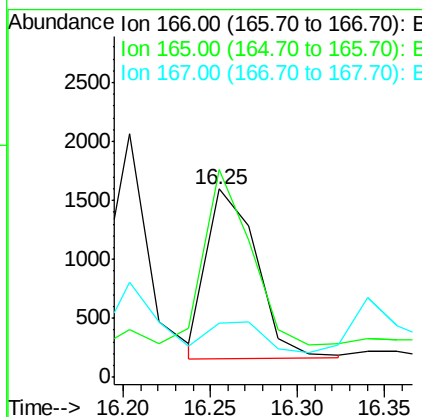
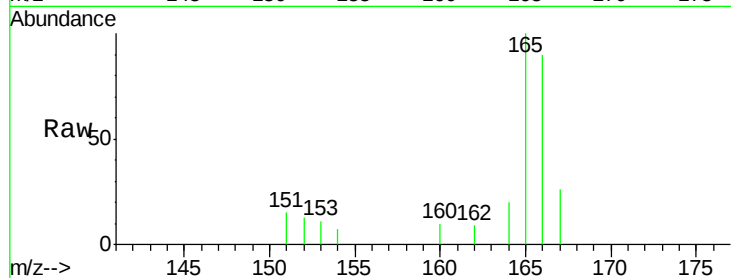




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 16.25 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BM002967.D
 Acq: 22 Oct 2015 03:02

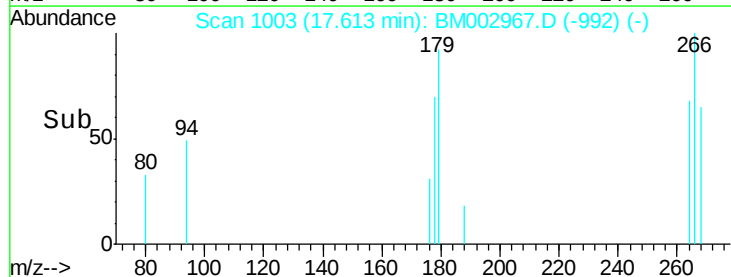
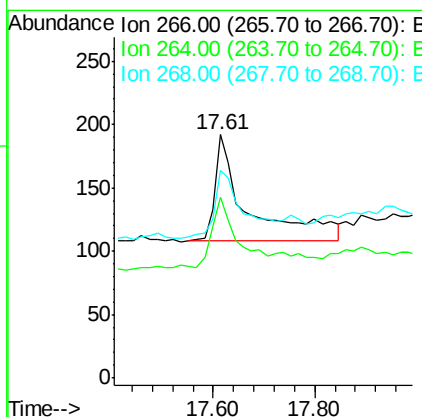
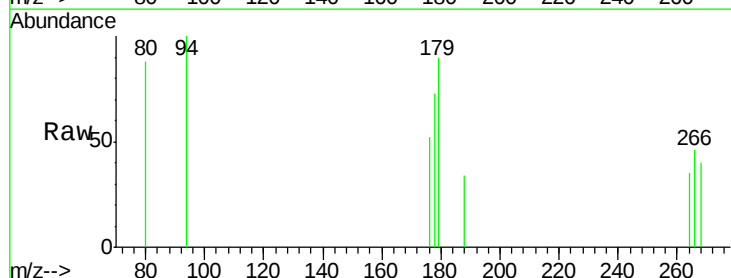
Instrument :
 BNA_M
 ClientSampleId :
 JG9K6

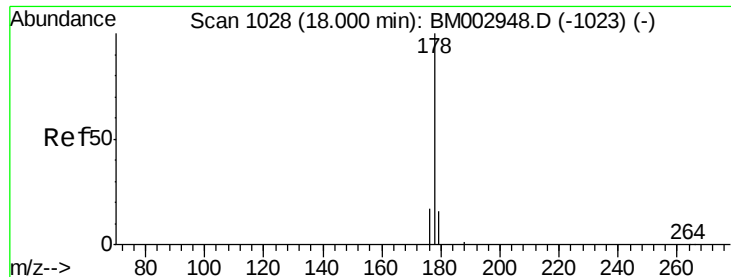
Tgt Ion:166 Resp: 2852
 Ion Ratio Lower Upper
 166 100
 165 110.9 87.6 131.4
 167 28.7 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 17.61 min Scan# 1003
 Delta R.T. -0.03 min
 Lab File: BM002967.D
 Acq: 22 Oct 2015 03:02

Tgt Ion:266 Resp: 382
 Ion Ratio Lower Upper
 266 100
 264 66.2 53.5 80.3
 268 54.2 54.2 81.2





#14

Phenanthrene

Concen: 0.03 ng/u1

RT: 17.98 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

Instrument :

BNA_M

ClientSampleId :

JG9K6

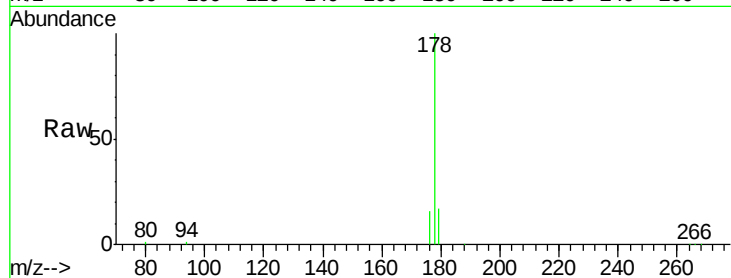
Tgt Ion:178 Resp: 135066

Ion Ratio Lower Upper

178 100

176 16.5 16.2 24.4

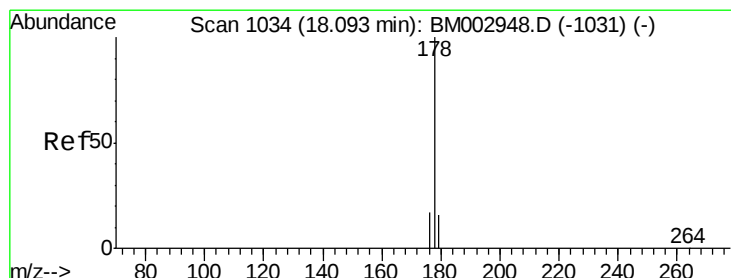
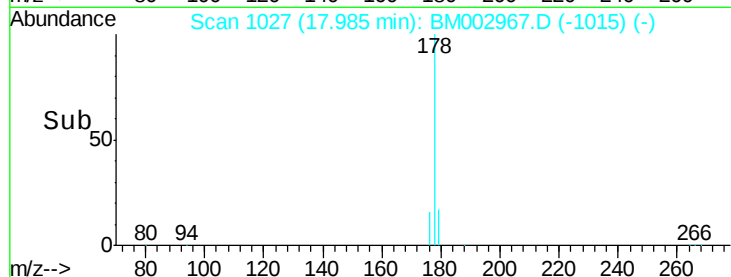
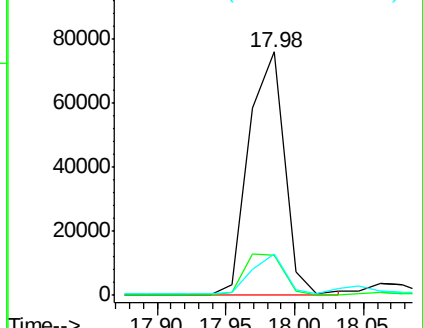
179 17.2 12.8 19.2



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/u1

RT: 18.06 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

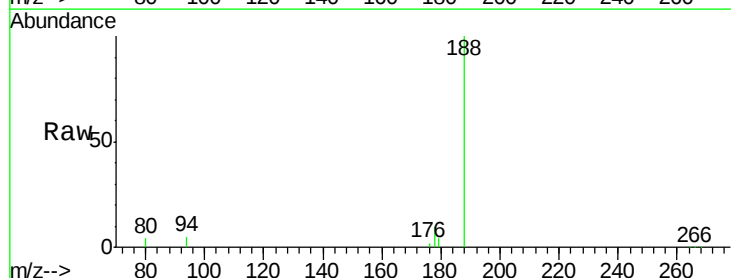
Tgt Ion:178 Resp: 7756

Ion Ratio Lower Upper

178 100

176 24.1 15.8 23.8#

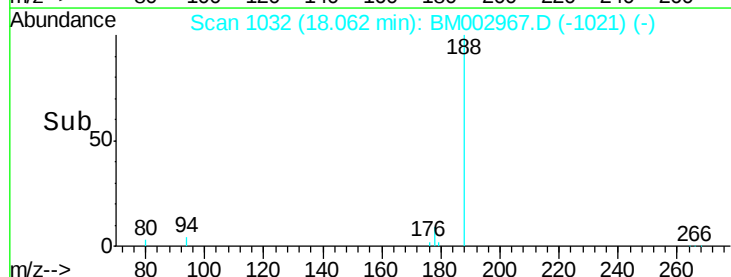
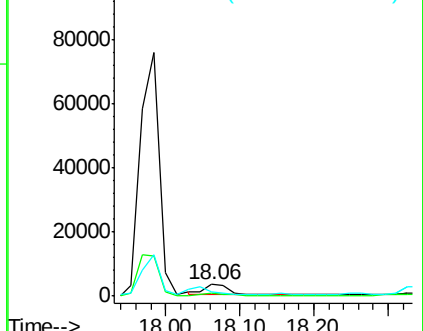
179 37.8 13.3 19.9#

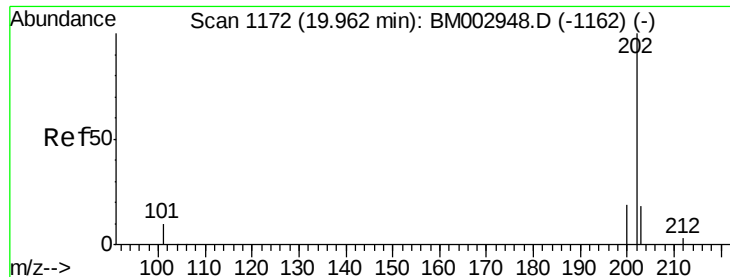


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

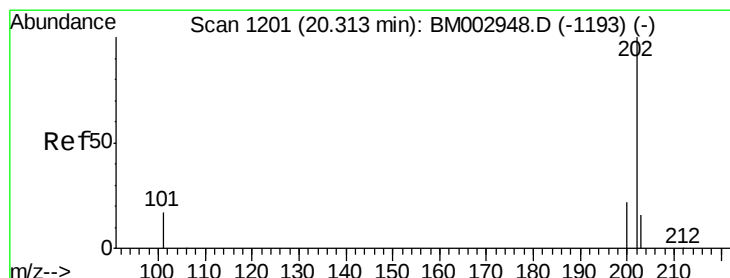
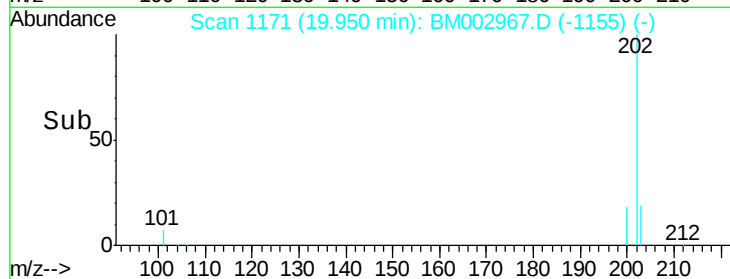
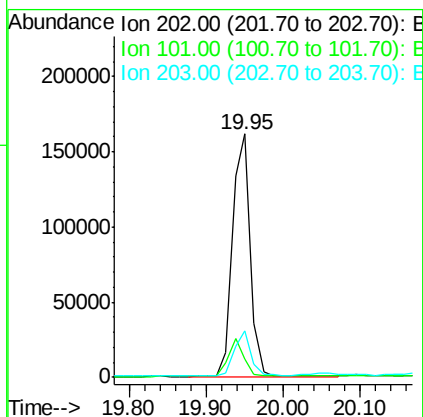
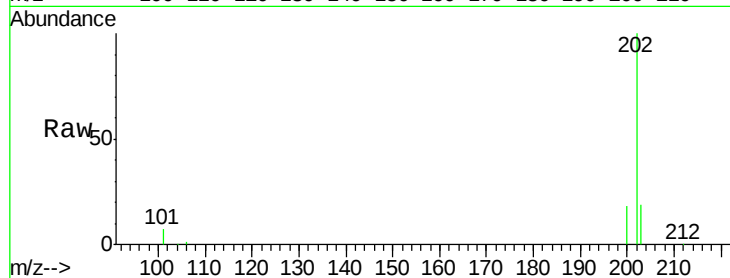




#17
Fluoranthene
 Concen: 0.04 ng/ul
 RT: 19.95 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BM002967.D
 Acq: 22 Oct 2015 03:02

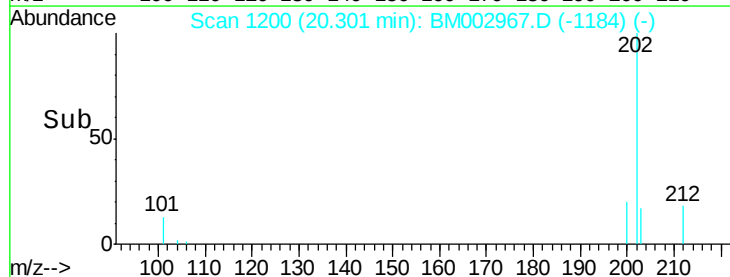
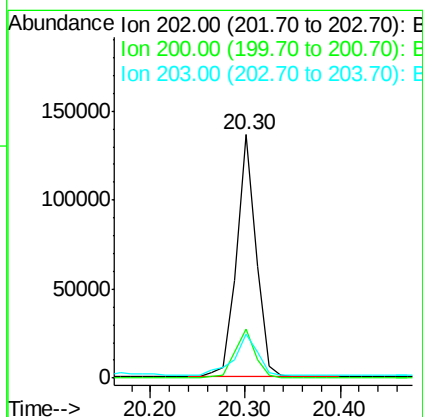
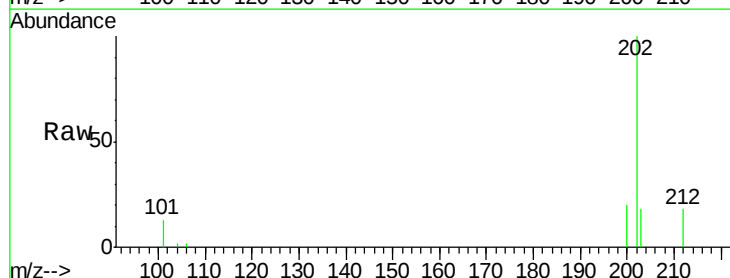
Instrument :
 BNA_M
 ClientSampleId :
 JG9K6

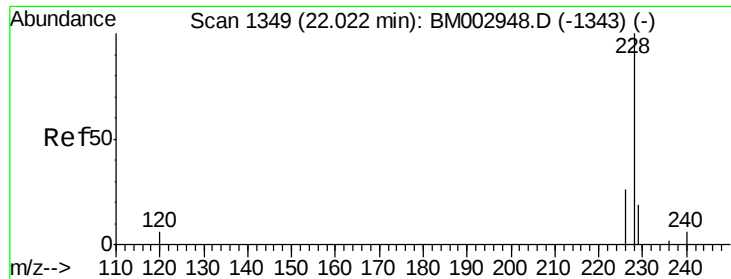
Tgt Ion:202 Resp: 255768
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 33.1
 203 19.2 0.0 37.2



#19
Pyrene
 Concen: 1.88 ng/ul
 RT: 20.30 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BM002967.D
 Acq: 22 Oct 2015 03:02

Tgt Ion:202 Resp: 194545
 Ion Ratio Lower Upper
 202 100
 200 20.4 18.0 27.0
 203 18.2 13.8 20.6





#20

Benzo(a)anthracene

Concen: 1.07 ng/ul

RT: 22.06 min Scan# 1353

Delta R.T. 0.04 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

Instrument :

BNA_M

ClientSampleId :

JG9K6

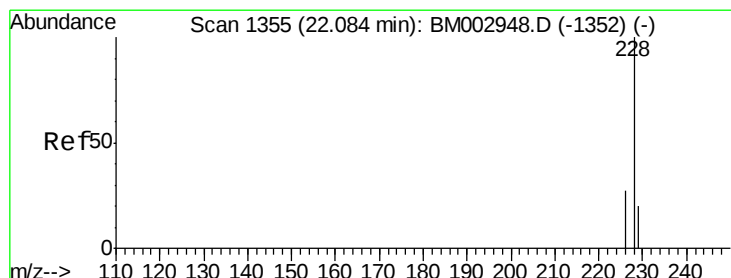
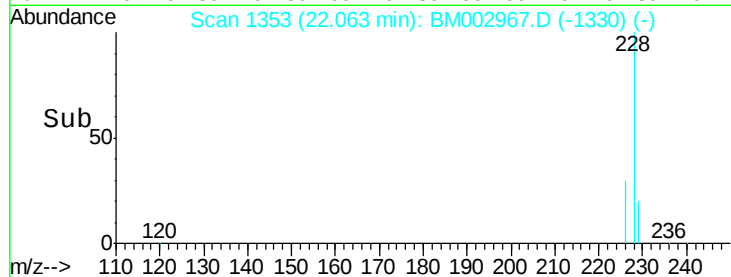
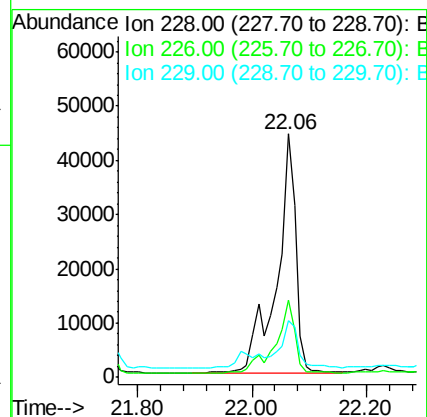
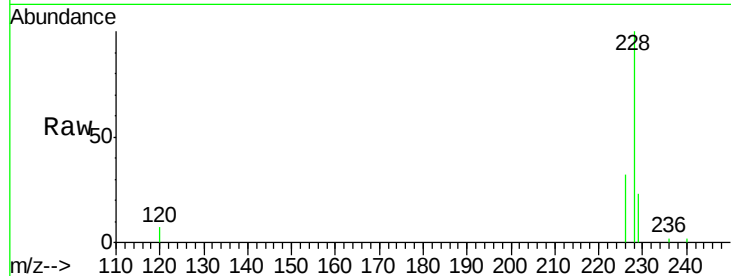
Tgt Ion:228 Resp: 101214

Ion Ratio Lower Upper

228 100

226 31.6 23.0 34.4

229 23.2 15.2 22.8#



#21

Chrysene

Concen: 1.05 ng/ul

RT: 22.06 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

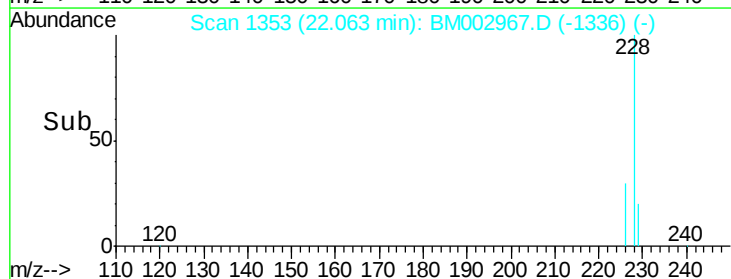
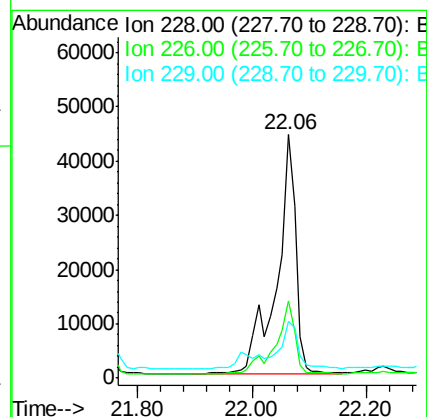
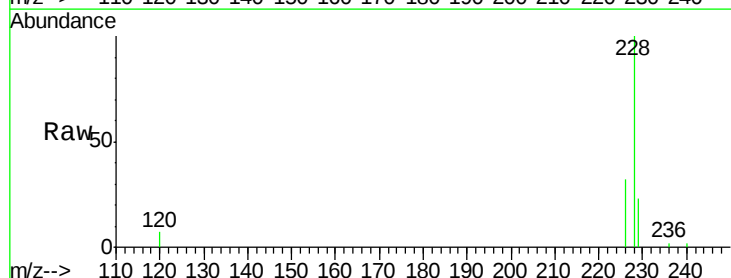
Tgt Ion:228 Resp: 101214

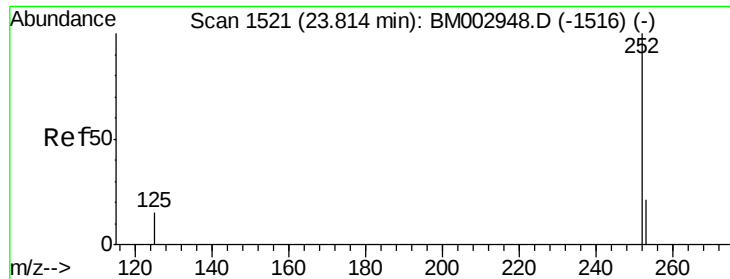
Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

229 23.2 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 1.38 ng/ul

RT: 23.79 min Scan# 1519

Delta R.T. -0.02 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

Instrument :

BNA_M

ClientSampleId :

JG9K6

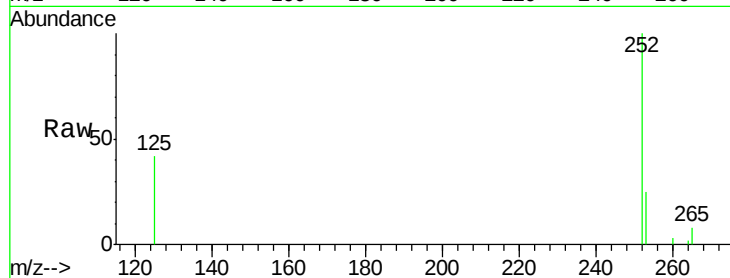
Tgt Ion:252 Resp: 118519

Ion Ratio Lower Upper

252 100

253 25.0 0.0 48.0

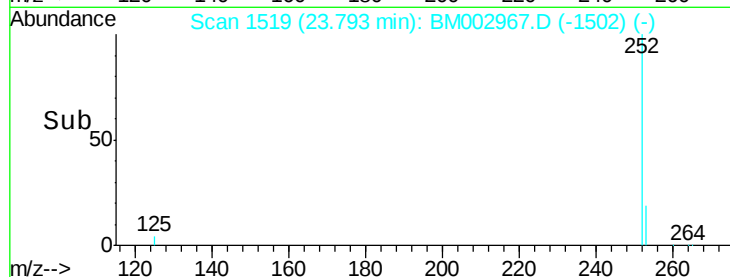
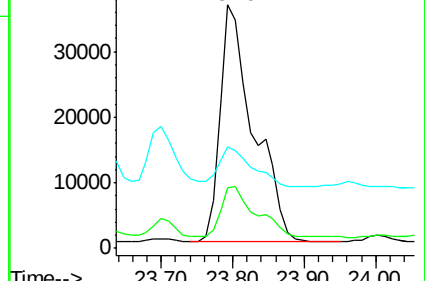
125 41.6 0.0 36.6#



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: 1.42 ng/ul

RT: 23.79 min Scan# 1519

Delta R.T. -0.07 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

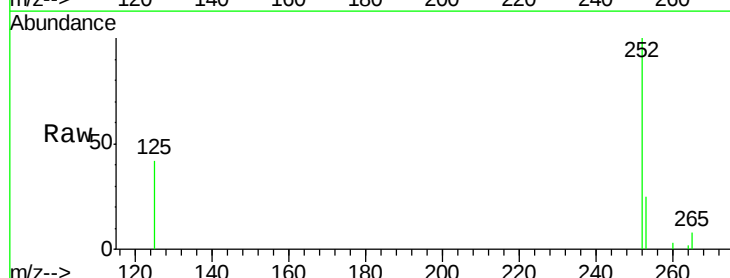
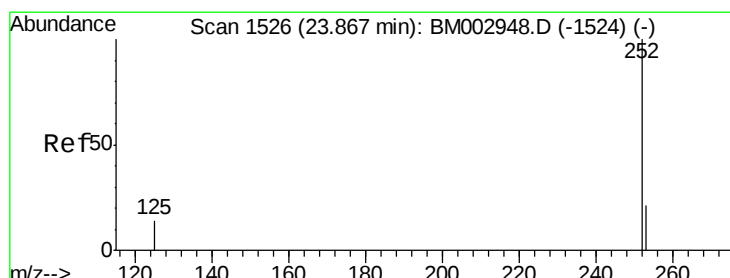
Tgt Ion:252 Resp: 118519

Ion Ratio Lower Upper

252 100

253 25.0 20.8 31.2

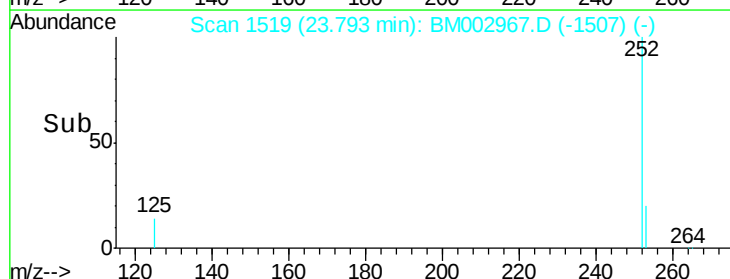
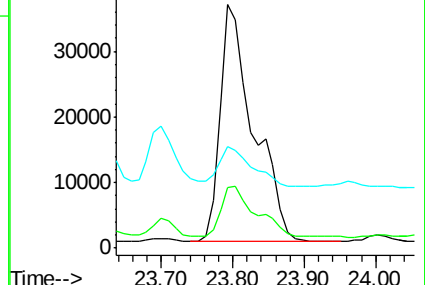
125 41.6 12.2 18.4#

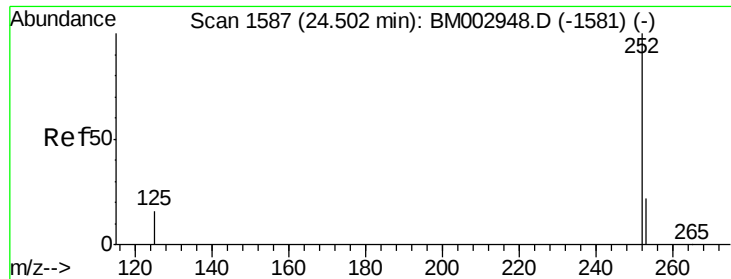


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.26 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

Instrument :

BNA_M

ClientSampleId :

JG9K6

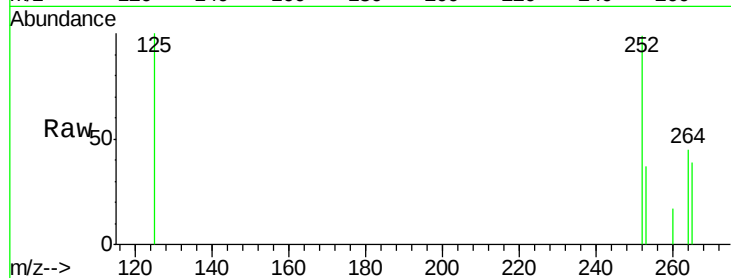
Tgt Ion:252 Resp: 21385

Ion Ratio Lower Upper

252 100

253 37.0 21.8 32.8#

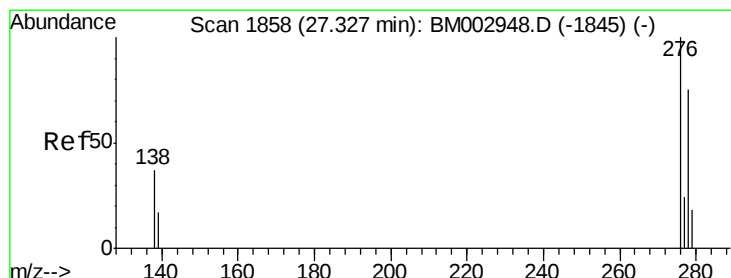
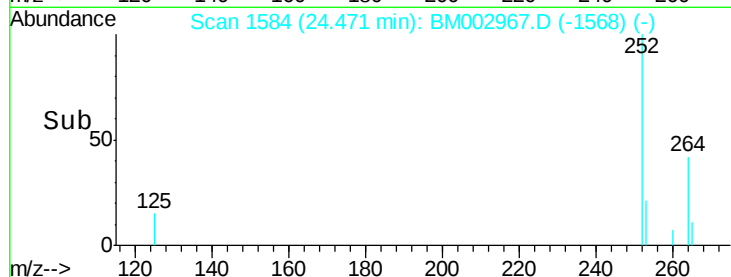
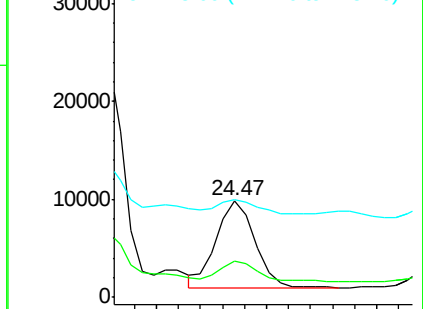
125 100.5 14.5 21.7#



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: 0.30 ng/ul

RT: 27.30 min Scan# 1855

Delta R.T. -0.03 min

Lab File: BM002967.D

Acq: 22 Oct 2015 03:02

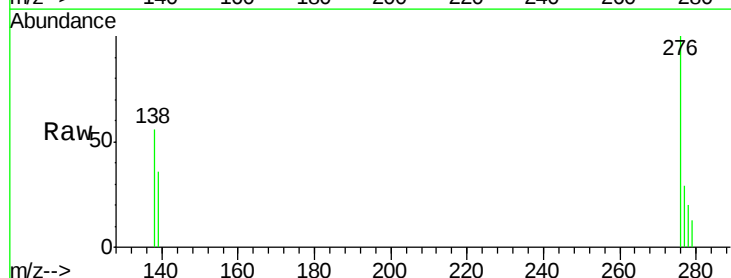
Tgt Ion:276 Resp: 26756

Ion Ratio Lower Upper

276 100

138 41.4 27.5 41.3#

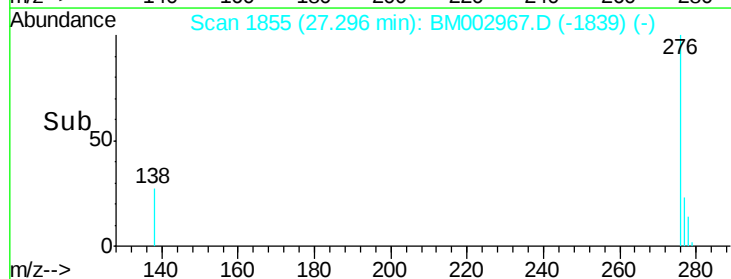
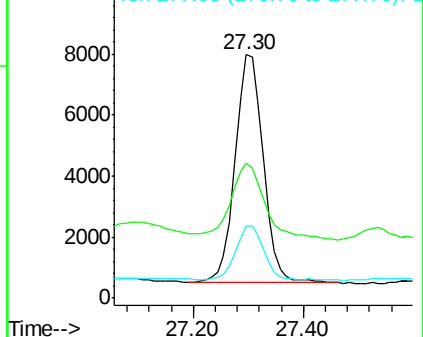
277 24.3 19.3 28.9

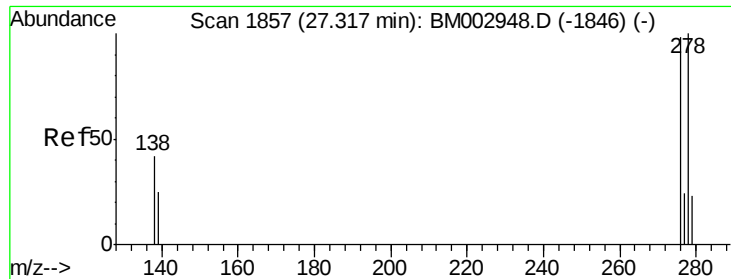


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

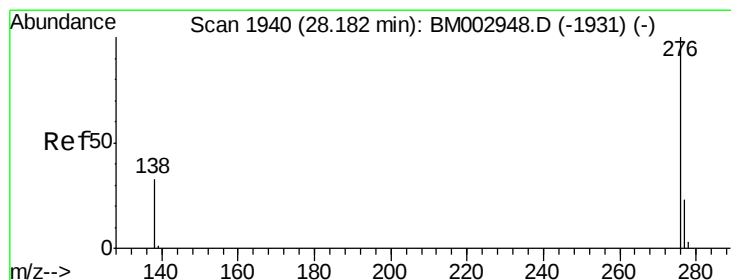
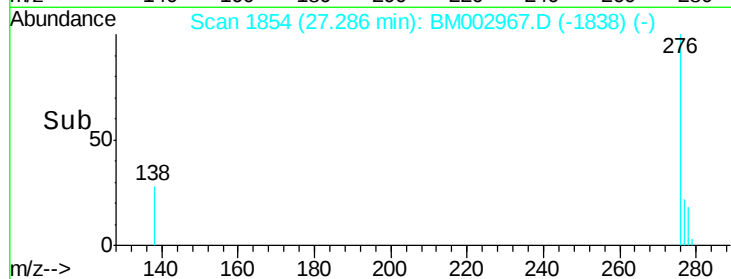
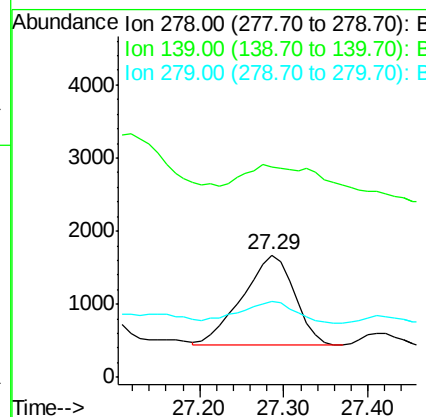
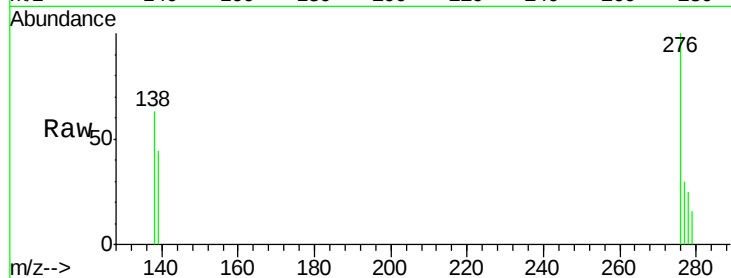




#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 27.29 min Scan# 1854
Delta R.T. -0.03 min
Lab File: BM002967.D
Acq: 22 Oct 2015 03:02

Instrument :
BNA_M
ClientSampleId :
JG9K6

Tgt Ion: 278 Resp: 5349
Ion Ratio Lower Upper
278 100
139 172.5 21.7 32.5#
279 61.8 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 28.15 min Scan# 1937
Delta R.T. -0.03 min
Lab File: BM002967.D
Acq: 22 Oct 2015 03:02

Tgt Ion: 276 Resp: 30098
Ion Ratio Lower Upper
276 100
277 29.4 21.3 31.9
138 53.4 25.5 38.3#

