

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002975.D
 Acq On : 22 Oct 2015 13:20
 Operator : UM/IZ
 Sample : G4074-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9K2

Quant Time: Oct 23 01:03:33 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 : Fri Oct 23 01:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5916	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	25843	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	14126	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1038952	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	25812	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	21562	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.71	96	13797	2.18	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	6958	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	12979	0.00	ng/ul	0.00

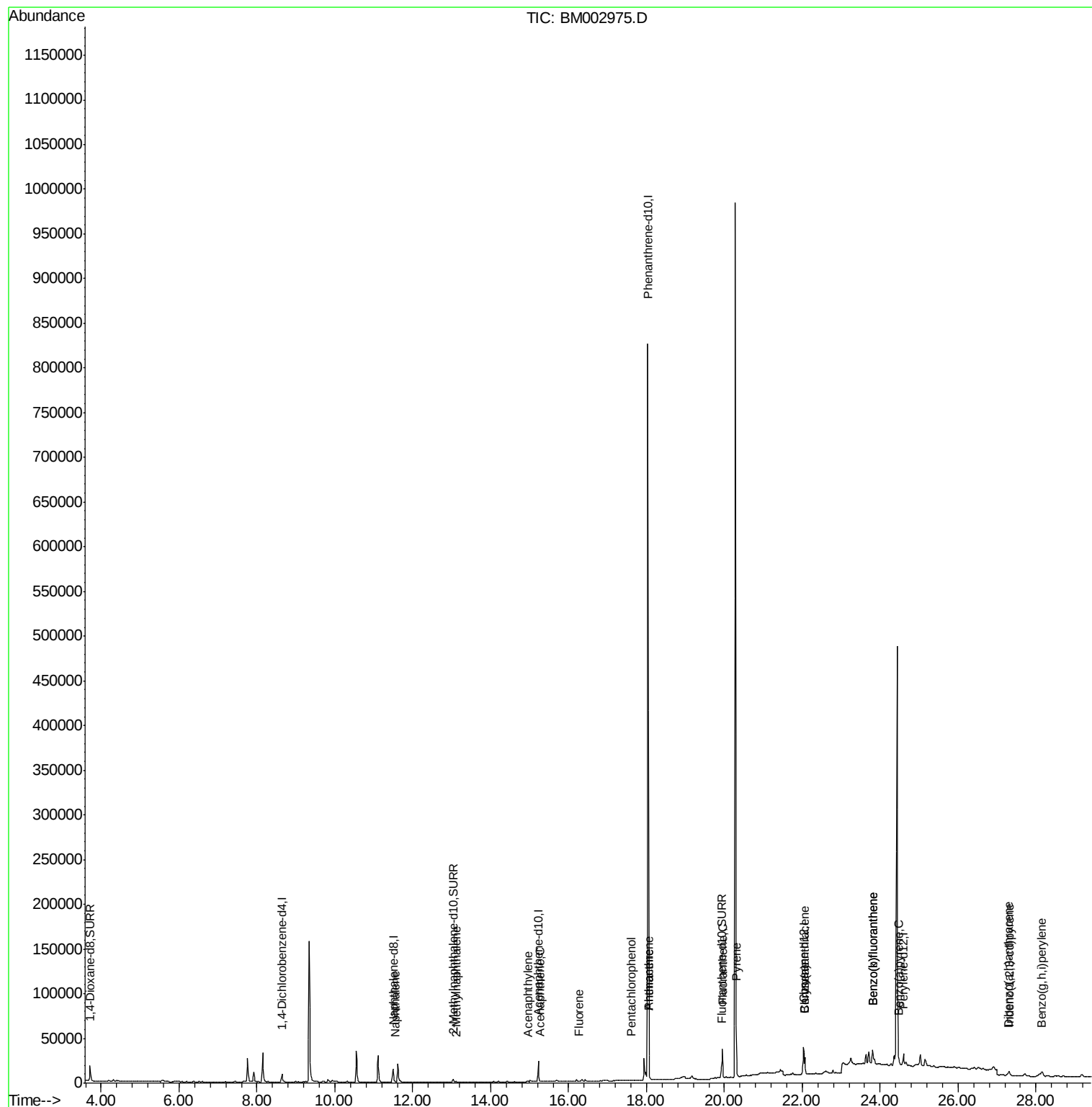
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.54	128	1465	0.02	ng/ul#	74
7) 2-Methylnaphthalene	13.11	142	1328	0.03	ng/ul	89
9) Acenaphthylene	14.96	152	1453	0.02	ng/ul#	59
10) Acenaphthene	15.28	153	218	0.00	ng/ul#	16
11) Fluorene	16.25	166	458	0.01	ng/ul#	60
13) Pentachlorophenol	17.61	266	138	0.00	ng/ul#	70
14) Phenanthrene	18.06	178	2701	0.00	ng/ul#	34
15) Anthracene	18.06	178	2478	0.00	ng/ul#	34
17) Fluoranthene	19.95	202	31403	0.01	ng/ul	89
19) Pyrene	20.30	202	27401	0.29	ng/ul#	89
20) Benzo(a)anthracene	22.07	228	32610	0.38	ng/ul#	81
21) Chrysene	22.07	228	32610	0.38	ng/ul#	86
23) Benzo(b)fluoranthene	23.80	252	33007	0.43	ng/ul#	1
24) Benzo(k)fluoranthene	23.80	252	33007	0.45	ng/ul#	1
25) Benzo(a)pyrene	24.48	252	6870	0.09	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	9168	0.12	ng/ul#	83
27) Dibenzo(a,h)anthracene	27.29	278	2596	0.04	ng/ul#	1
28) Benzo(a,h,i)perylene	28.15	276	11434	0.17	ng/ul#	18

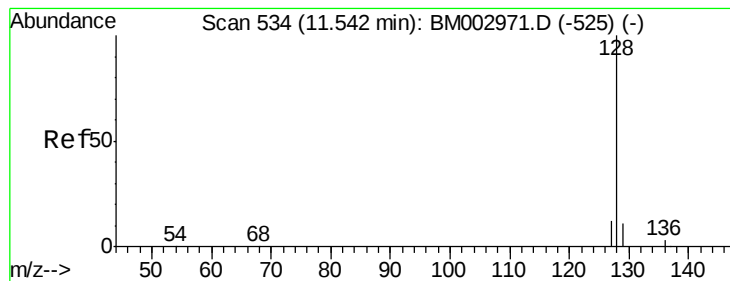
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

Instrument :

BNA_M

ClientSampleId :

JG9K2

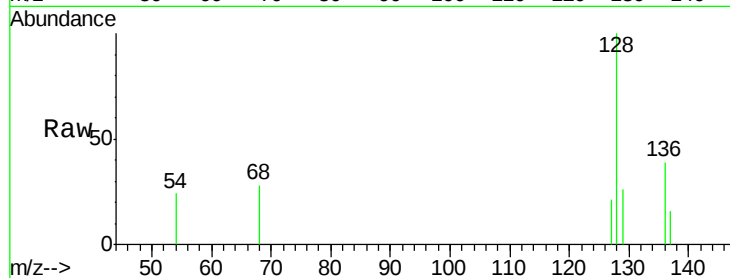
Tot Ion:128 Resp: 1465

Ion Ratio Lower Upper

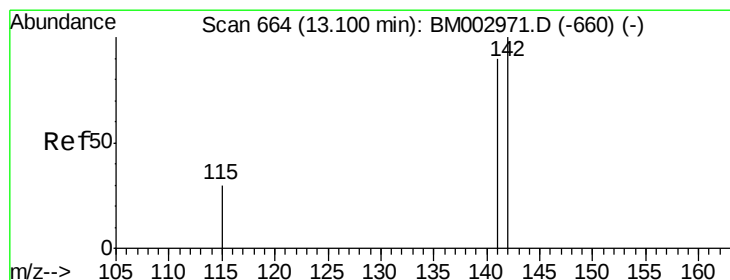
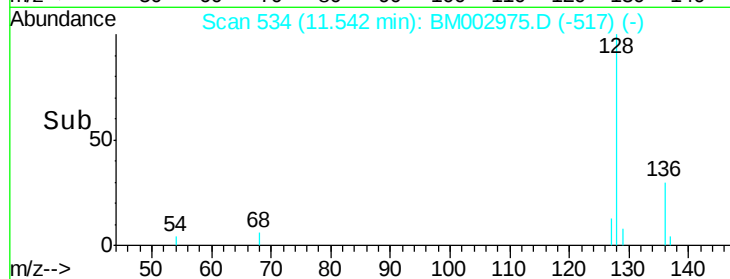
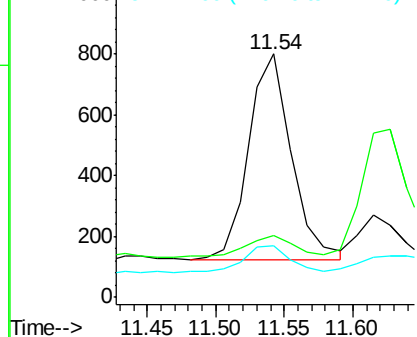
128 100

129 25.6 9.8 14.8#

127 21.1 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: 0.03 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002975.D

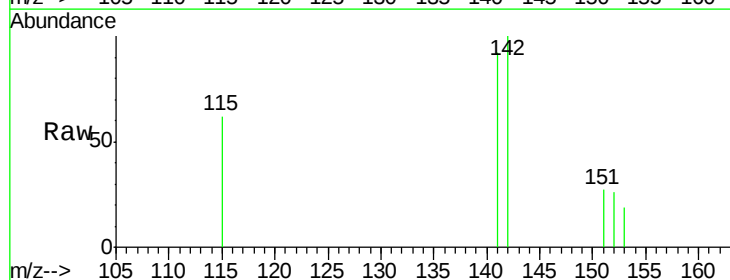
Acq: 22 Oct 2015 13:20

Tgt Ion:142 Resp: 1328

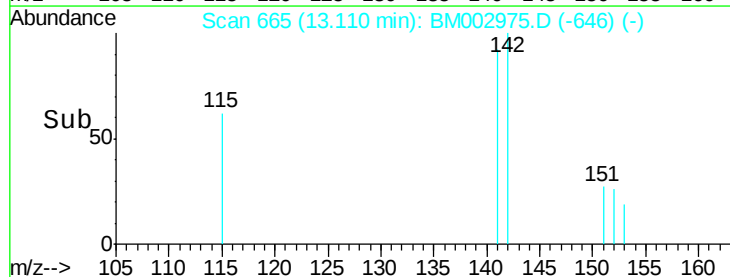
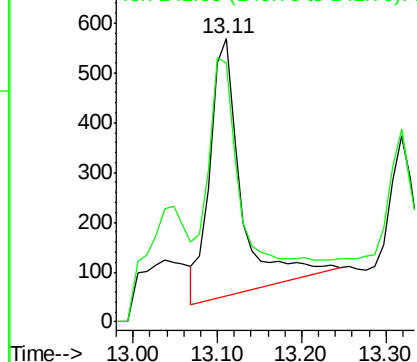
Ion Ratio Lower Upper

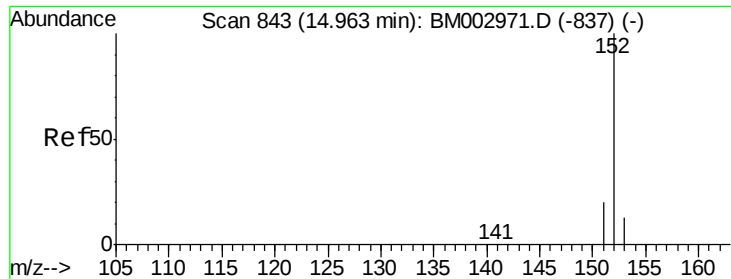
142 100

141 98.0 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: 0.02 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

Instrument :

BNA_M

ClientSampleId :

JG9K2

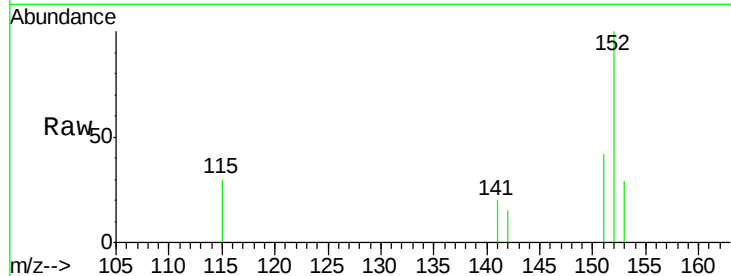
Tot Ion:152 Resp: 1453

Ion Ratio Lower Upper

152 100

151 41.5 16.8 25.2#

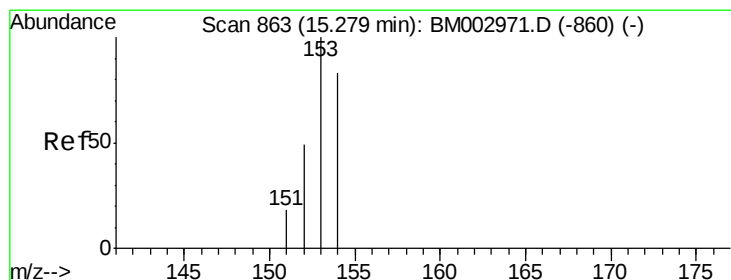
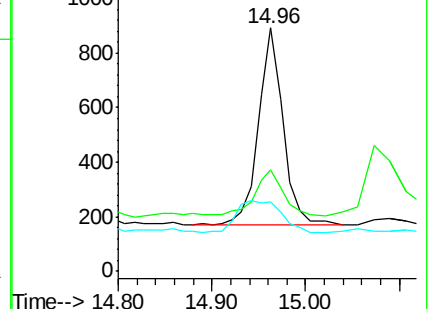
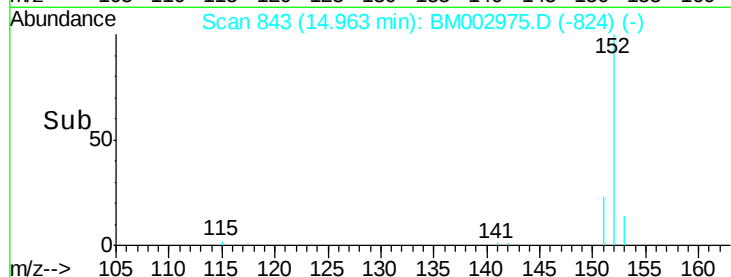
153 28.7 11.3 16.9#



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: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

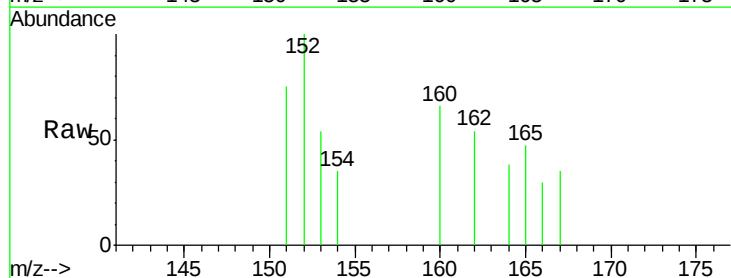
Tgt Ion:153 Resp: 218

Ion Ratio Lower Upper

153 100

152 185.0 42.3 63.5#

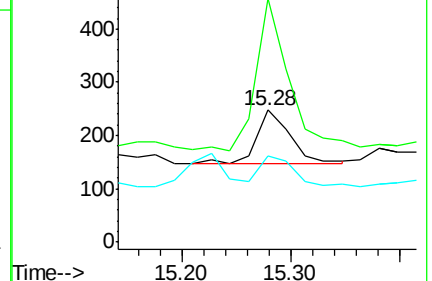
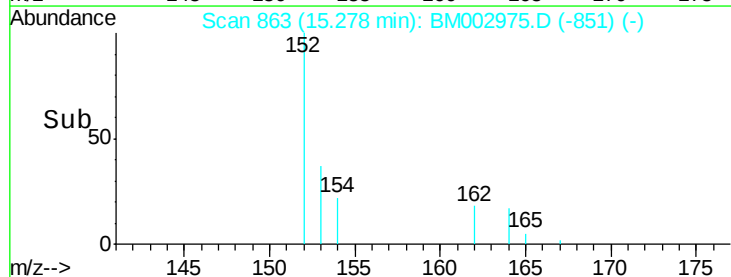
154 65.2 64.7 97.1

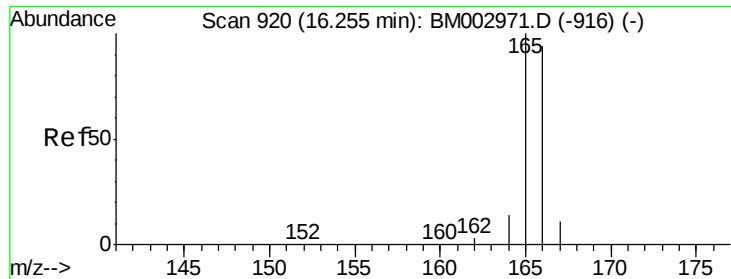


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

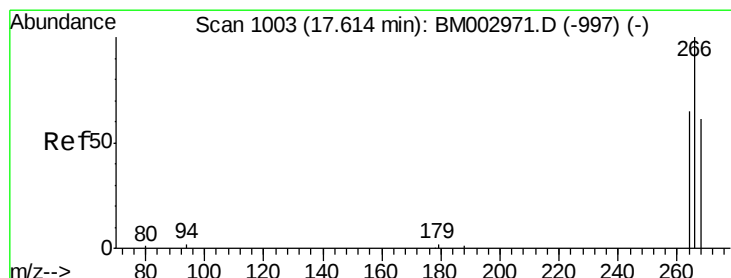
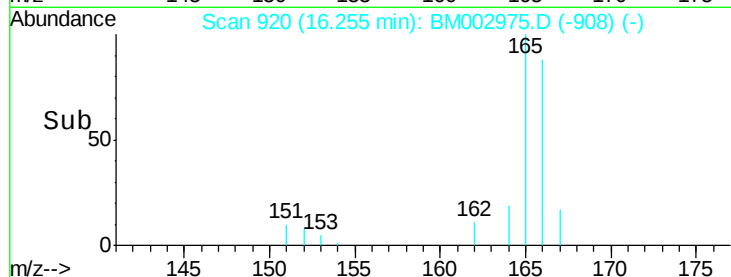
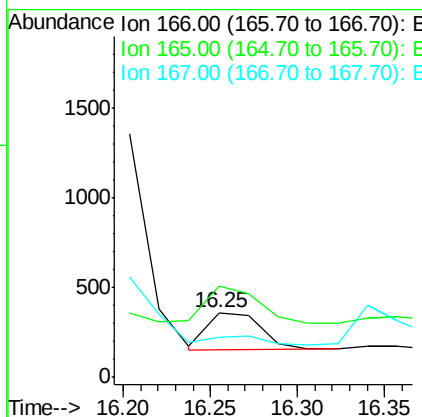
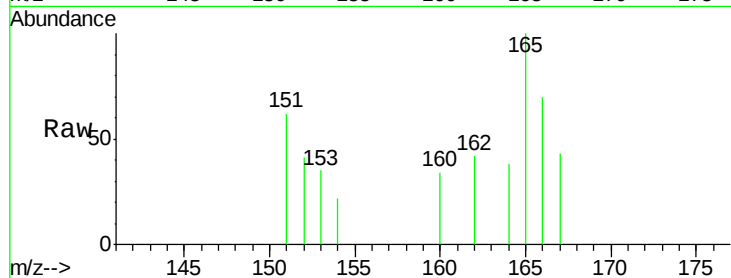




#11
Fluorene
 Concen: 0.01 ng/ul
 RT: 16.25 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BM002975.D
 Acq: 22 Oct 2015 13:20

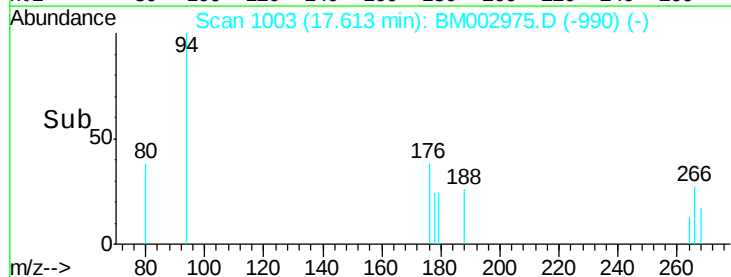
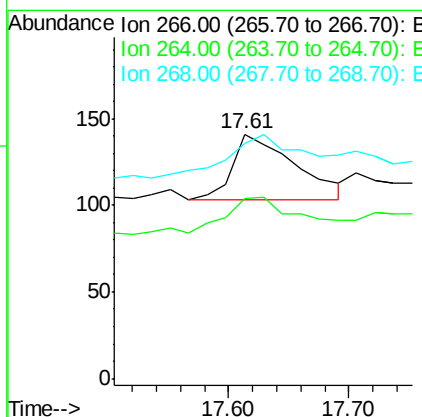
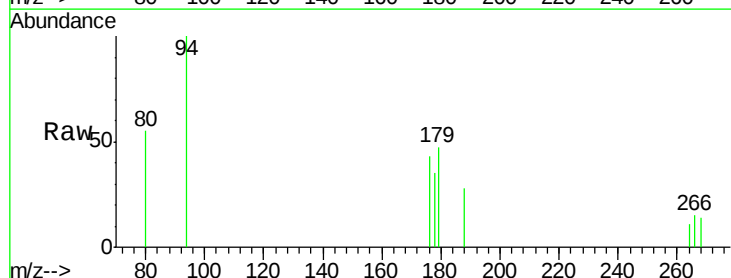
Instrument :
 BNA_M
 ClientSampleId :
 JG9K2

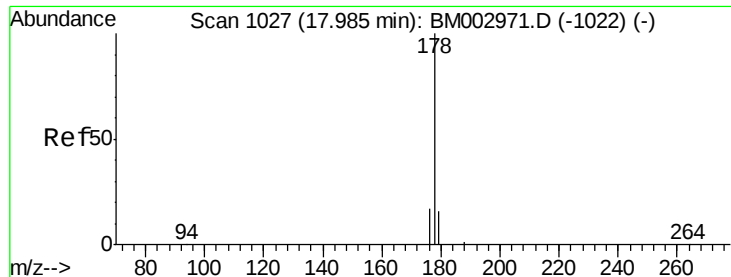
Tot Ion:166 Resp: 458
 Ion Ratio Lower Upper
 166 100
 165 141.9 87.6 131.4#
 167 61.1 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 17.61 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BM002975.D
 Acq: 22 Oct 2015 13:20

Tgt Ion:266 Resp: 138
 Ion Ratio Lower Upper
 266 100
 264 58.0 53.5 80.3
 268 107.2 54.2 81.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.06 min Scan# 1032

Delta R.T. 0.08 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

Instrument :

BNA_M

ClientSampleId :

JG9K2

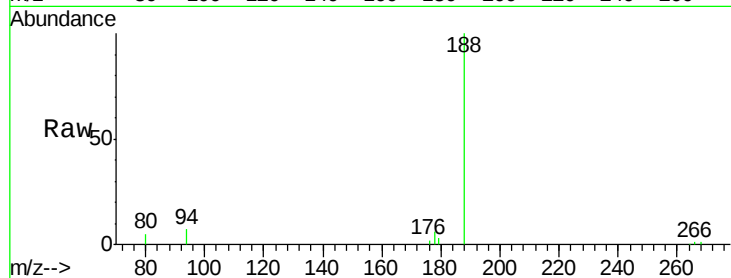
Tot Ion:178 Resp: 2701

Ion Ratio Lower Upper

178 100

176 42.1 16.2 24.4#

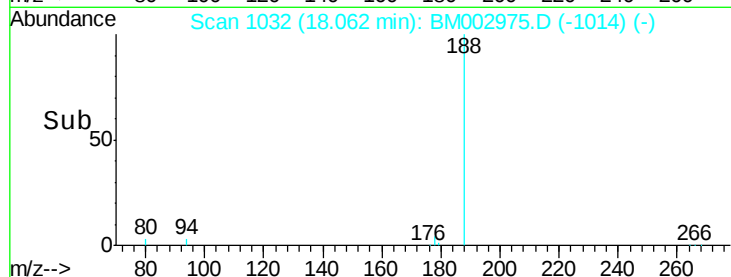
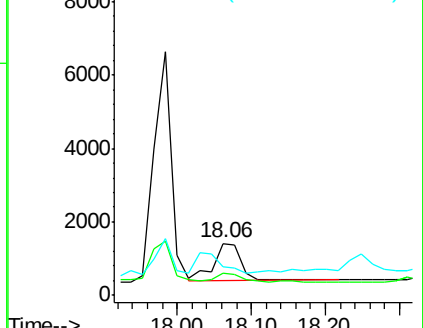
179 53.8 12.8 19.2#



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: 18.06 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

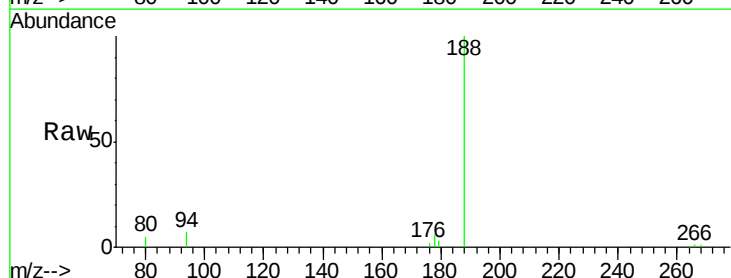
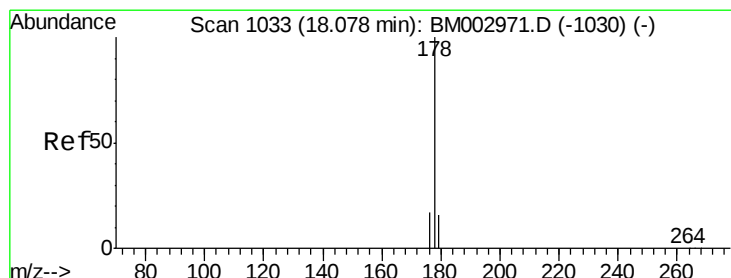
Tgt Ion:178 Resp: 2478

Ion Ratio Lower Upper

178 100

176 42.1 15.8 23.8#

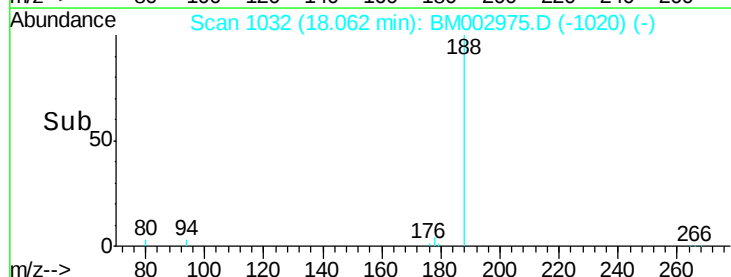
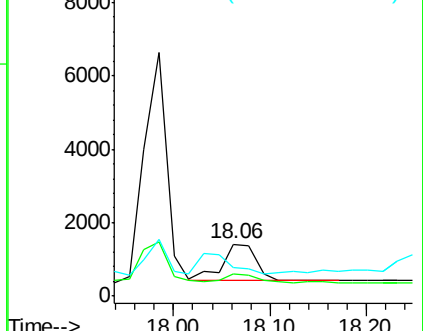
179 53.8 13.3 19.9#

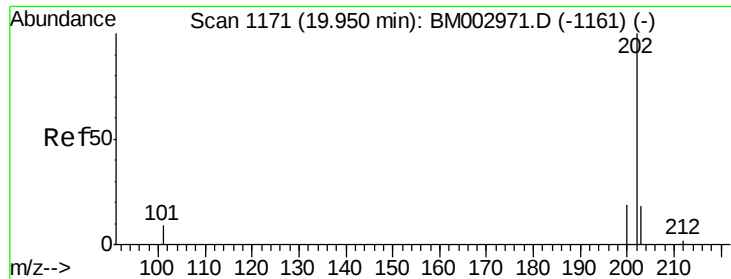


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

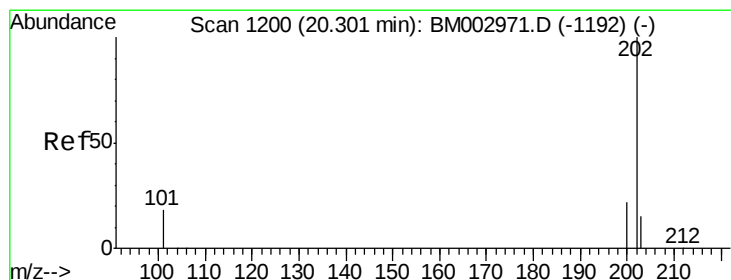
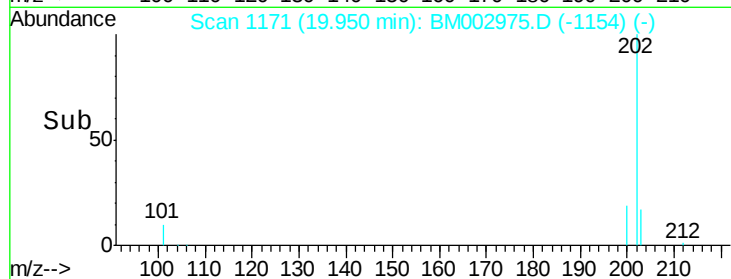
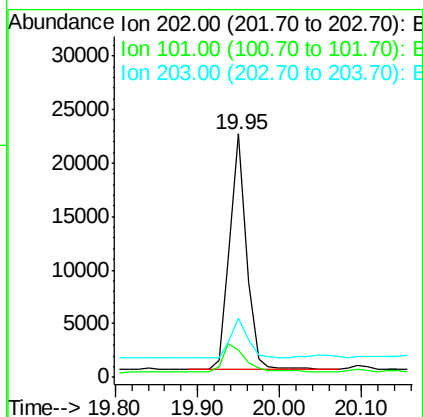
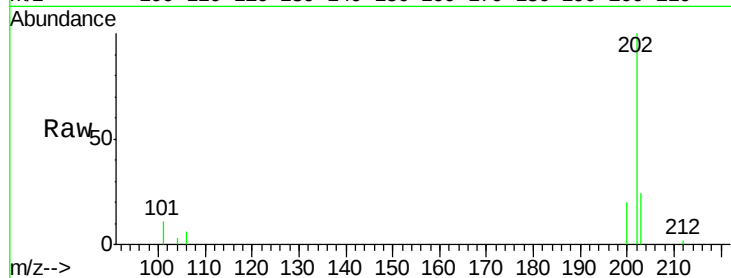




#17
Fluoranthene
Concen: 0.01 ng/ul
RT: 19.95 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BM002975.D
Acq: 22 Oct 2015 13:20

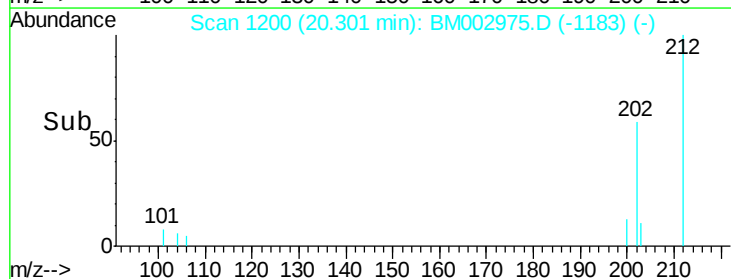
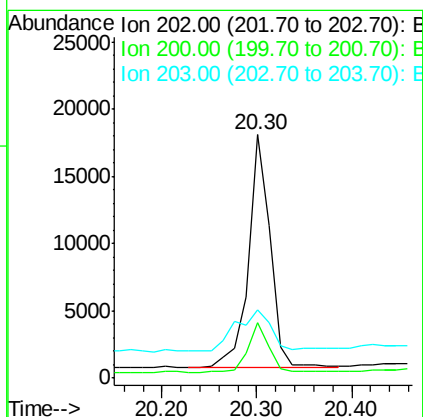
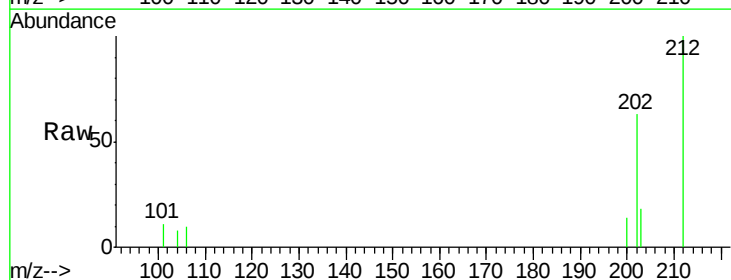
Instrument :
BNA_M
ClientSampleId :
JG9K2

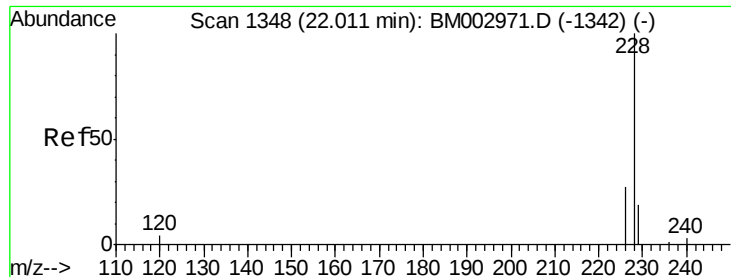
Tot Ion:202 Resp: 31403
Ion Ratio Lower Upper
202 100
101 11.4 0.0 33.1
203 24.5 0.0 37.2



#19
Pyrene
Concen: 0.29 ng/ul
RT: 20.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BM002975.D
Acq: 22 Oct 2015 13:20

Tgt Ion:202 Resp: 27401
Ion Ratio Lower Upper
202 100
200 23.0 18.0 27.0
203 28.0 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. 0.06 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

Instrument :

BNA_M

ClientSampleId :

JG9K2

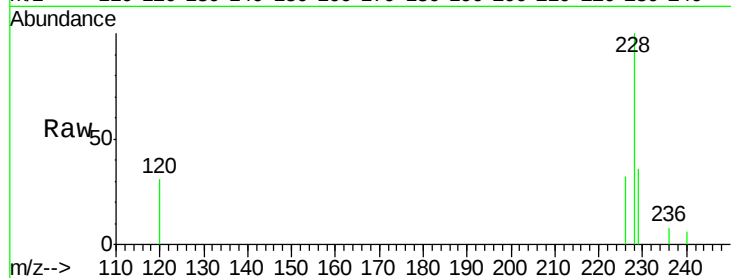
Tot Ion:228 Resp: 32610

Ion Ratio Lower Upper

228 100

226 32.1 23.0 34.4

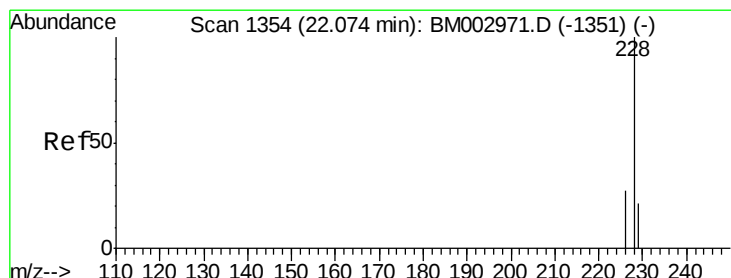
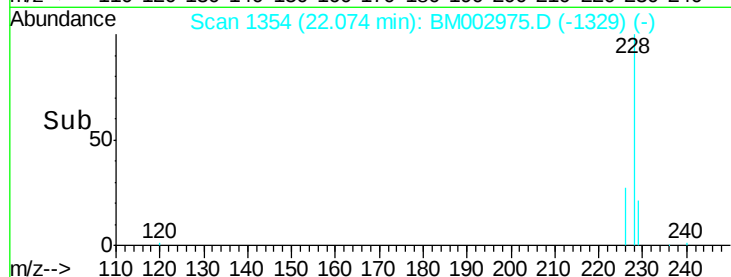
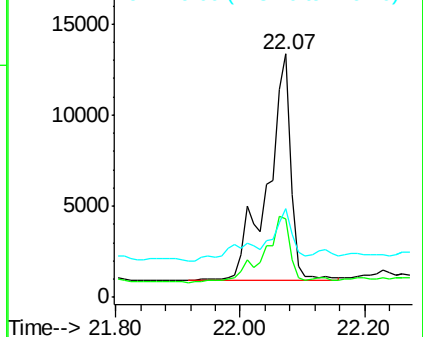
229 36.4 15.2 22.8#



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: 0.38 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

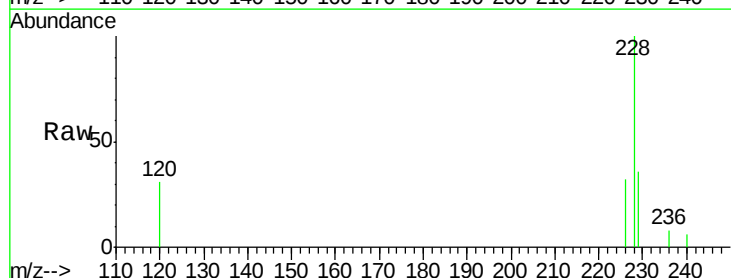
Tgt Ion:228 Resp: 32610

Ion Ratio Lower Upper

228 100

226 32.1 25.7 38.5

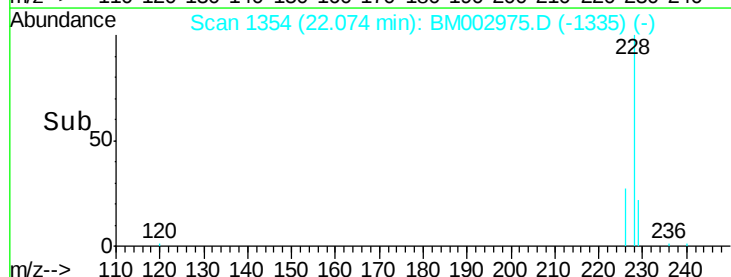
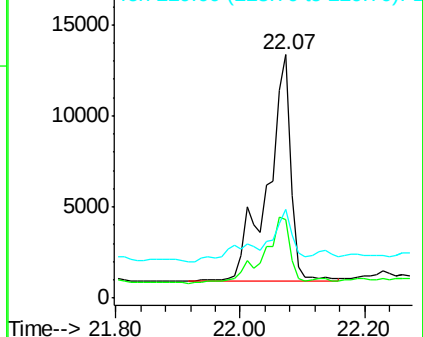
229 36.4 15.2 22.8#

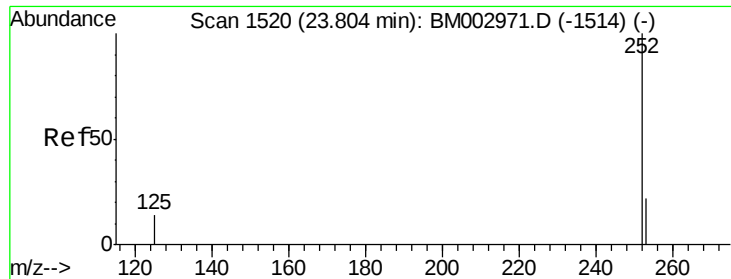


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

Instrument :

BNA_M

ClientSampleId :

JG9K2

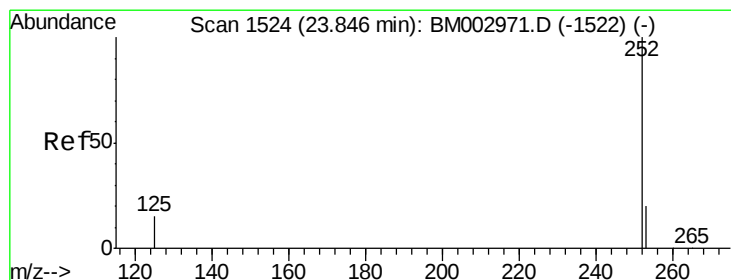
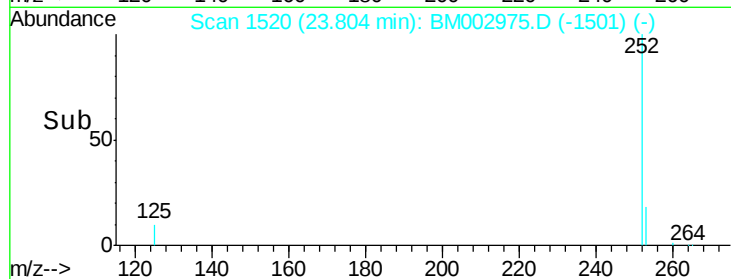
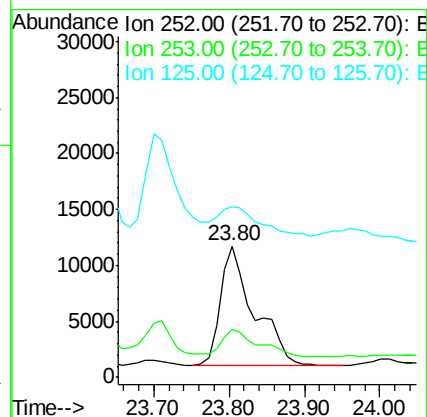
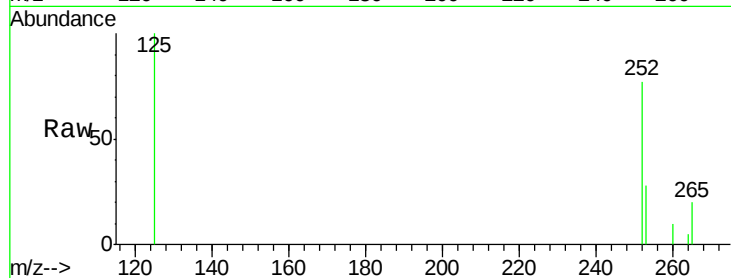
Tot Ion:252 Resp: 33007

Ion Ratio Lower Upper

252 100

253 36.8 0.0 48.0

125 130.5 0.0 36.6#



#24

Benzo(k)fluoranthene

Concen: 0.45 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.04 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

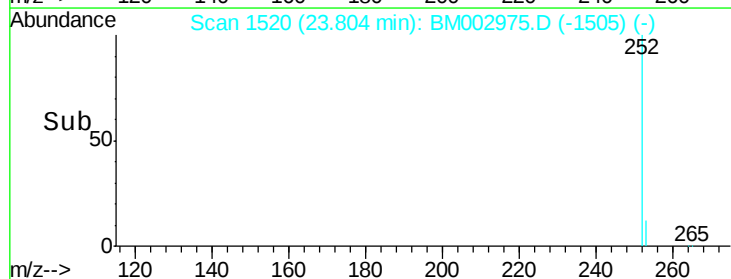
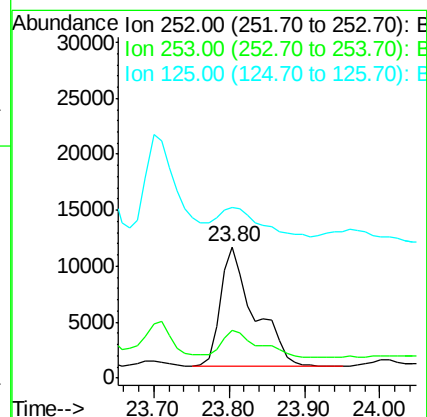
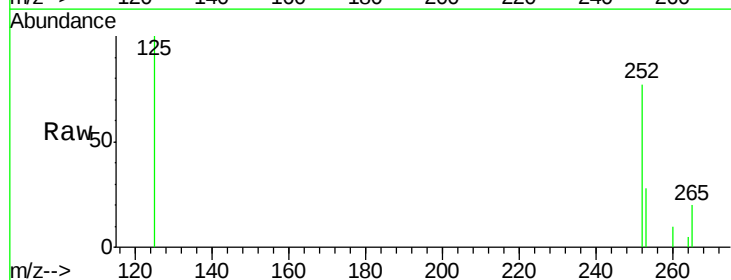
Tgt Ion:252 Resp: 33007

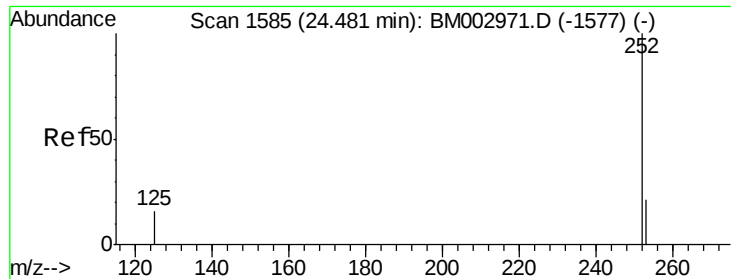
Ion Ratio Lower Upper

252 100

253 36.8 20.8 31.2#

125 130.5 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 24.48 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

Instrument :

BNA_M

ClientSampleId :

JG9K2

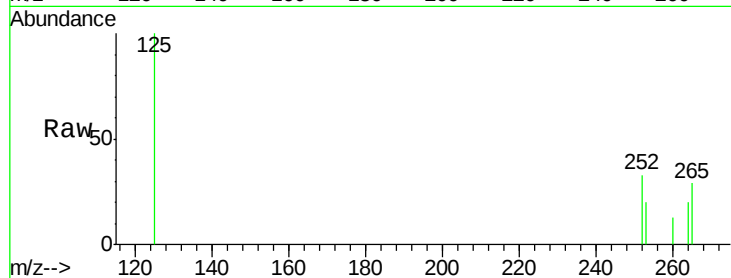
Tot Ion:252 Resp: 6870

Ion Ratio Lower Upper

252 100

253 61.2 21.8 32.8#

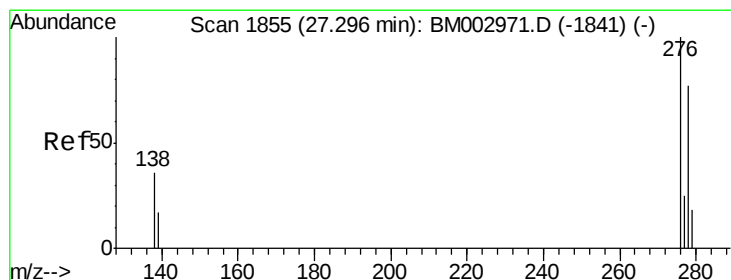
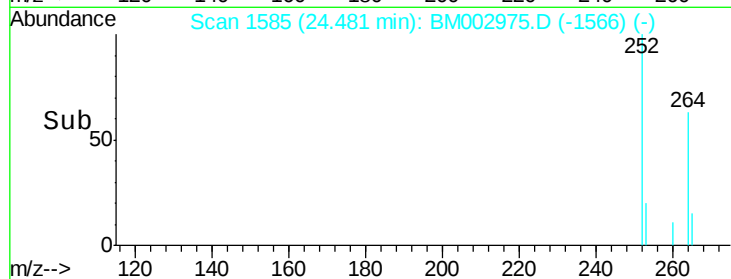
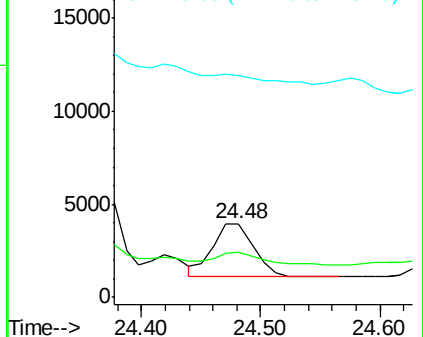
125 299.9 14.5 21.7#



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: 0.12 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

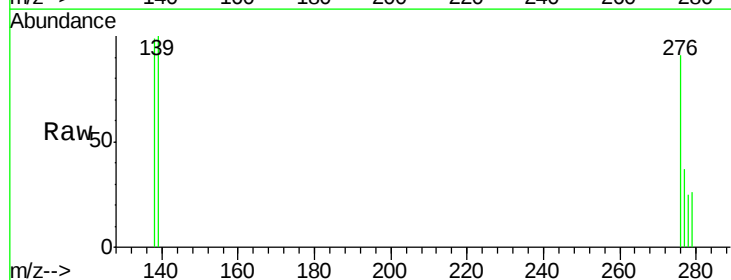
Tgt Ion:276 Resp: 9168

Ion Ratio Lower Upper

276 100

138 50.9 27.5 41.3#

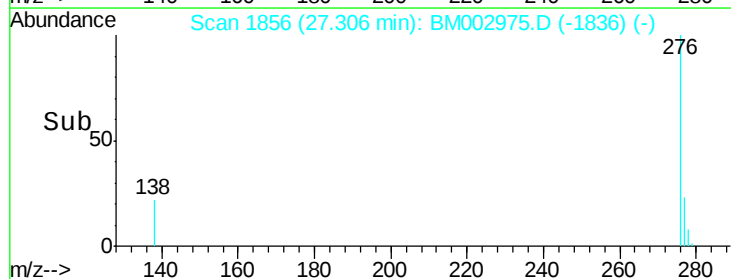
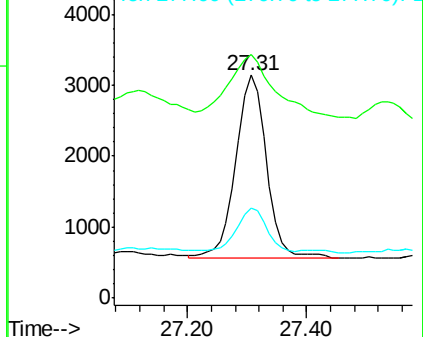
277 23.6 19.3 28.9

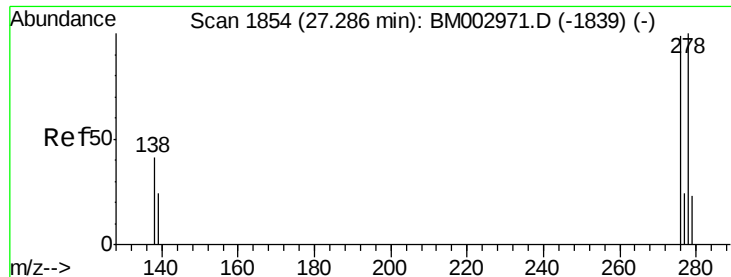


Abundance Ion 276.00 (275.70 to 276.70): E

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: 27.29 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

Instrument :

BNA_M

ClientSampleId :

JG9K2

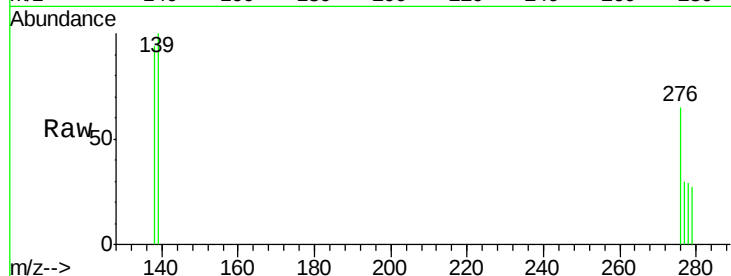
Tot Ion:278 Resp: 2596

Ion Ratio Lower Upper

278 100

139 342.1 21.7 32.5#

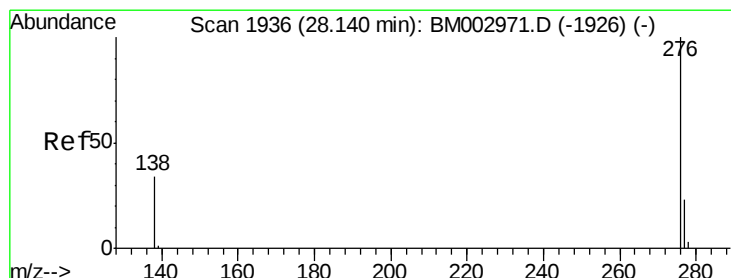
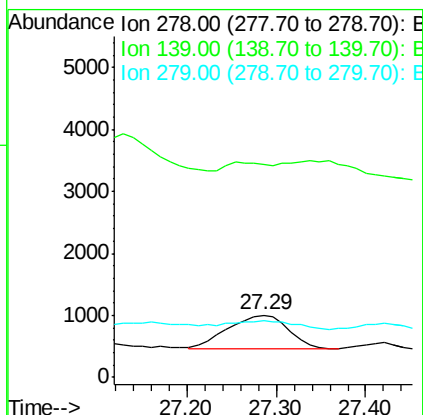
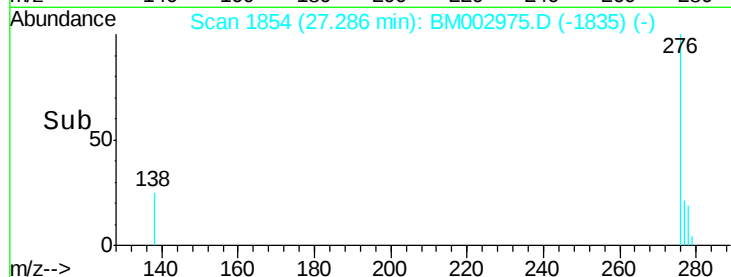
279 91.9 21.9 32.9#



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: 0.17 ng/ul

RT: 28.15 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BM002975.D

Acq: 22 Oct 2015 13:20

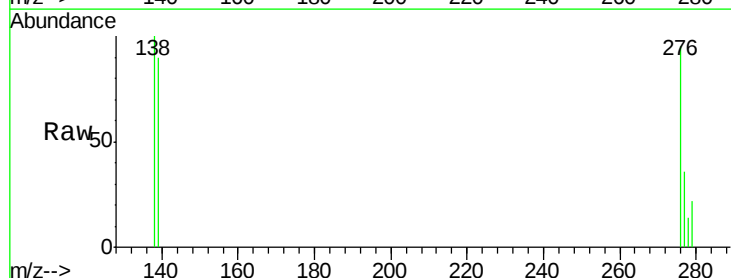
Tgt Ion:276 Resp: 11434

Ion Ratio Lower Upper

276 100

277 38.4 21.3 31.9#

138 105.2 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

