

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002994.D
 Acq On : 23 Oct 2015 01:28
 Operator : UM/IZ
 Sample : G4074-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9K4

Quant Time: Oct 23 03:54:14 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 01:55:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	6796	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	30981	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	17586	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.05	188	125590	0.40	ng/ul	0.11
18) Chrysene-d12	22.04	240	29757	0.40	ng/ul	0.01
22) Perylene-d12	24.61	264	23118	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	13918	1.92	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	8413	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	15600	0.00	ng/ul	0.00

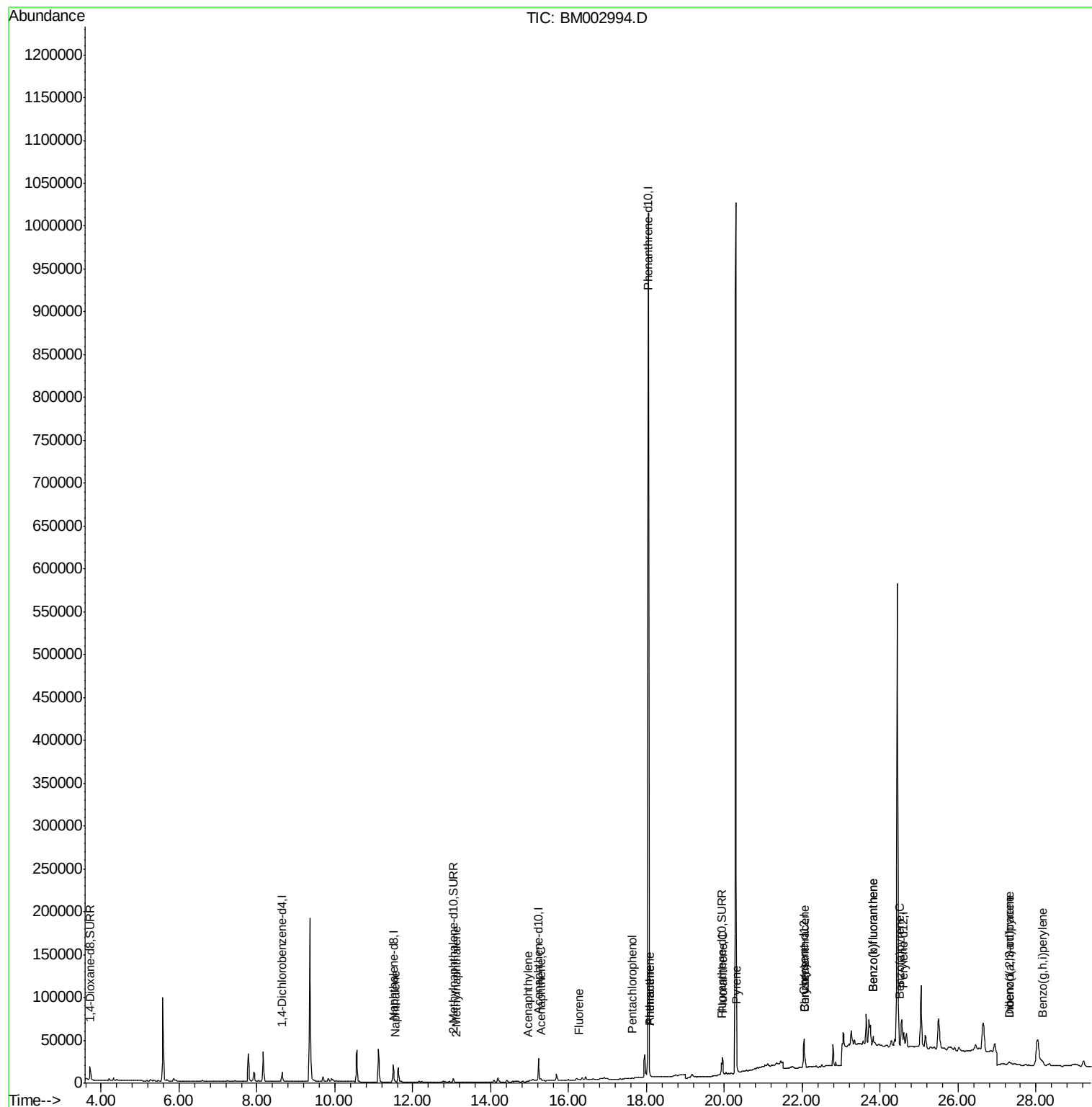
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.54	128	908	0.01	ng/ul#	50
7) 2-Methylnaphthalene	13.11	142	826	0.01	ng/ul#	64
9) Acenaphthylene	14.97	152	1158	0.01	ng/ul#	27
10) Acenaphthene	15.30	153	674	0.01	ng/ul#	1
11) Fluorene	16.27	166	516	0.01	ng/ul#	52
13) Pentachlorophenol	17.63	266	1194	0.02	ng/ul	92
14) Phenanthrene	18.08	178	2087	0.00	ng/ul#	1
15) Anthracene	18.08	178	1878	0.00	ng/ul#	1
17) Fluoranthene	19.95	202	20269	0.00	ng/ul	64
19) Pyrene	20.31	202	19139	0.18	ng/ul#	70
20) Benzo(a)anthracene	22.07	228	22204	0.23	ng/ul#	55
21) Chrysene	22.07	228	22204	0.22	ng/ul#	61
23) Benzo(b)fluoranthene	23.81	252	22103	0.27	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	22103	0.28	ng/ul#	1
25) Benzo(a)pyrene	24.49	252	4339	0.06	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.33	276	5939	0.07	ng/ul#	63
27) Dibenzo(a,h)anthracene	27.31	278	2120	0.03	ng/ul#	1
28) Benzo(a,h,i)perylene	28.18	276	11664	0.17	ng/ul#	1

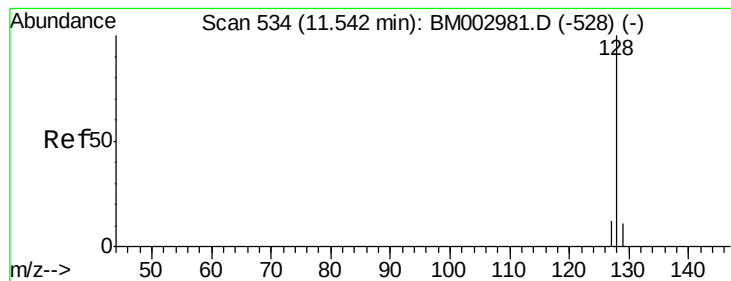
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

Instrument :

BNA_M

ClientSampleId :

JG9K4

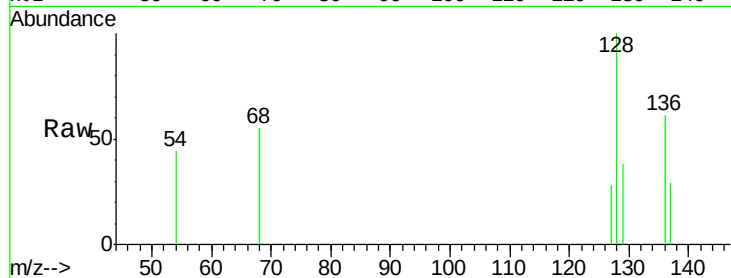
Tot Ion:128 Resp: 908

Ion Ratio Lower Upper

128 100

129 37.6 9.8 14.8#

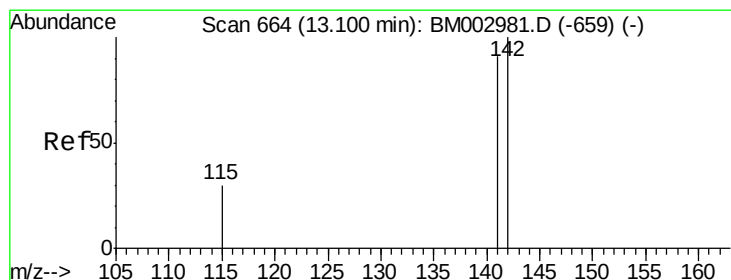
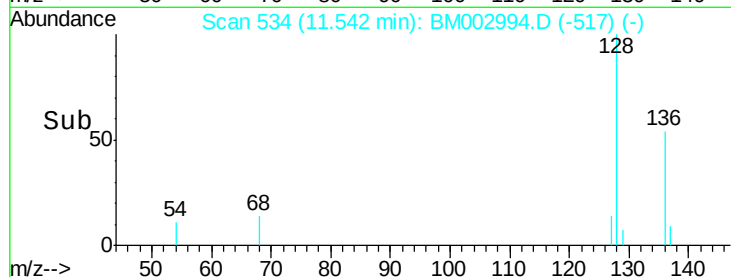
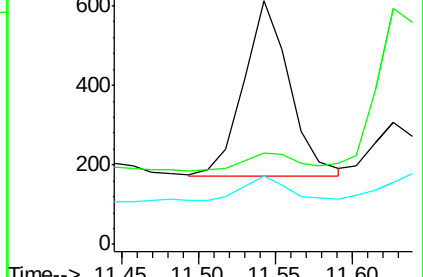
127 28.1 10.7 16.1#



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: 0.01 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002994.D

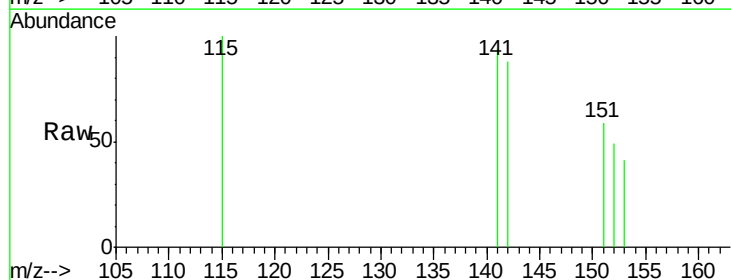
Acq: 23 Oct 2015 01:28

Tgt Ion:142 Resp: 826

Ion Ratio Lower Upper

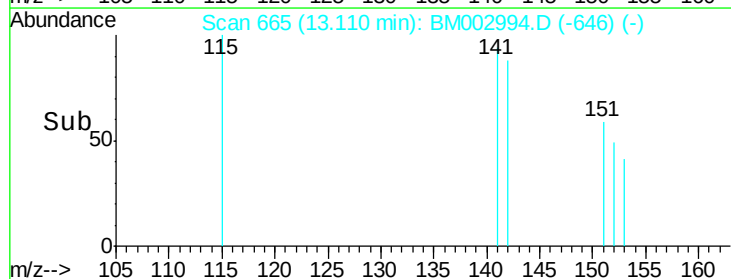
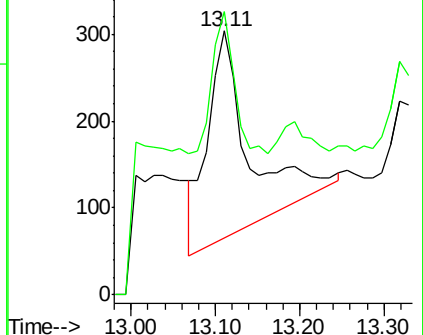
142 100

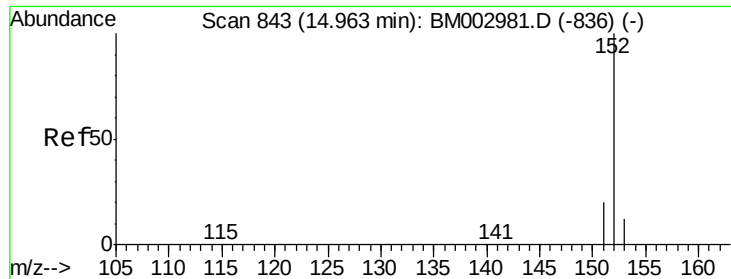
141 121.5 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.97 min Scan# 844

Delta R.T. 0.01 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

Instrument :

BNA_M

ClientSampleId :

JG9K4

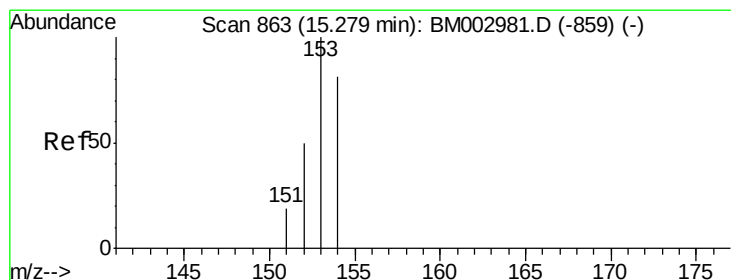
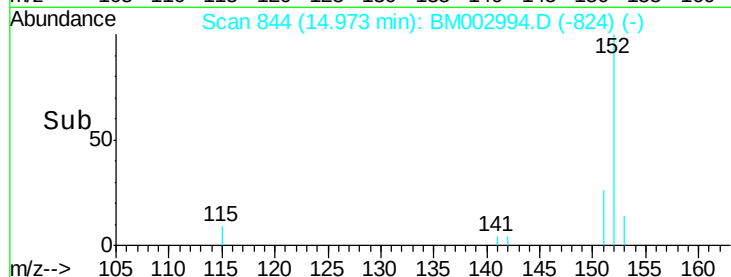
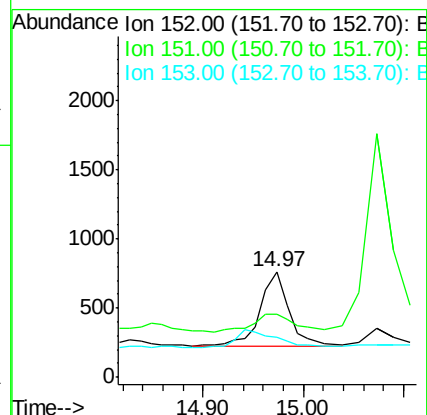
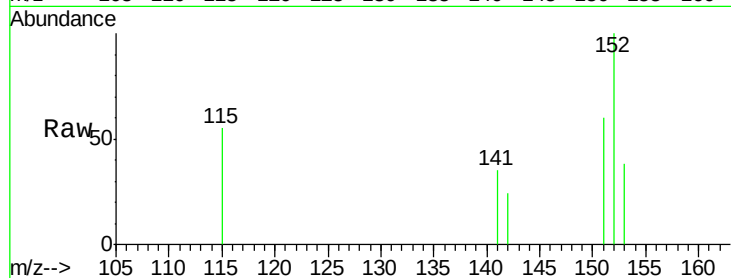
Tot Ion:152 Resp: 1158

Ion Ratio Lower Upper

152 100

151 59.7 16.8 25.2#

153 38.0 11.3 16.9#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 15.30 min Scan# 864

Delta R.T. 0.02 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

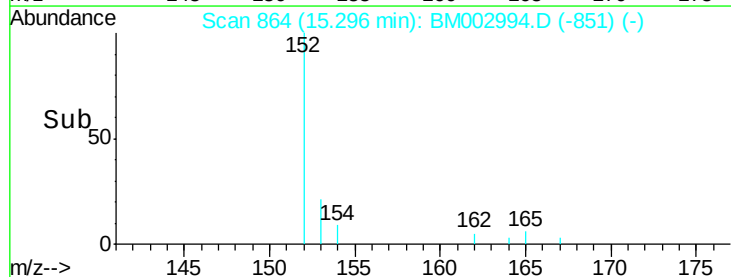
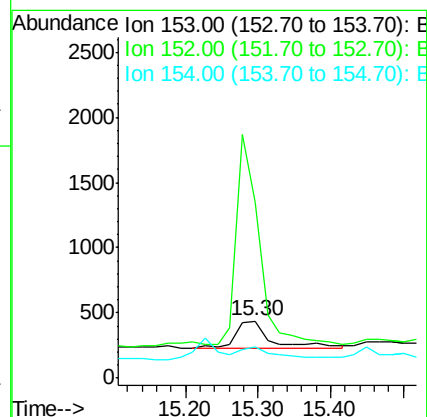
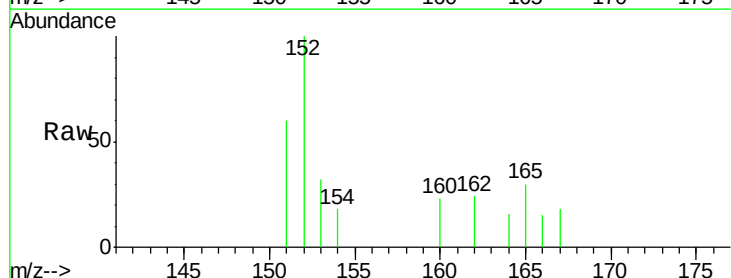
Tgt Ion:153 Resp: 674

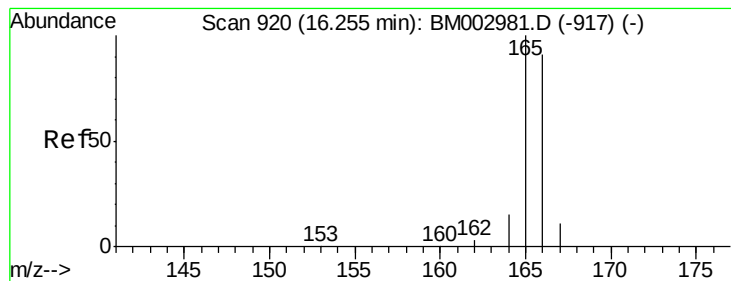
Ion Ratio Lower Upper

153 100

152 307.7 42.3 63.5#

154 54.9 64.7 97.1#





#11

Fluorene

Concen: 0.01 ng/ul

RT: 16.27 min Scan# 921

Delta R.T. 0.02 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

Instrument :

BNA_M

ClientSampleId :

JG9K4

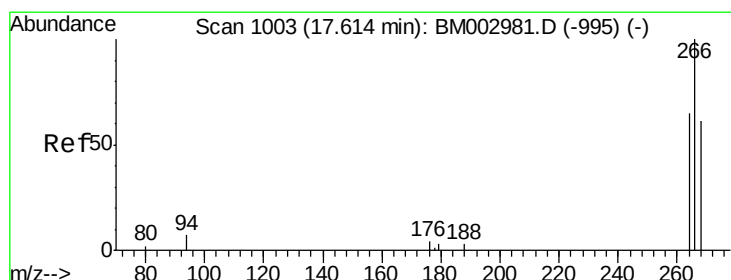
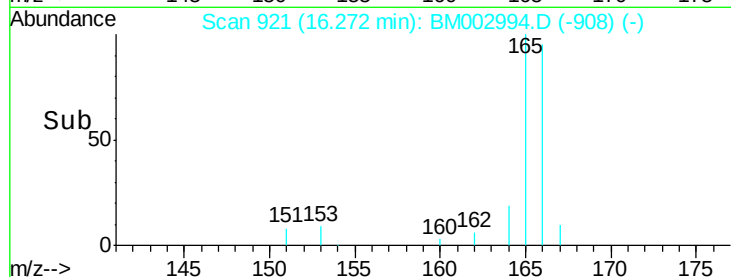
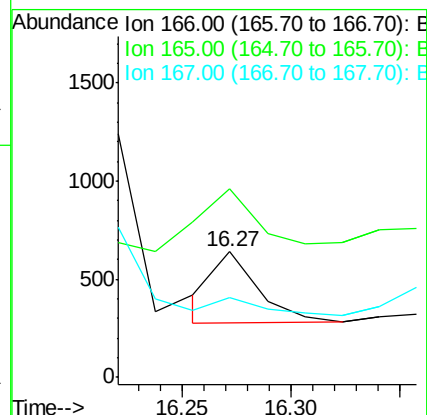
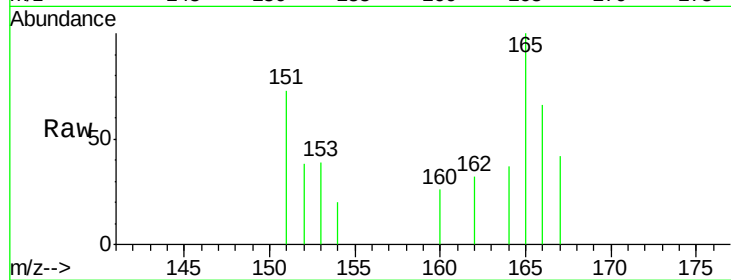
Tot Ion:166 Resp: 516

Ion Ratio Lower Upper

166 100

165 150.5 87.6 131.4#

167 63.8 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 17.63 min Scan# 1004

Delta R.T. 0.02 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

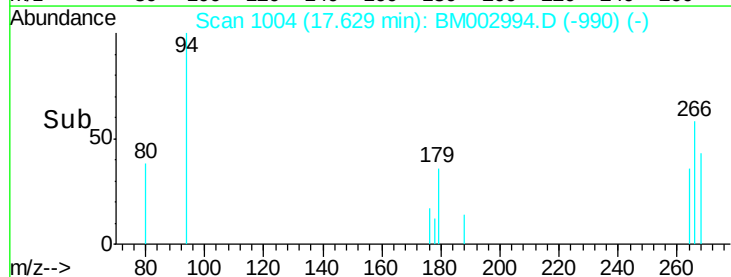
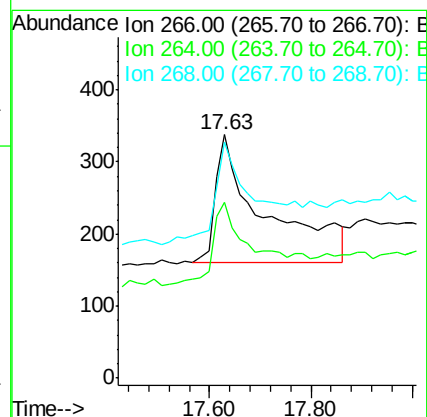
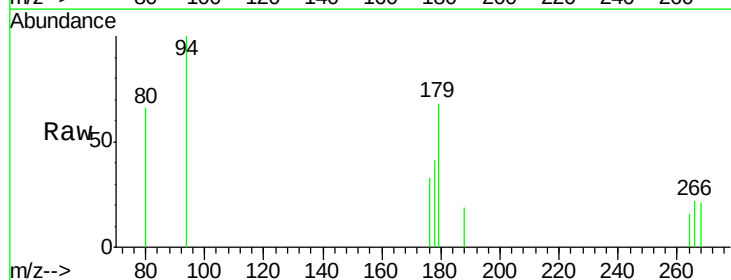
Tgt Ion:266 Resp: 1194

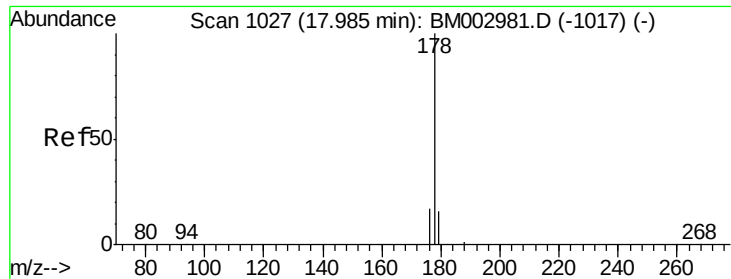
Ion Ratio Lower Upper

266 100

264 63.0 53.5 80.3

268 76.1 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

Instrument :

BNA_M

ClientSampleId :

JG9K4

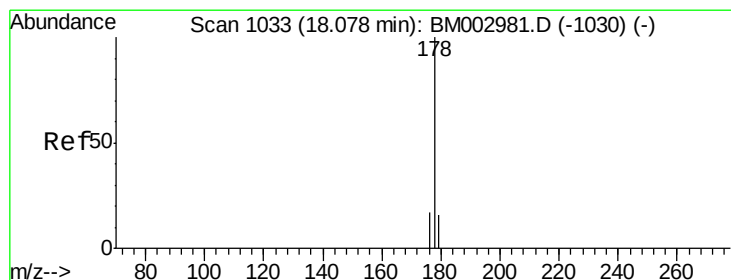
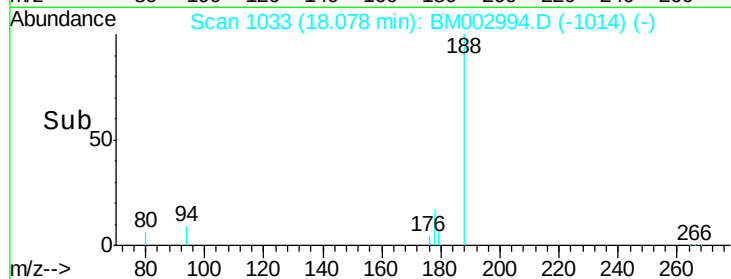
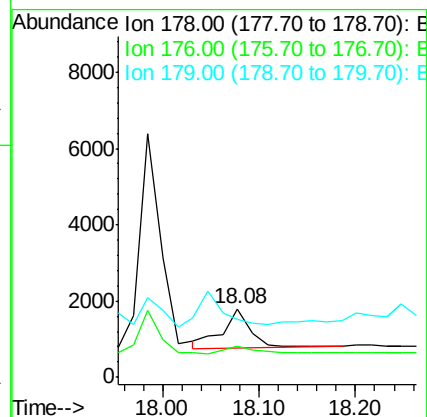
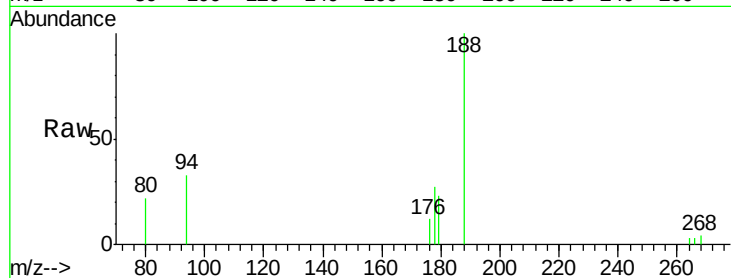
Tot Ion:178 Resp: 2087

Ion Ratio Lower Upper

178 100

176 45.8 16.2 24.4#

179 83.8 12.8 19.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

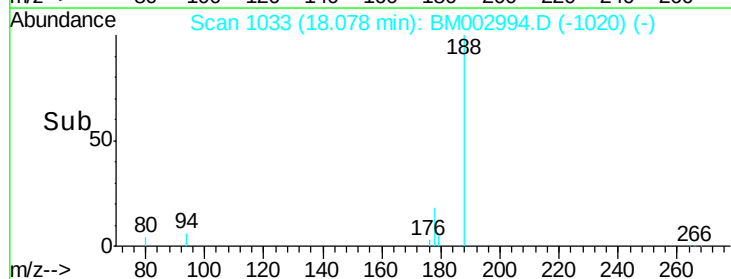
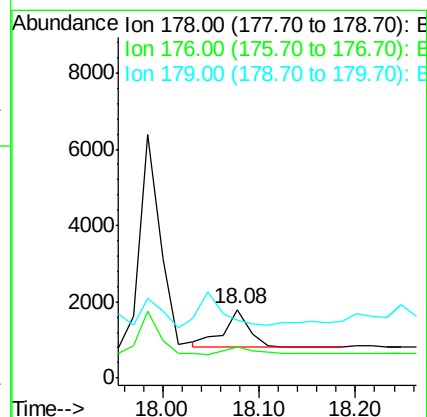
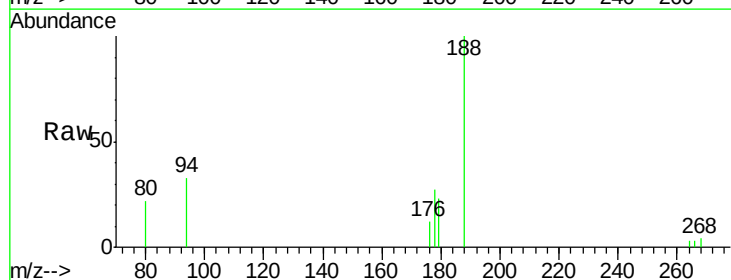
Tgt Ion:178 Resp: 1878

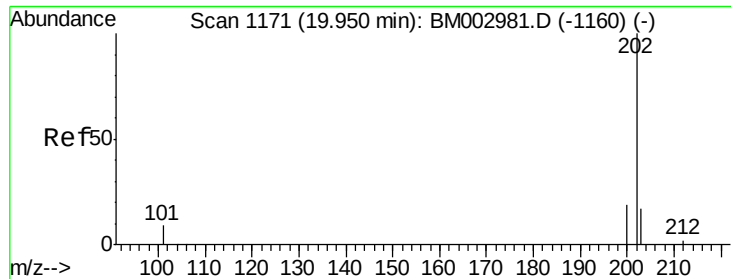
Ion Ratio Lower Upper

178 100

176 45.8 15.8 23.8#

179 83.8 13.3 19.9#

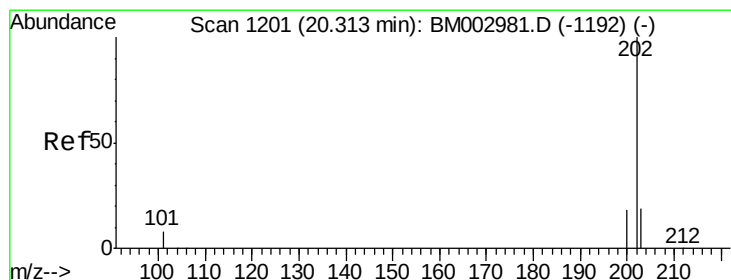
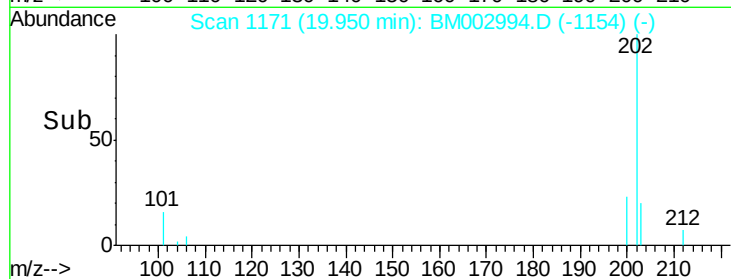
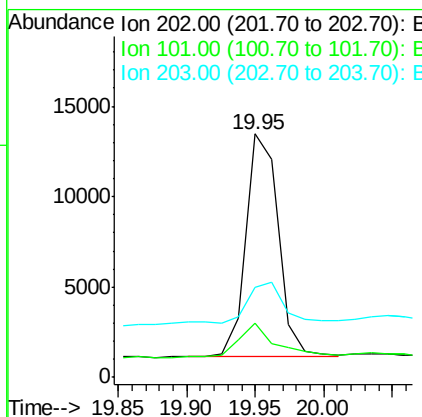
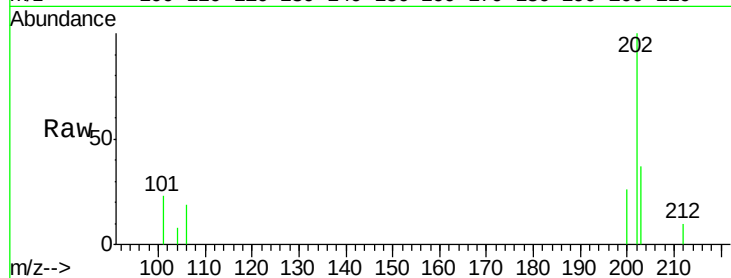




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.95 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BM002994.D
 Acq: 23 Oct 2015 01:28

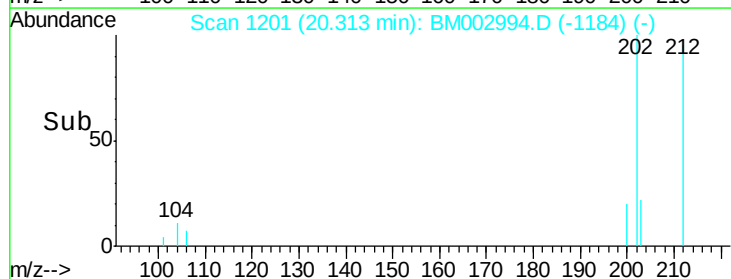
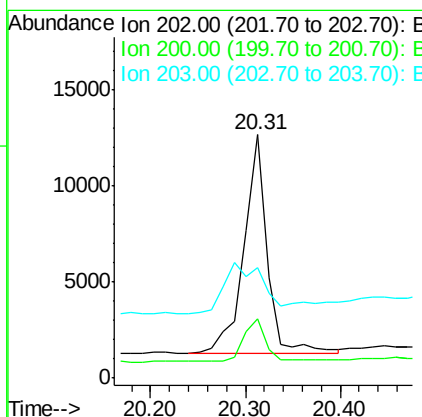
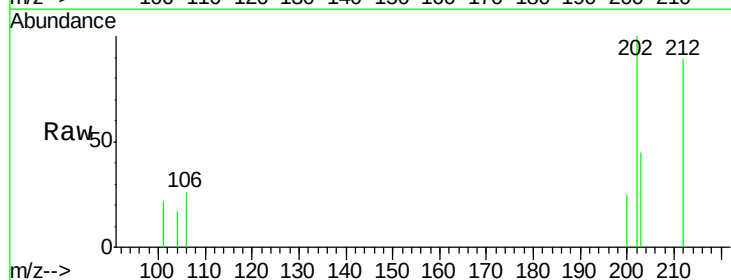
Instrument :
 BNA_M
 ClientSampleId :
 JG9K4

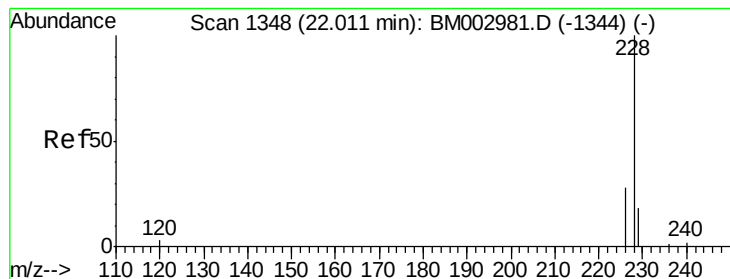
Tot Ion:202 Resp: 20269
 Ion Ratio Lower Upper
 202 100
 101 22.5 0.0 33.1
 203 37.1 0.0 37.2



#19
Pyrene
 Concen: 0.18 ng/ul
 RT: 20.31 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BM002994.D
 Acq: 23 Oct 2015 01:28

Tgt Ion:202 Resp: 19139
 Ion Ratio Lower Upper
 202 100
 200 24.6 18.0 27.0
 203 45.1 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.23 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. 0.06 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

Instrument :

BNA_M

ClientSampled :

JG9K4

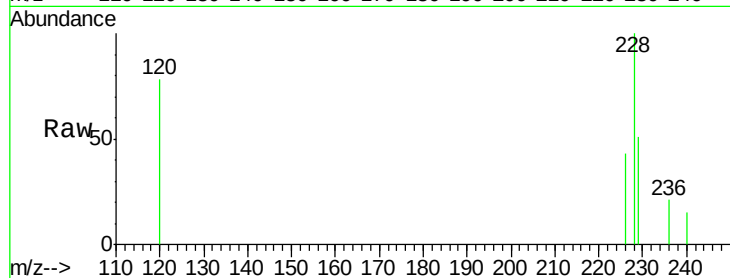
Tot Ion:228 Resp: 22204

Ion Ratio Lower Upper

228 100

226 43.3 23.0 34.4#

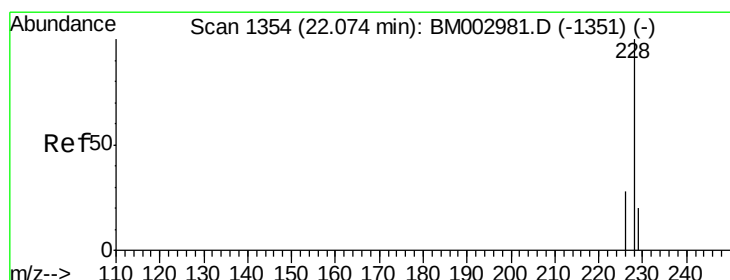
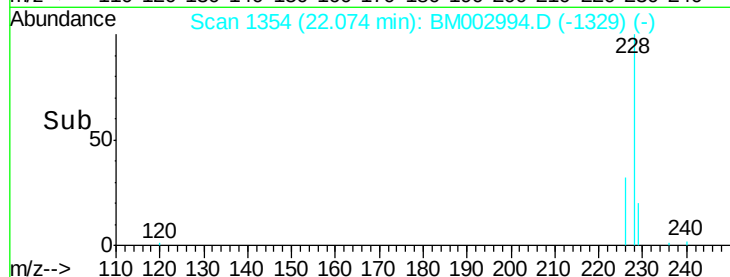
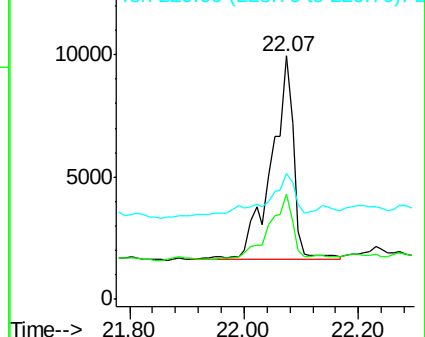
229 51.5 15.2 22.8#



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: 0.22 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

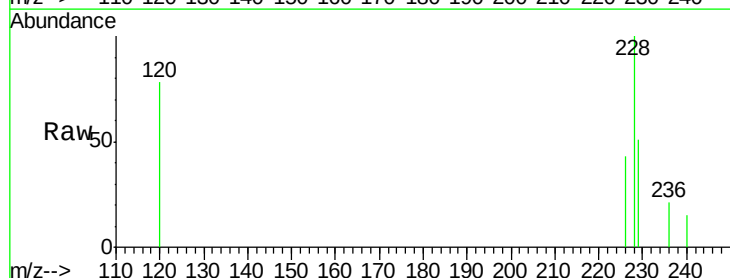
Tgt Ion:228 Resp: 22204

Ion Ratio Lower Upper

228 100

226 43.3 25.7 38.5#

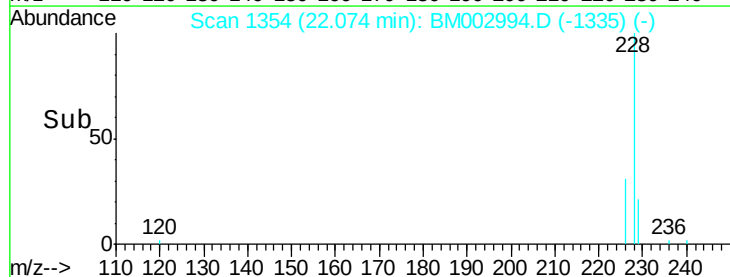
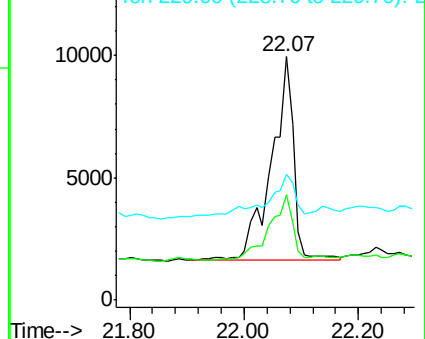
229 51.5 15.2 22.8#

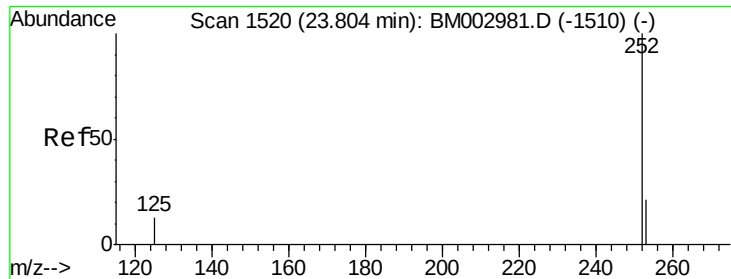


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.27 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. 0.01 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

Instrument :

BNA_M

ClientSampleId :

JG9K4

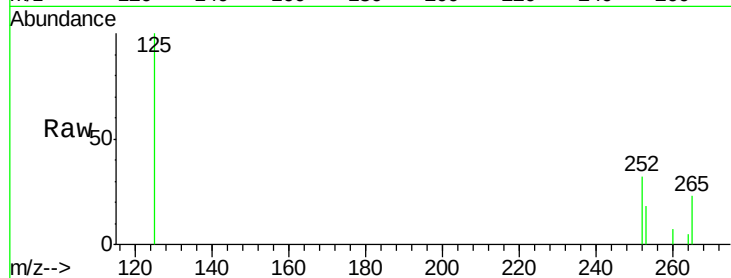
Tot Ion:252 Resp: 22103

Ion Ratio Lower Upper

252 100

253 57.3 0.0 48.0#

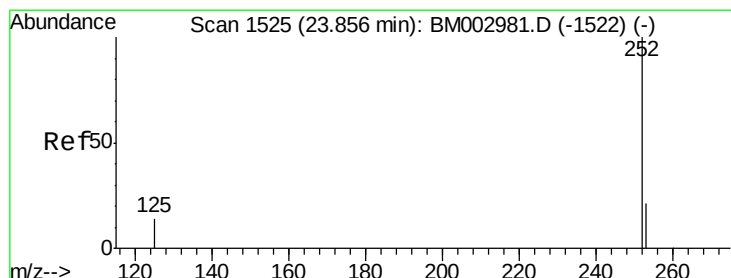
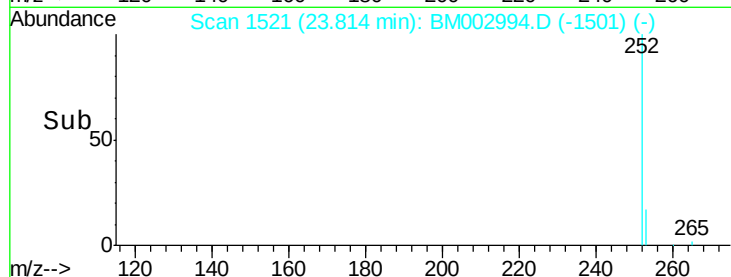
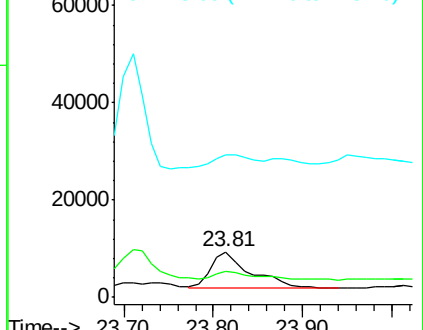
125 312.8 0.0 36.6#



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: 0.28 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. -0.04 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

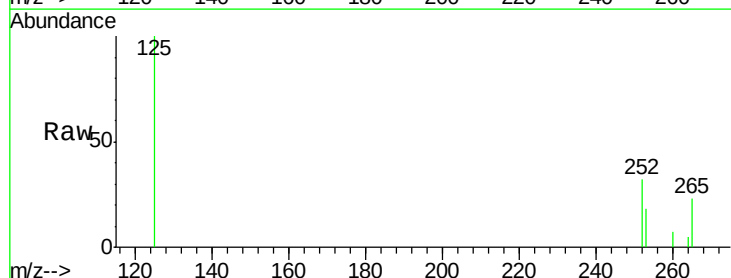
Tgt Ion:252 Resp: 22103

Ion Ratio Lower Upper

252 100

253 57.3 20.8 31.2#

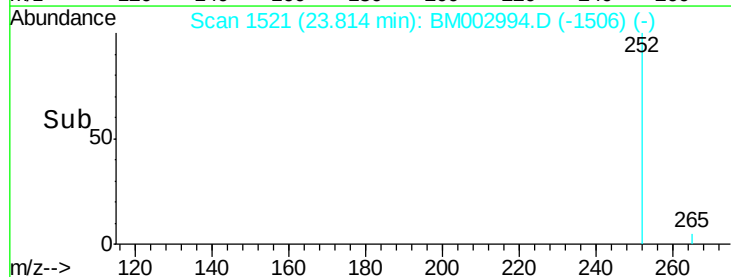
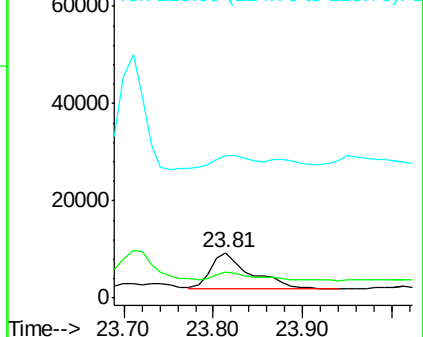
125 312.8 12.2 18.4#

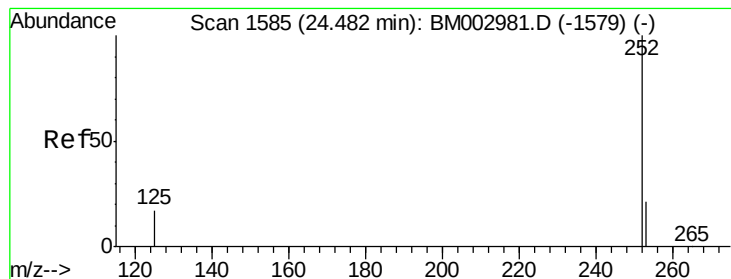


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 24.49 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

Instrument :

BNA_M

ClientSampleId :

JG9K4

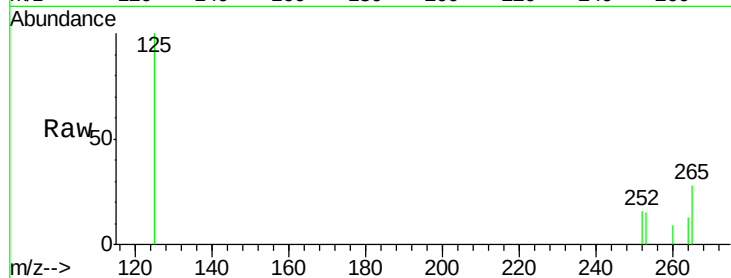
Tot Ion:252 Resp: 4339

Ion Ratio Lower Upper

252 100

253 97.3 21.8 32.8#

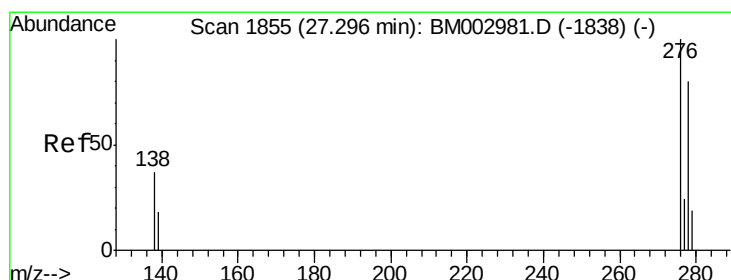
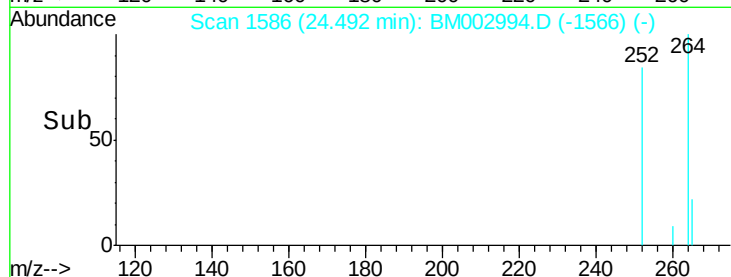
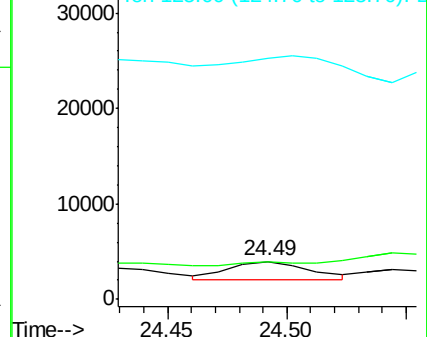
125 632.5 14.5 21.7#



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: 0.07 ng/ul

RT: 27.33 min Scan# 1858

Delta R.T. 0.03 min

Lab File: BM002994.D

Acq: 23 Oct 2015 01:28

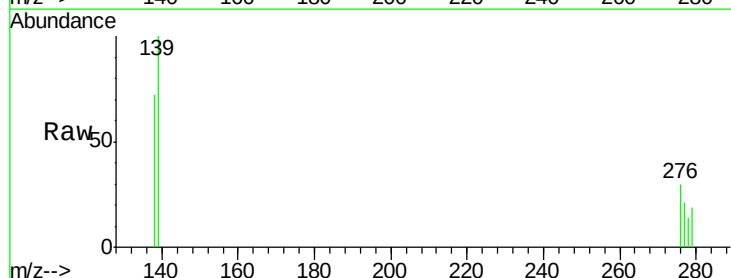
Tgt Ion:276 Resp: 5939

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

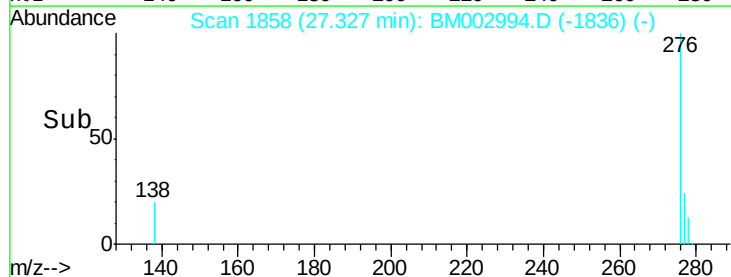
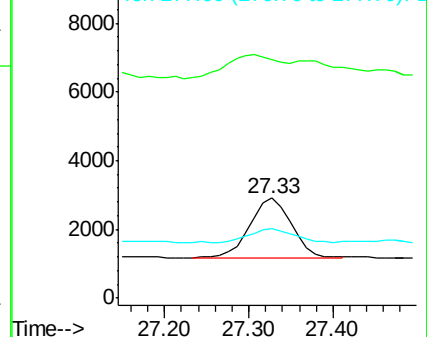
277 26.7 19.3 28.9

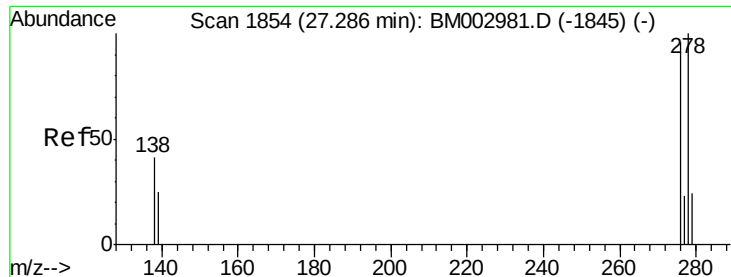


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

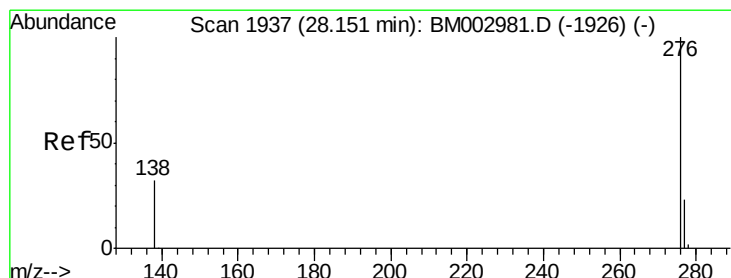
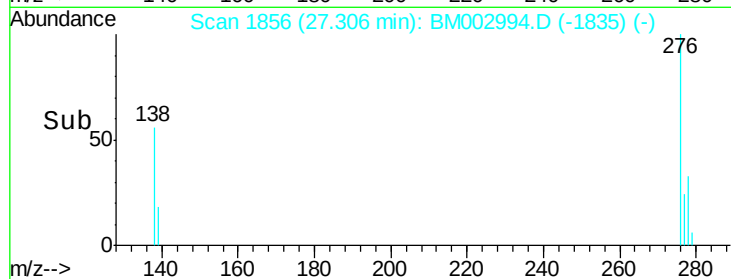
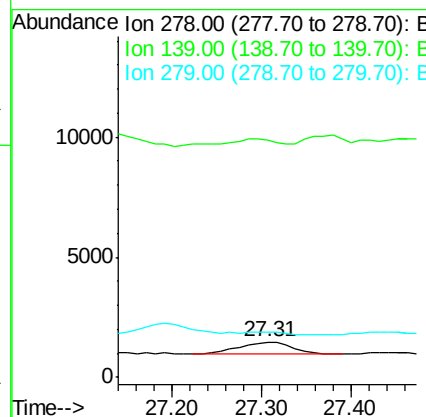
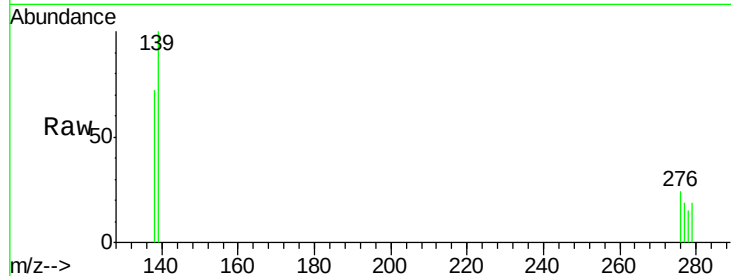




#27
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 27.31 min Scan# 1856
Delta R.T. 0.02 min
Lab File: BM002994.D
Acq: 23 Oct 2015 01:28

Instrument :
BNA_M
ClientSampleId :
JG9K4

Tot Ion:278 Resp: 2120
Ion Ratio Lower Upper
278 100
139 672.8 21.7 32.5#
279 127.2 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.17 ng/ul
RT: 28.18 min Scan# 1940
Delta R.T. 0.03 min
Lab File: BM002994.D
Acq: 23 Oct 2015 01:28

Tgt Ion:276 Resp: 11664
Ion Ratio Lower Upper
276 100
277 64.0 21.3 31.9#
138 223.2 25.5 38.3#

