

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002964.D
 Acq On : 22 Oct 2015 01:13
 Operator : UM/IZ
 Sample : G4075-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9K9

Quant Time: Oct 22 12:05:20 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

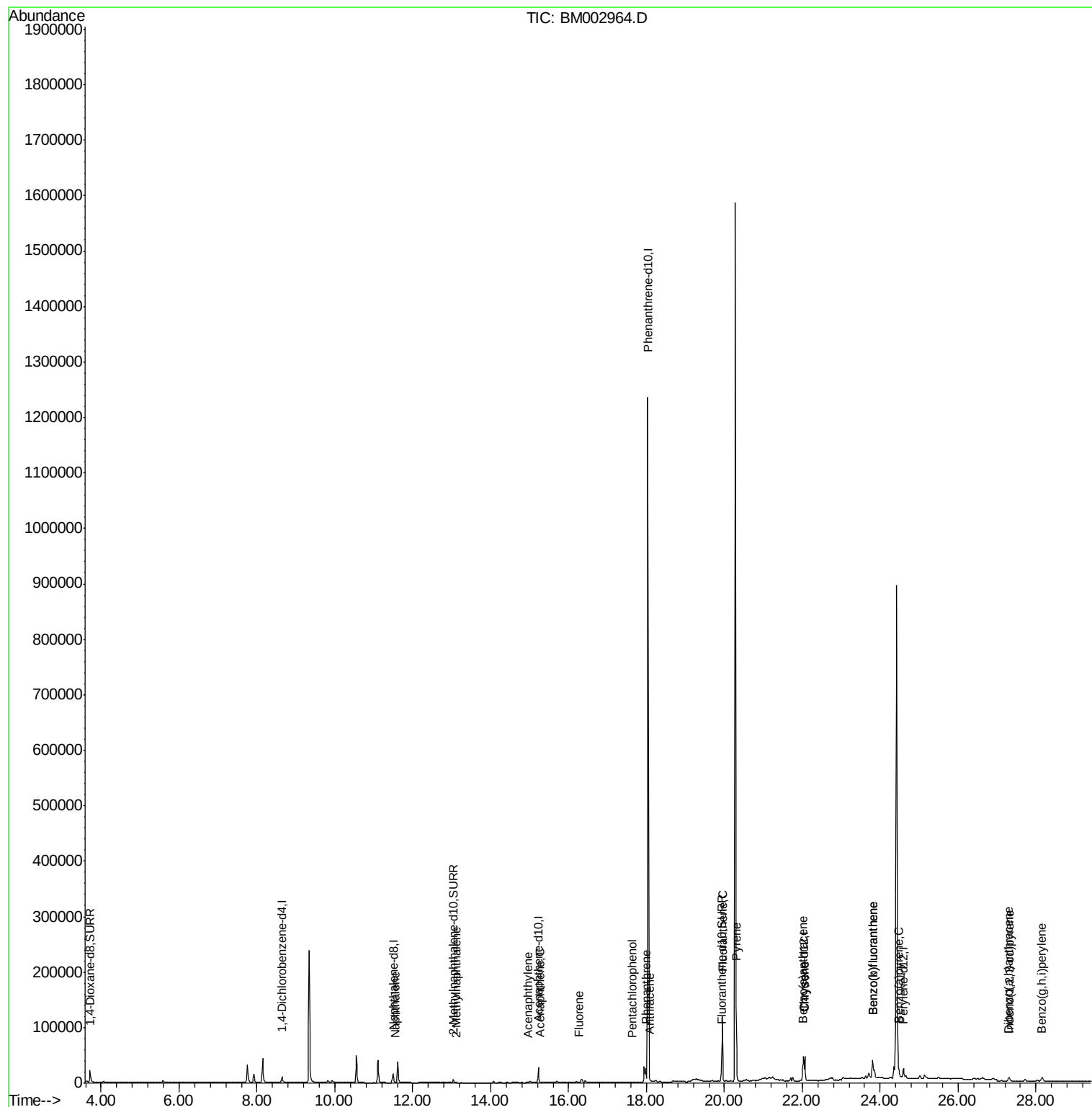
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5970	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.49	136	27577	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	15926	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1588140	0.40	ng/ul	0.08
18) Chrysene-d12	22.03	240	35966	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	29193	0.40	ng/ul	-0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	17154	2.69	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	8921	0.19	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	20622	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	11.54	128	375	0.01	ng/ul#	25
7) 2-Methylnaphthalene	13.11	142	819	0.02	ng/ul	95
9) Acenaphthylene	14.96	152	1771	0.02	ng/ul#	82
10) Acenaphthene	15.28	153	654	0.01	ng/ul#	80
11) Fluorene	16.25	166	916	0.01	ng/ul#	83
13) Pentachlorophenol	17.63	266	176	0.00	ng/ul#	83
14) Phenanthrene	17.98	178	30262	0.01	ng/ul	96
15) Anthracene	18.08	178	3521	0.00	ng/ul#	78
17) Fluoranthene	19.95	202	115440	0.02	ng/ul	94
19) Pyrene	20.30	202	102428	0.78	ng/ul	97
20) Benzo(a)anthracene	22.01	228	21837	0.18	ng/ul#	95
21) Chrysene	22.07	228	55283	0.46	ng/ul#	91
23) Benzo(b)fluoranthene	23.80	252	76282	0.74	ng/ul	83
24) Benzo(k)fluoranthene	23.80	252	76282	0.76	ng/ul#	84
25) Benzo(a)pyrene	24.47	252	21726	0.22	ng/ul#	57
26) Indeno(1,2,3-cd)pyrene	27.32	276	14635	0.14	ng/ul	96
27) Dibenzo(a,h)anthracene	27.30	278	3285	0.04	ng/ul#	1
28) Benzo(g,h,i)perylene	28.15	276	16187	0.18	ng/ul#	79

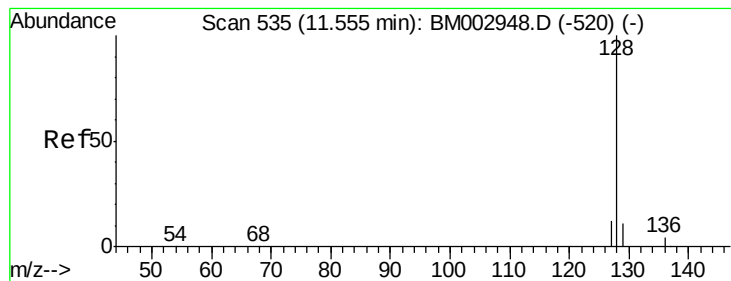
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

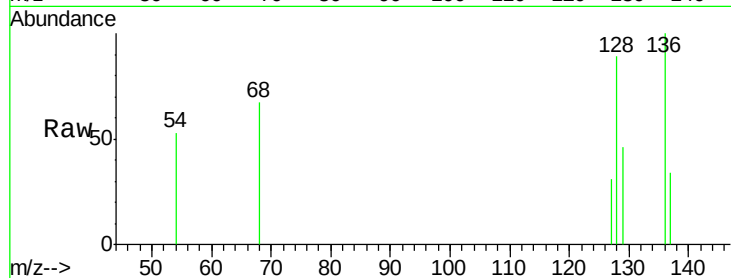
Tgt Ion:128 Resp: 375

Ion Ratio Lower Upper

128 100

129 51.0 9.8 14.8#

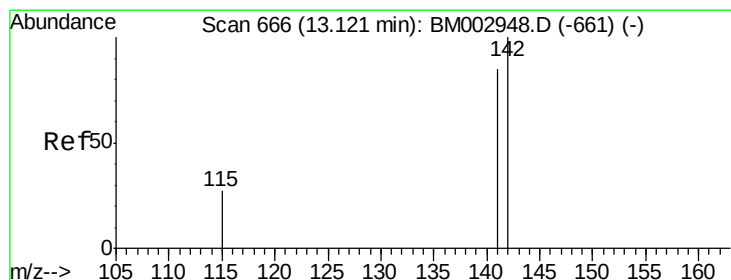
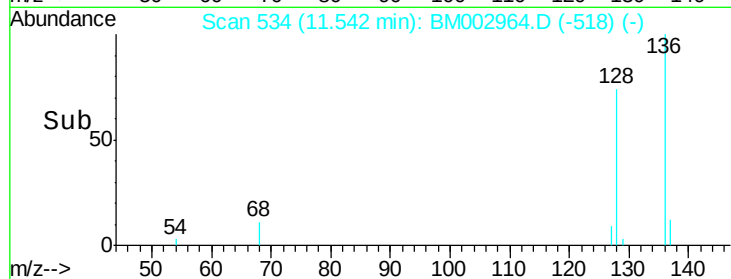
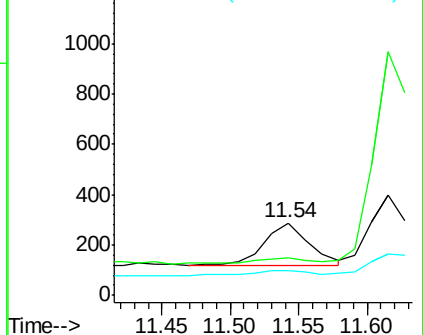
127 34.7 10.7 16.1#



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: 0.02 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM002964.D

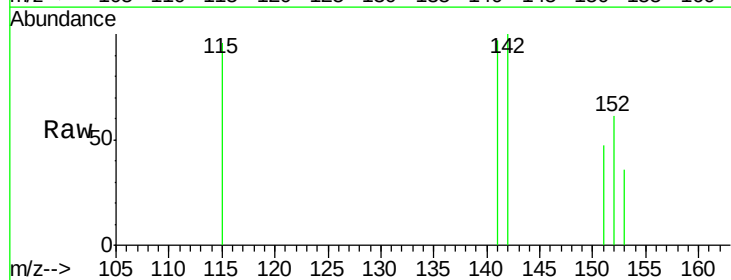
Acq: 22 Oct 2015 01:13

Tgt Ion:142 Resp: 819

Ion Ratio Lower Upper

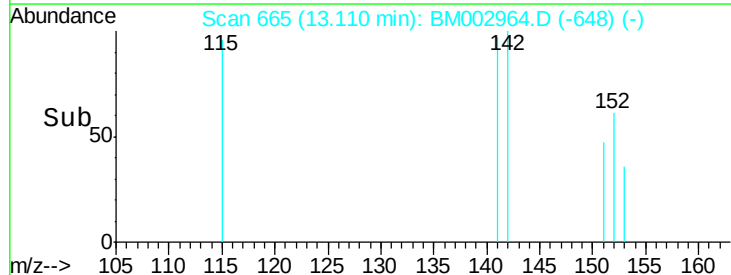
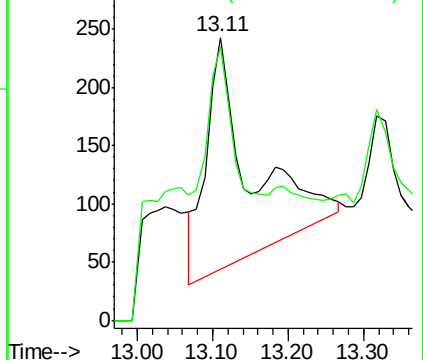
142 100

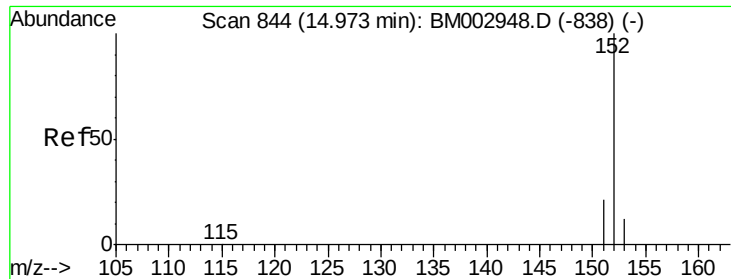
141 83.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.01 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

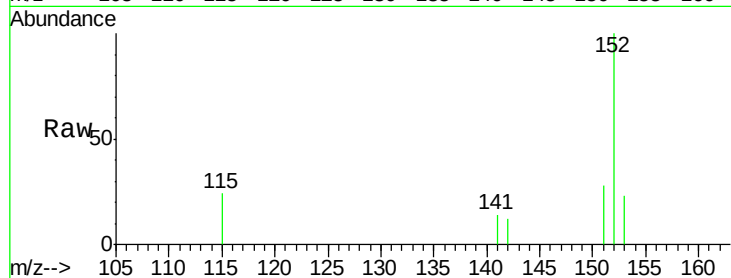
Tgt Ion:152 Resp: 1771

Ion Ratio Lower Upper

152 100

151 28.5 16.8 25.2#

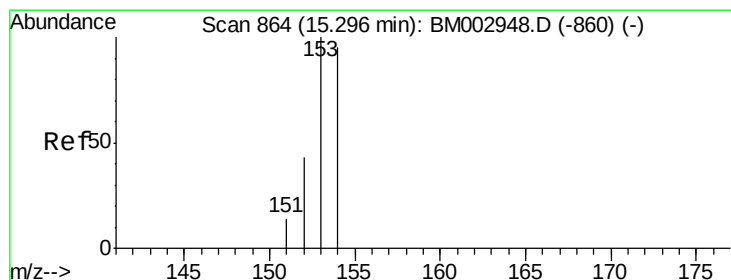
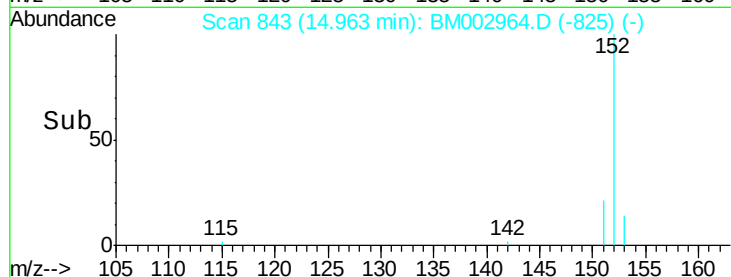
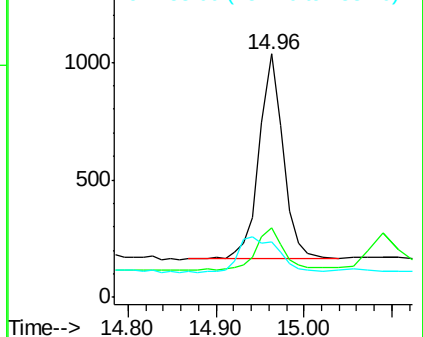
153 22.8 11.3 16.9#



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: 0.01 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.02 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

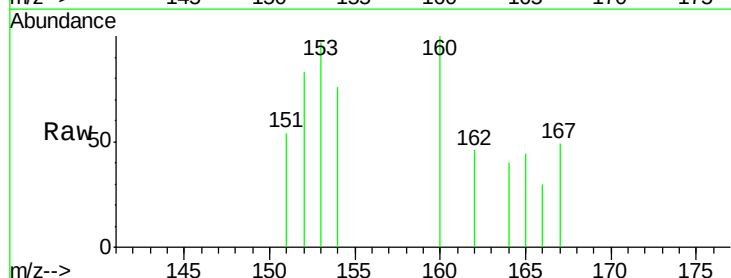
Tgt Ion:153 Resp: 654

Ion Ratio Lower Upper

153 100

152 85.9 42.3 63.5#

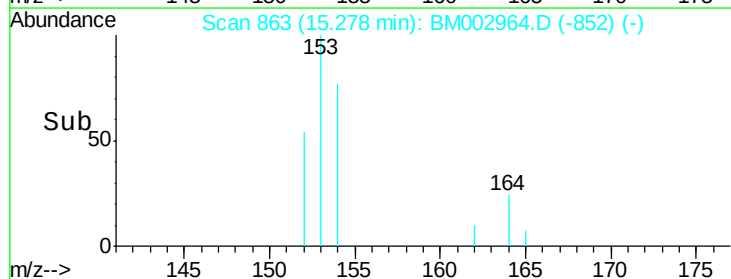
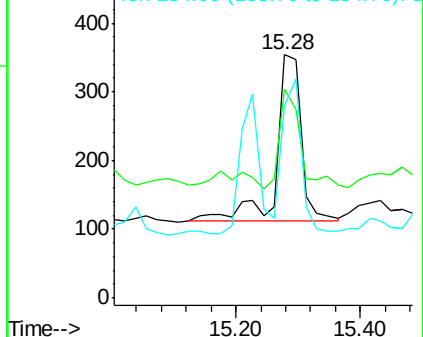
154 78.8 64.7 97.1

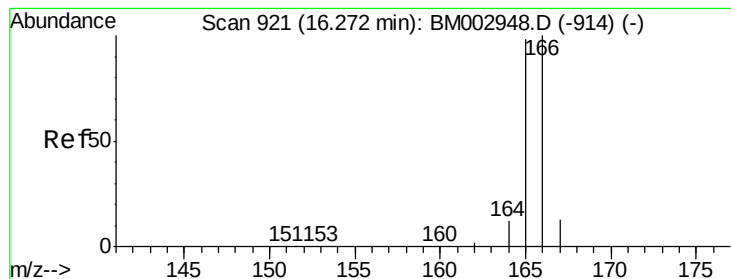


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.01 ng/ul

RT: 16.25 min Scan# 920

Delta R.T. -0.02 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

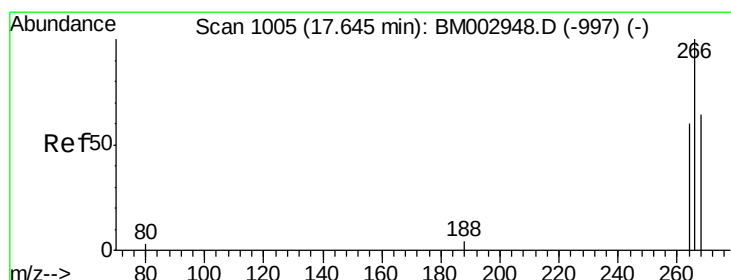
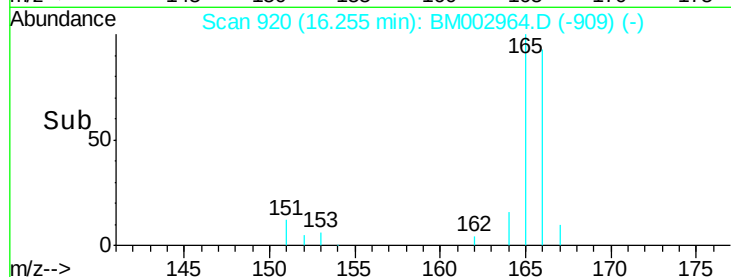
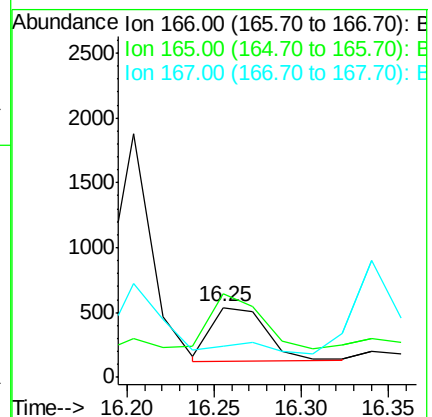
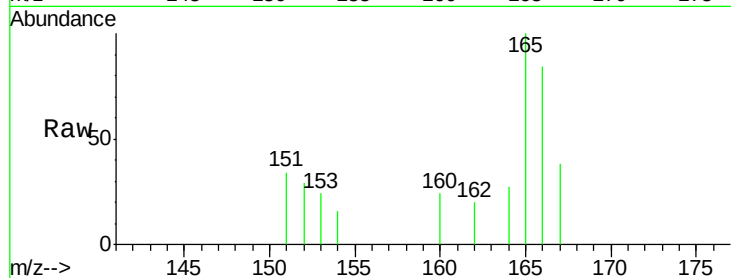
Tgt Ion:166 Resp: 916

Ion Ratio Lower Upper

166 100

165 119.6 87.6 131.4

167 45.6 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.63 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

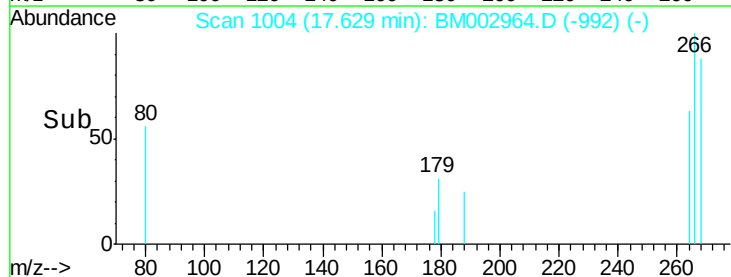
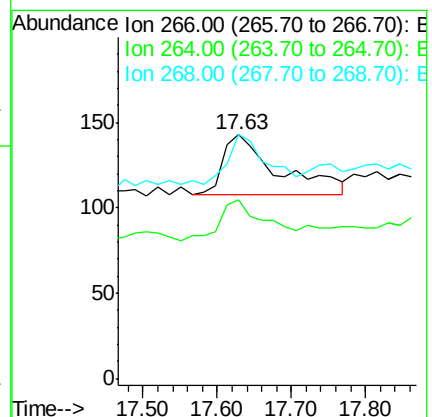
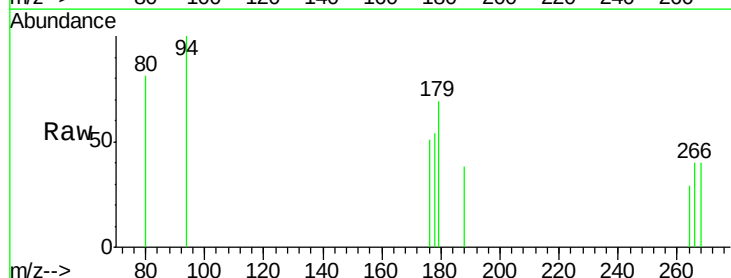
Tgt Ion:266 Resp: 176

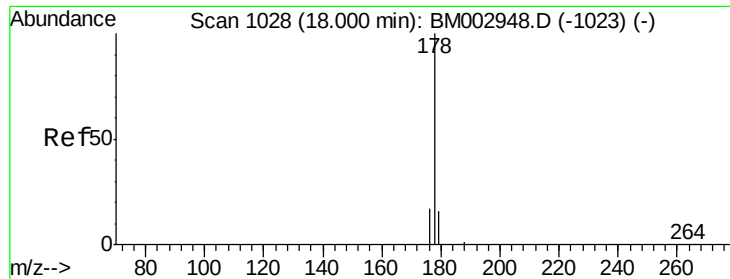
Ion Ratio Lower Upper

266 100

264 84.7 53.5 80.3#

268 58.0 54.2 81.2





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.98 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

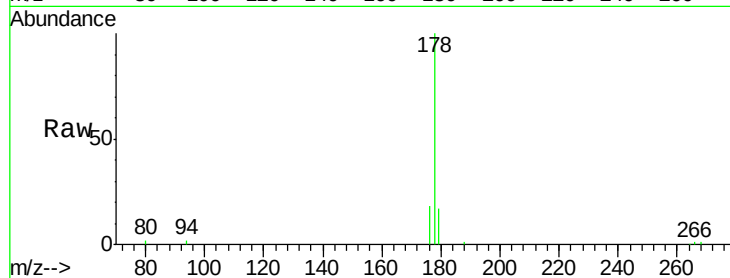
Tgt Ion:178 Resp: 30262

Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

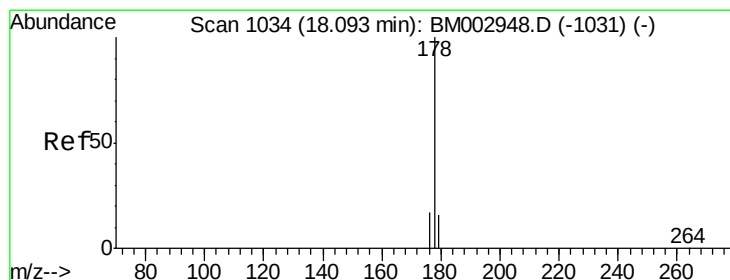
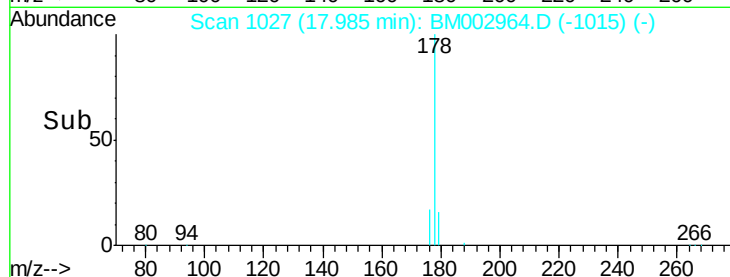
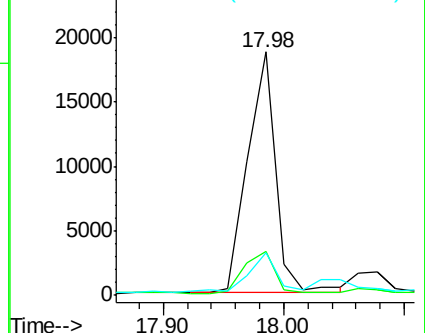
179 17.4 12.8 19.2



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: 18.08 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

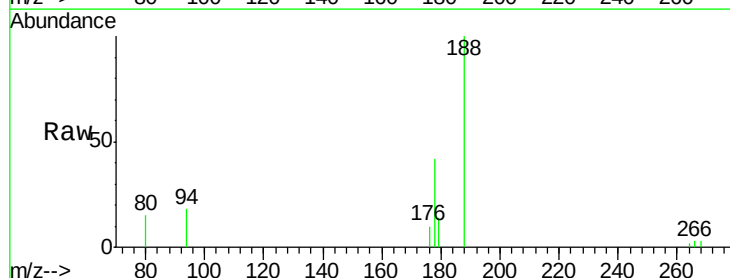
Tgt Ion:178 Resp: 3521

Ion Ratio Lower Upper

178 100

176 24.4 15.8 23.8#

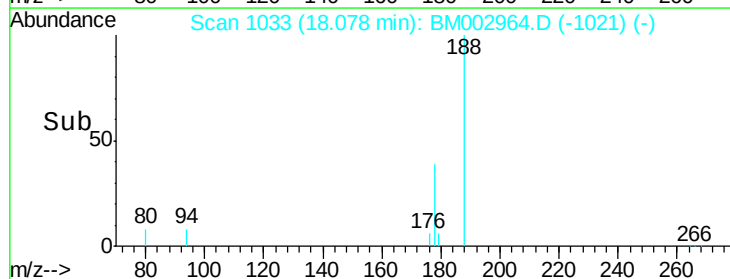
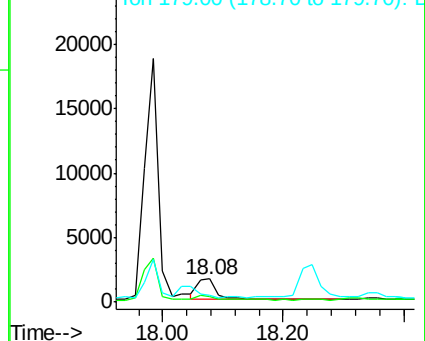
179 31.8 13.3 19.9#

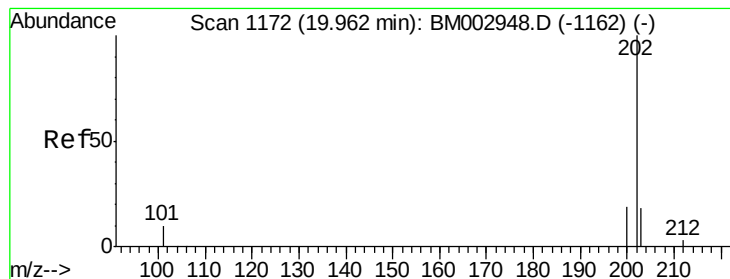


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.95 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

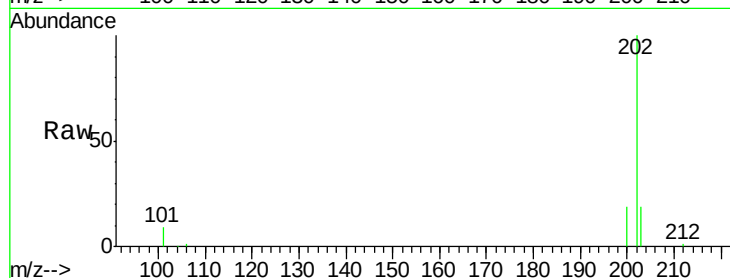
Tgt Ion:202 Resp: 115440

Ion Ratio Lower Upper

202 100

101 9.4 0.0 33.1

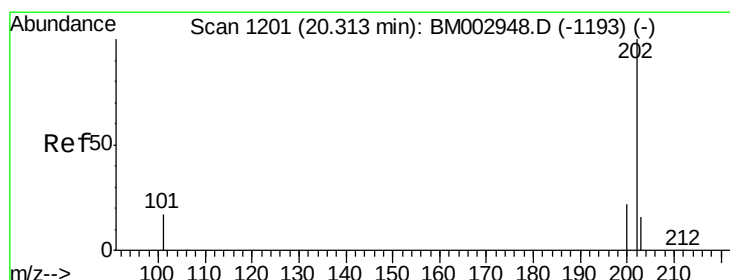
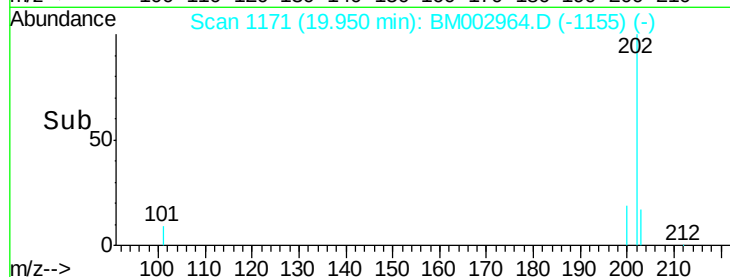
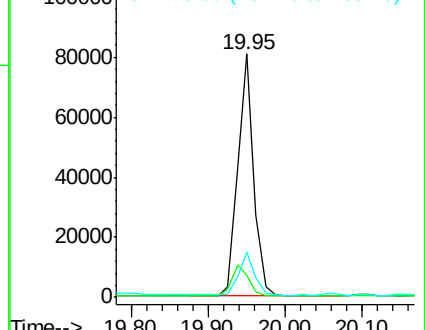
203 18.6 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.78 ng/ul

RT: 20.30 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

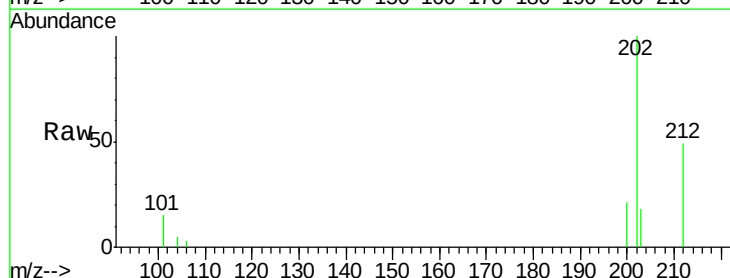
Tgt Ion:202 Resp: 102428

Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

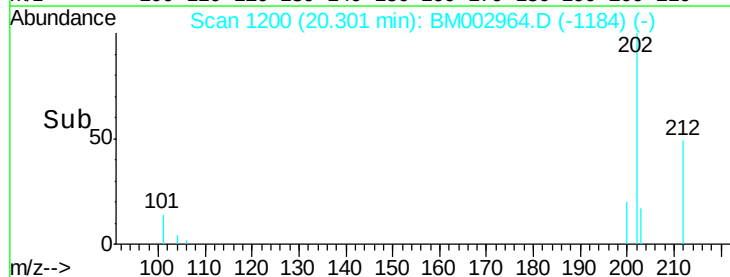
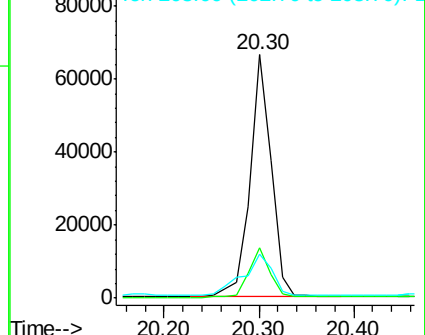
203 18.1 13.8 20.6

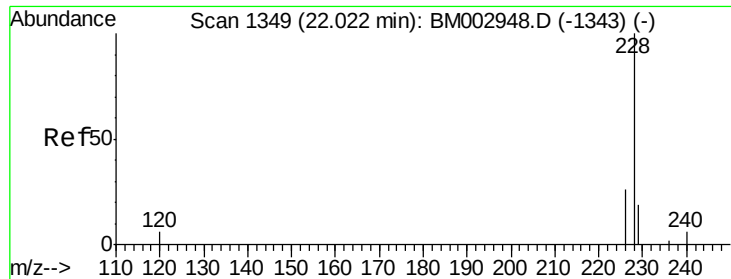


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.18 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

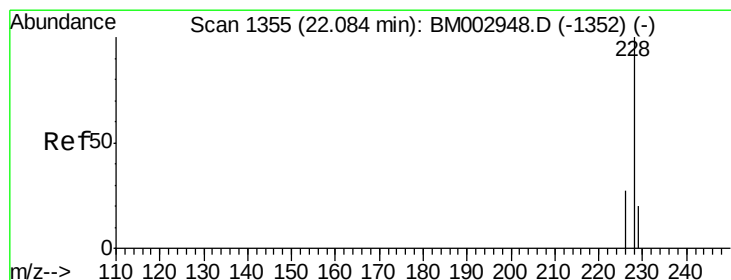
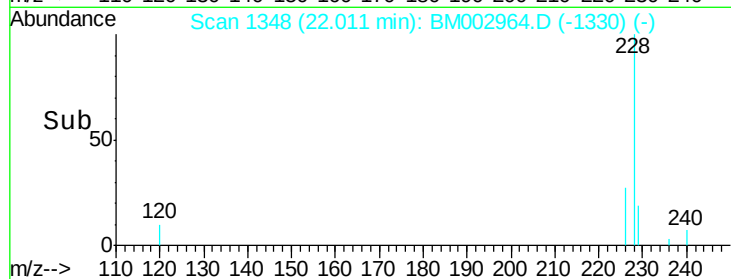
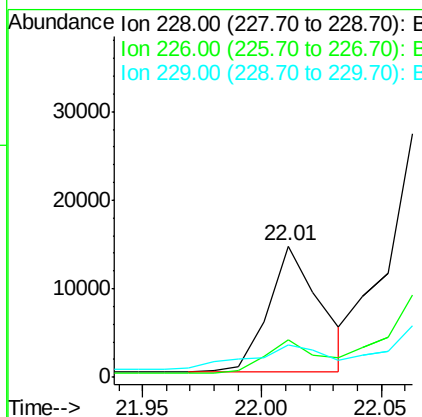
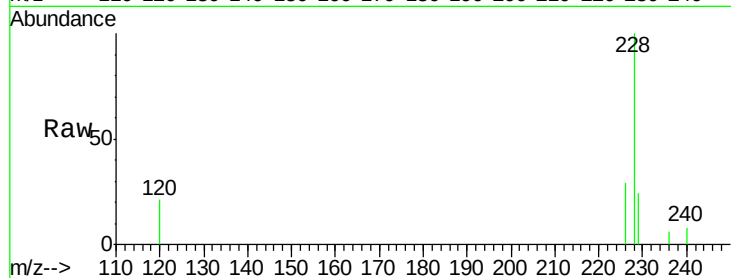
BNA_M

ClientSampleId :

JG9K9

Tgt Ion:228 Resp: 21837

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.0	34.4
229	24.3	15.2	22.8#



#21

Chrysene

Concen: 0.46 ng/ul

RT: 22.07 min Scan# 1354

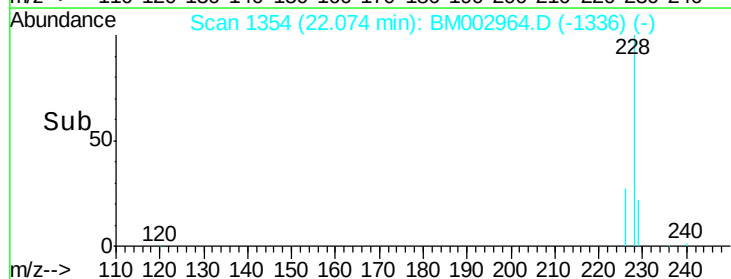
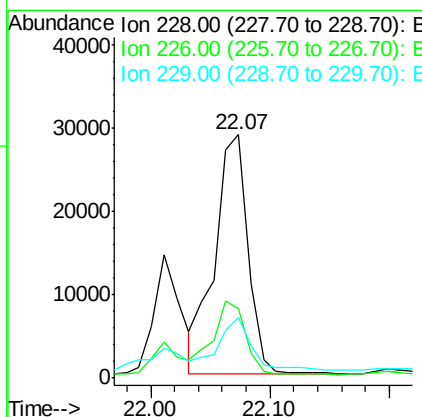
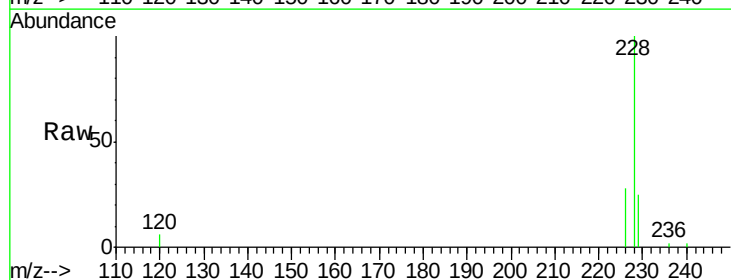
Delta R.T. -0.01 min

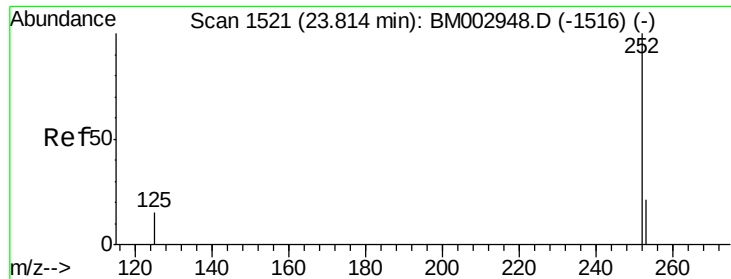
Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Tgt Ion:228 Resp: 55283

Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.7	38.5
229	24.7	15.2	22.8#





#23

Benzo(b)fluoranthene

Concen: 0.74 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

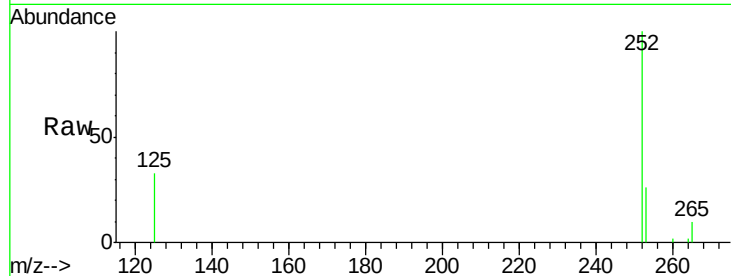
Tgt Ion:252 Resp: 76282

Ion Ratio Lower Upper

252 100

253 25.9 0.0 48.0

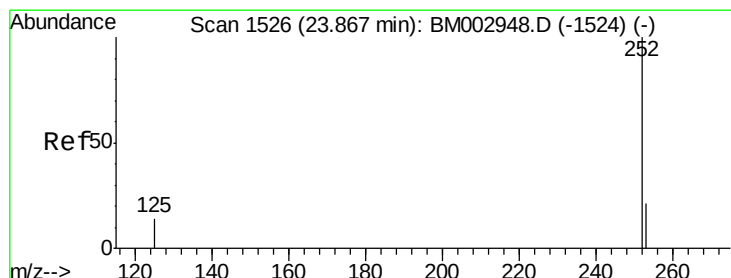
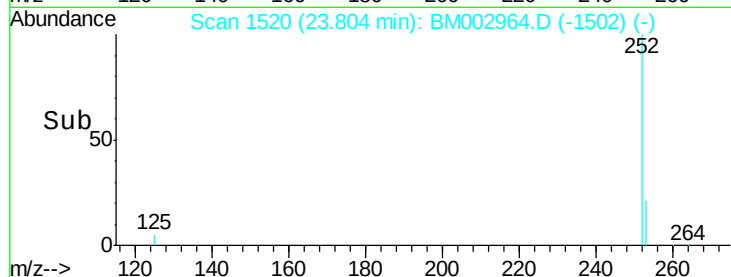
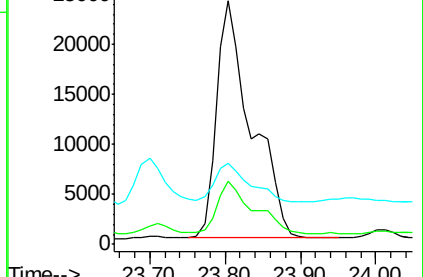
125 33.4 0.0 36.6



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: 0.76 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.06 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

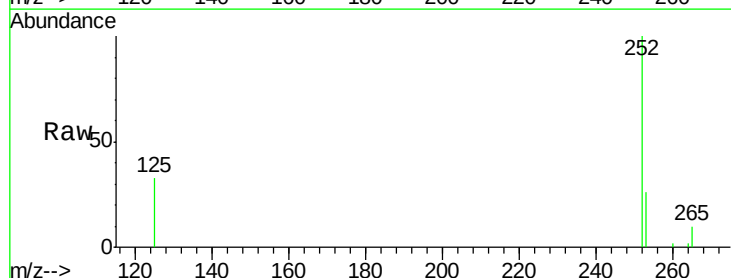
Tgt Ion:252 Resp: 76282

Ion Ratio Lower Upper

252 100

253 25.9 20.8 31.2

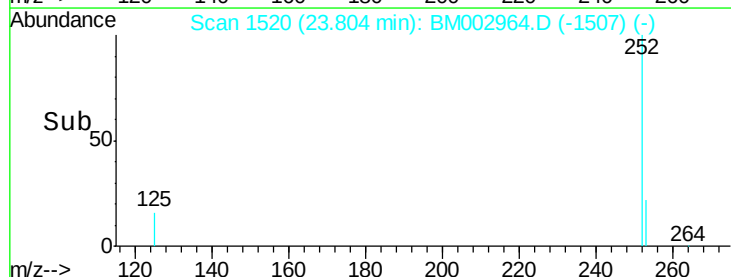
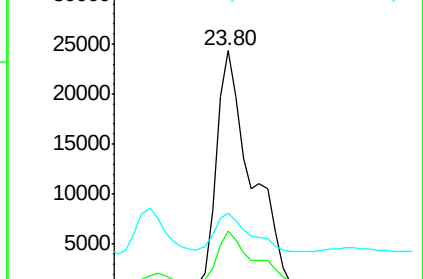
125 33.4 12.2 18.4#

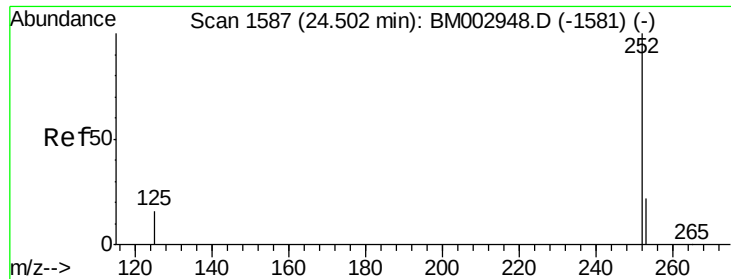


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.22 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

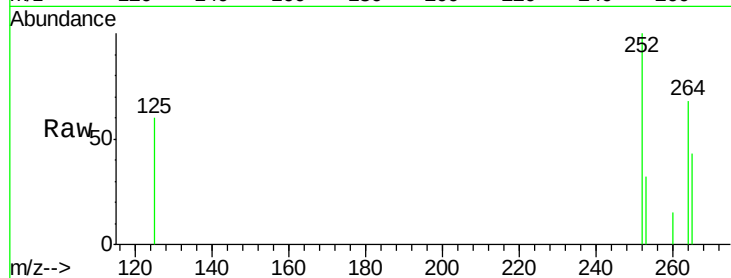
Tgt Ion: 252 Resp: 21726

Ion Ratio Lower Upper

252 100

253 31.9 21.8 32.8

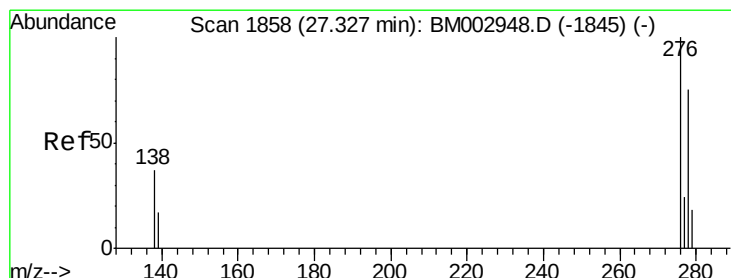
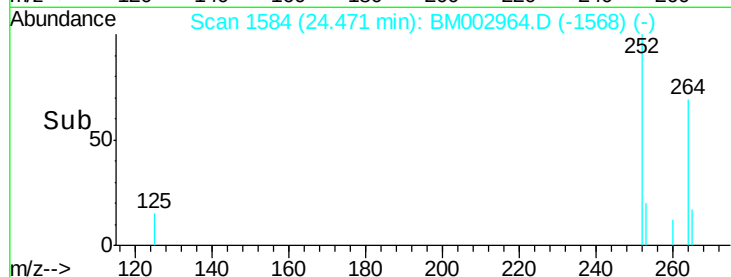
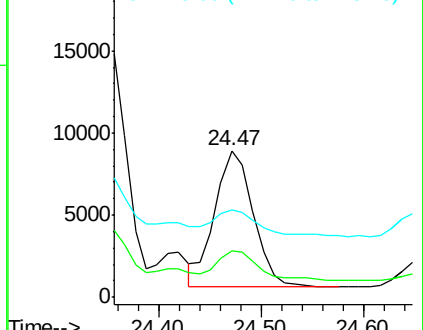
125 60.1 14.5 21.7#



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: 0.14 ng/ul

RT: 27.32 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

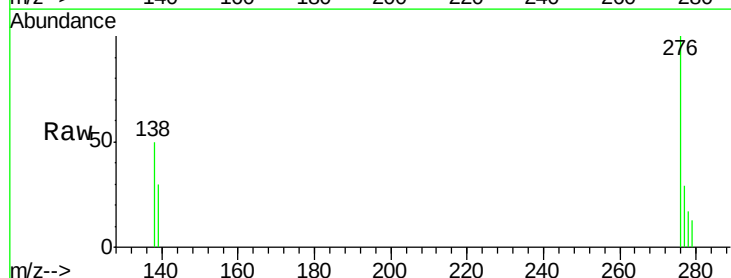
Tgt Ion: 276 Resp: 14635

Ion Ratio Lower Upper

276 100

138 38.5 27.5 41.3

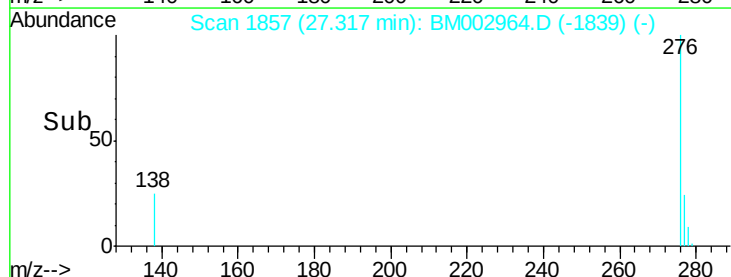
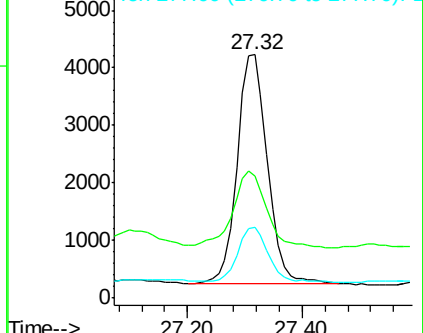
277 24.2 19.3 28.9

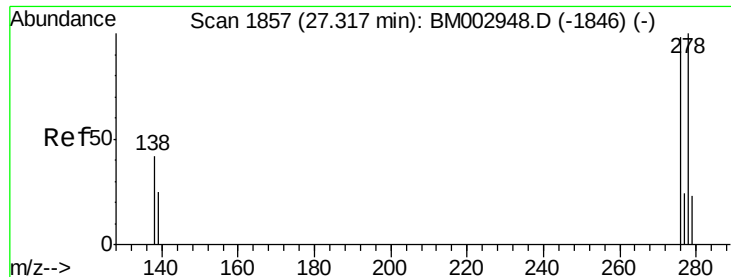


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 27.30 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

Instrument :

BNA_M

ClientSampleId :

JG9K9

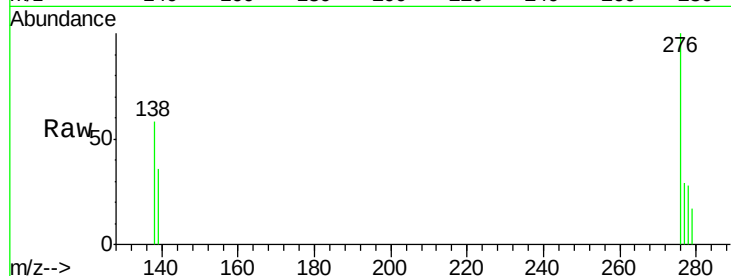
Tgt Ion: 278 Resp: 3285

Ion Ratio Lower Upper

278 100

139 126.9 21.7 32.5#

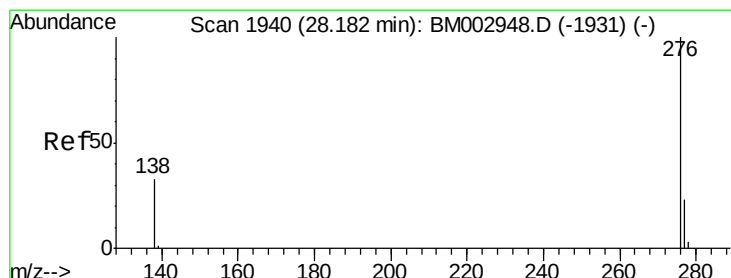
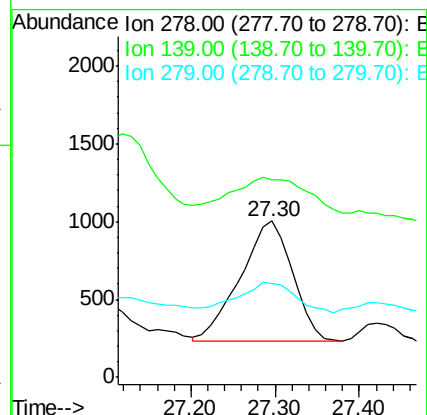
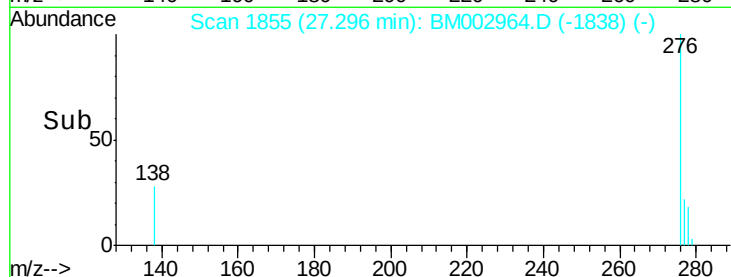
279 60.0 21.9 32.9#



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: 0.18 ng/ul

RT: 28.15 min Scan# 1937

Delta R.T. -0.03 min

Lab File: BM002964.D

Acq: 22 Oct 2015 01:13

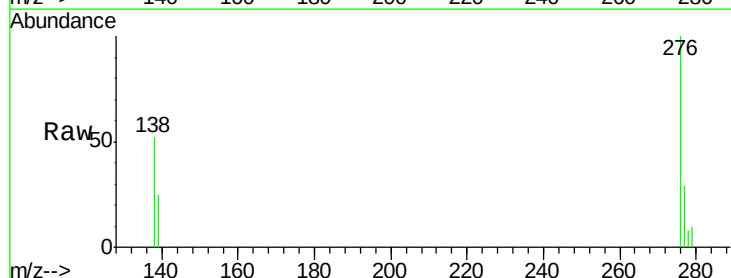
Tgt Ion: 276 Resp: 16187

Ion Ratio Lower Upper

276 100

277 28.5 21.3 31.9

138 52.1 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

