

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002956.D
 Acq On : 21 Oct 2015 20:24
 Operator : UM/IZ
 Sample : G4075-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H8MSD

Quant Time: Oct 22 12:03:59 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

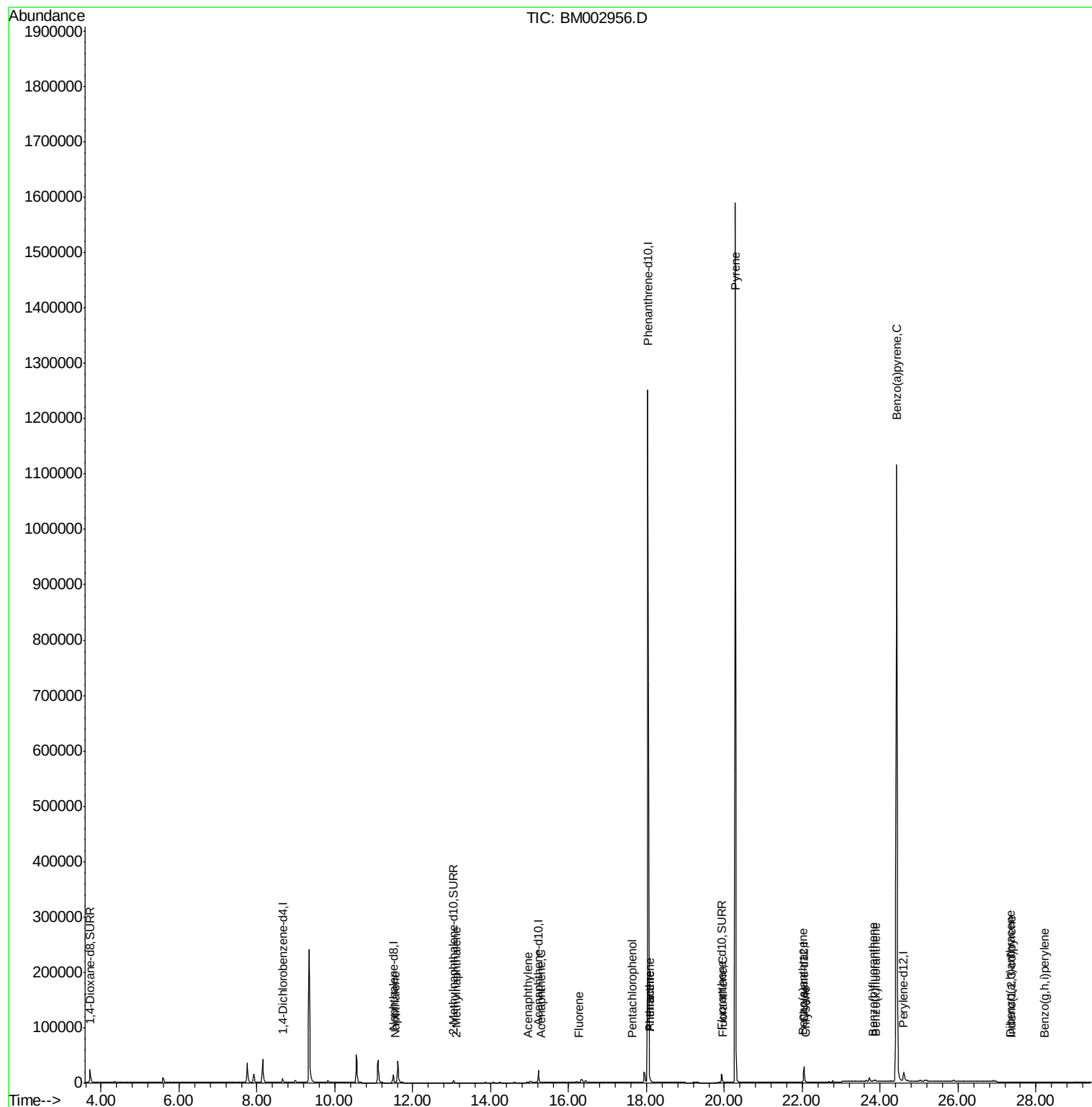
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	4954	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	23081	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	13885	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1651678	0.40	ng/ul	0.08
18) Chrysene-d12	22.04	240	30769	0.40	ng/ul	0.00
22) Perylene-d12	24.61	264	31457	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	20572	3.89	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.05	152	8989	0.23	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	19750	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	11.55	128	184	0.00	ng/ul#	1
7) 2-Methylnaphthalene	13.12	142	369	0.01	ng/ul	89
9) Acenaphthylene	14.96	152	734	0.01	ng/ul#	70
10) Acenaphthene	15.30	153	343	0.01	ng/ul#	74
11) Fluorene	16.27	166	689	0.01	ng/ul#	79
13) Pentachlorophenol	17.63	266	369	0.00	ng/ul	92
14) Phenanthrene	18.08	178	2007	0.00	ng/ul#	73
15) Anthracene	18.08	178	1965	0.00	ng/ul#	72
17) Fluoranthene	19.96	202	2623	0.00	ng/ul	79
19) Pyrene	20.28	202	5242	0.05	ng/ul#	1
20) Benzo(a)anthracene	22.02	228	2225	0.02	ng/ul#	87
21) Chrysene	22.08	228	2443	0.02	ng/ul#	87
23) Benzo(b)fluoranthene	23.82	252	2086	0.02	ng/ul#	9
24) Benzo(k)fluoranthene	23.88	252	1980	0.02	ng/ul#	9
25) Benzo(a)pyrene	24.42	252	8234	0.08	ng/ul#	56
26) Indeno(1,2,3-cd)pyrene	27.37	276	2180	0.02	ng/ul	98
27) Dibenzo(a,h)anthracene	27.34	278	1742	0.02	ng/ul#	39
28) Benzo(g,h,i)perylene	28.22	276	1769	0.02	ng/ul#	49

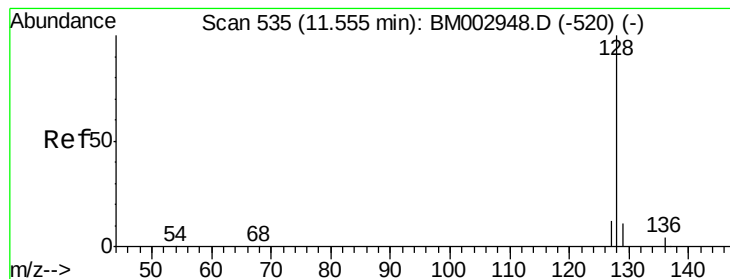
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 11.55 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampleId :

JG9H8MSD

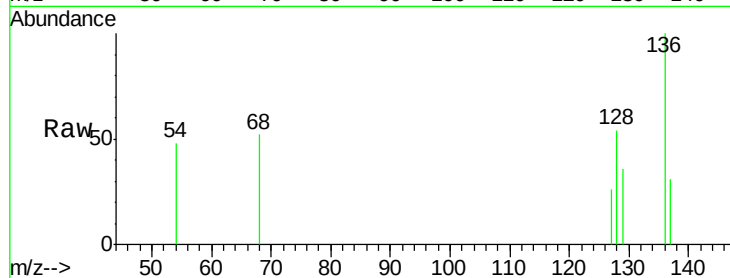
Tgt Ion:128 Resp: 184

Ion Ratio Lower Upper

128 100

129 67.1 9.8 14.8#

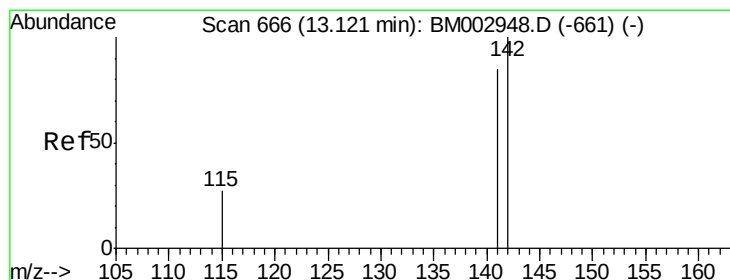
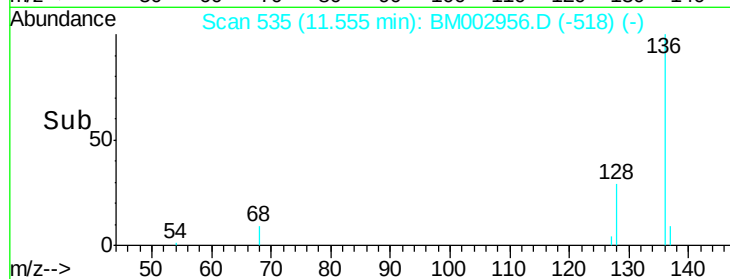
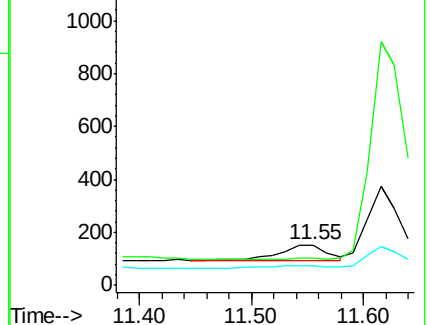
127 48.7 10.7 16.1#



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: 0.01 ng/ul

RT: 13.12 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM002956.D

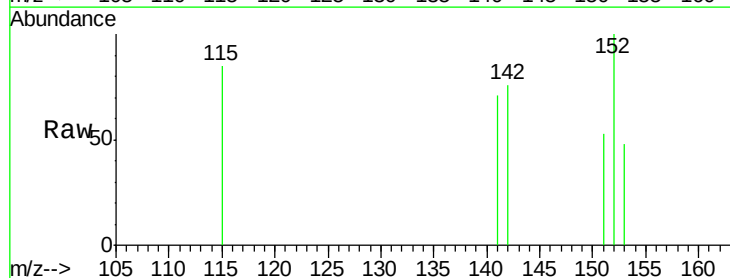
Acq: 21 Oct 2015 20:24

Tgt Ion:142 Resp: 369

Ion Ratio Lower Upper

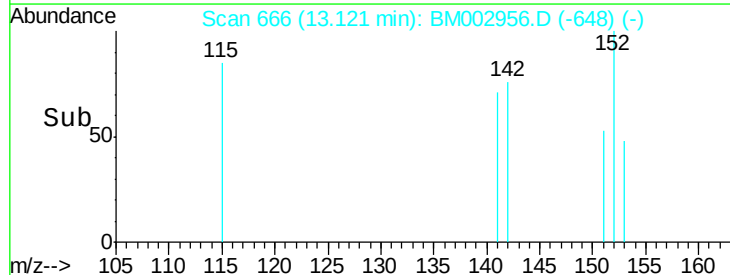
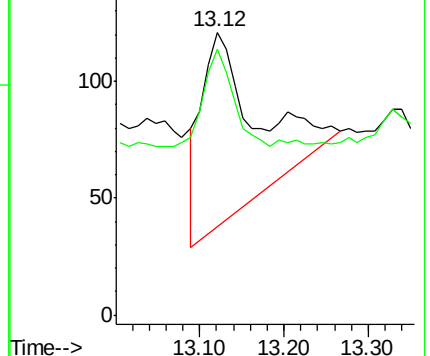
142 100

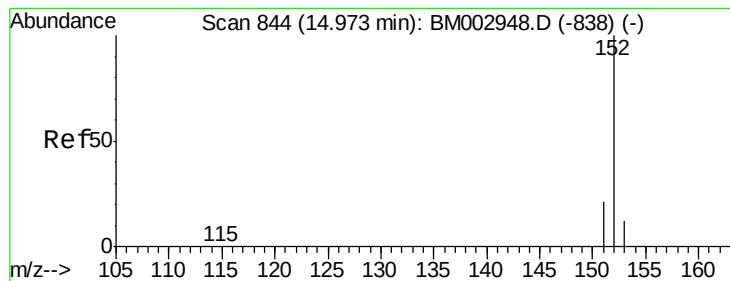
141 98.4 70.3 105.5



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: 14.96 min Scan# 843

Delta R.T. -0.01 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampled :

JG9H8MSD

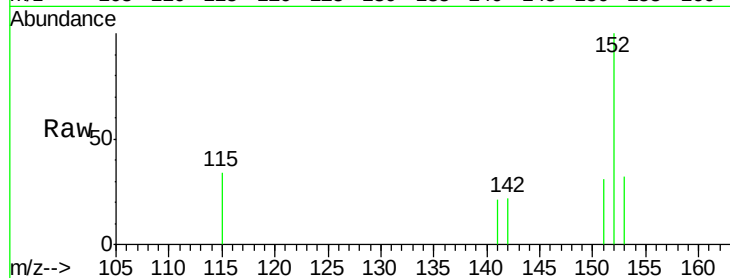
Tgt Ion:152 Resp: 734

Ion Ratio Lower Upper

152 100

151 30.7 16.8 25.2#

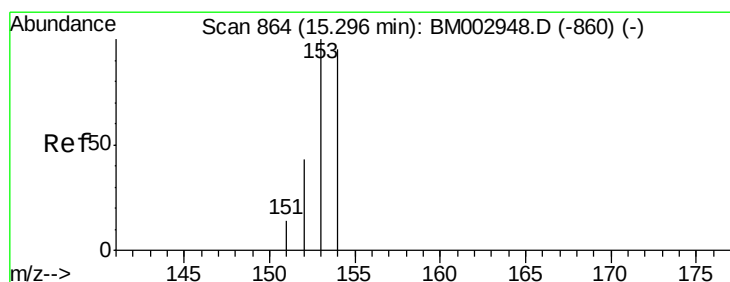
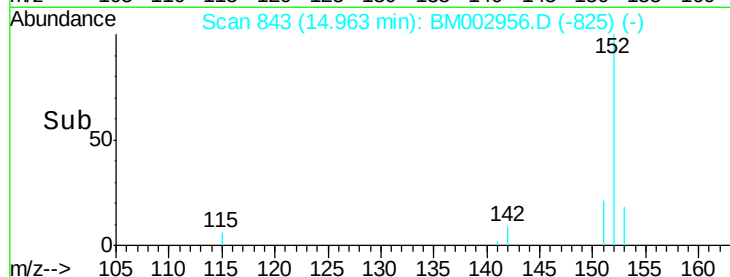
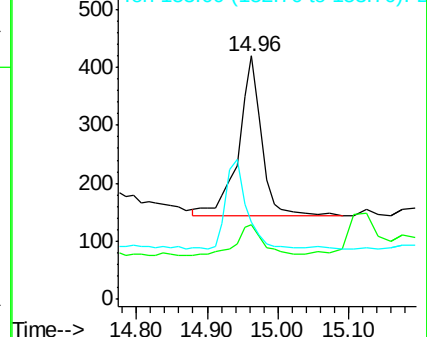
153 31.9 11.3 16.9#



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: 15.30 min Scan# 864

Delta R.T. -0.00 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

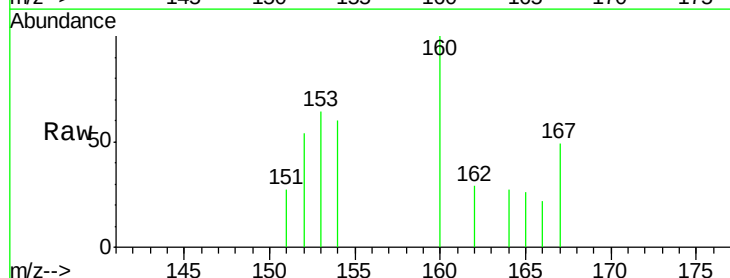
Tgt Ion:153 Resp: 343

Ion Ratio Lower Upper

153 100

152 84.3 42.3 63.5#

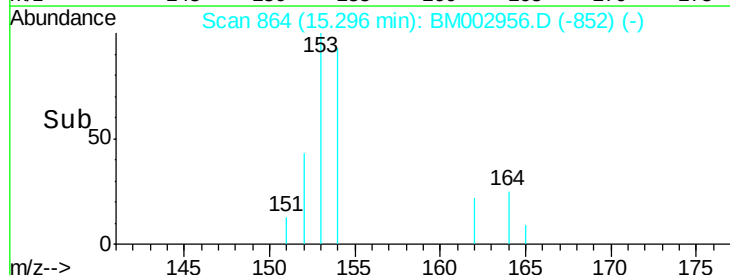
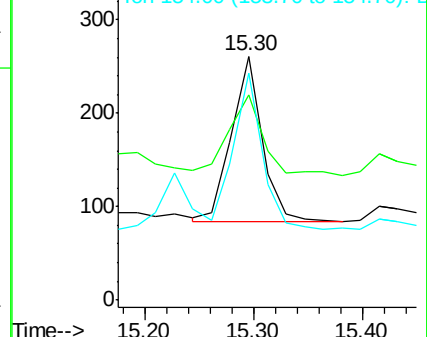
154 93.1 64.7 97.1

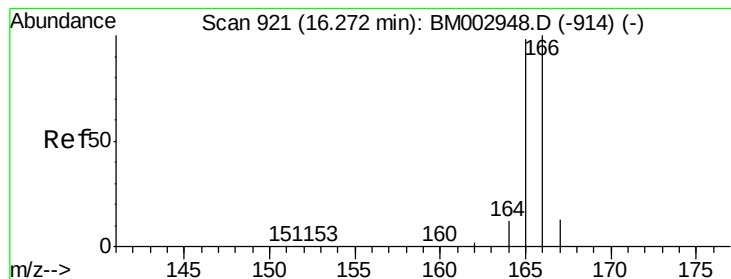


Abundance Ion 153.00 (152.70 to 153.70): E

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: 16.27 min Scan# 921

Delta R.T. -0.00 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampleId :

JG9H8MSD

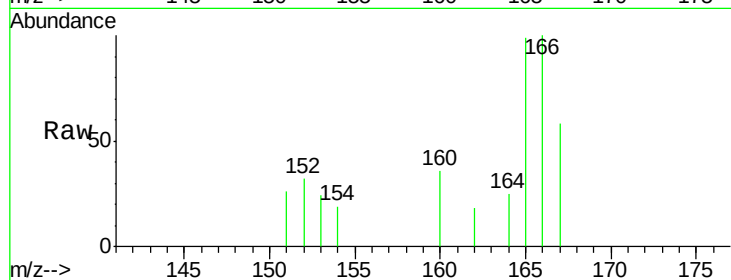
Tgt Ion:166 Resp: 689

Ion Ratio Lower Upper

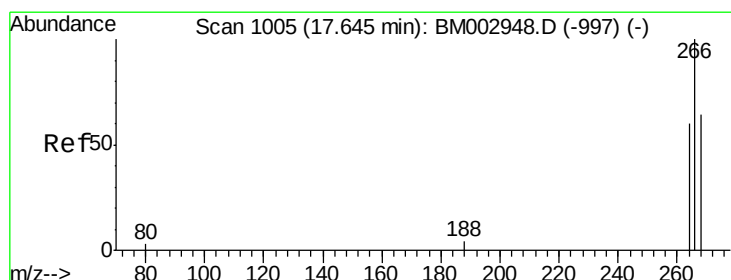
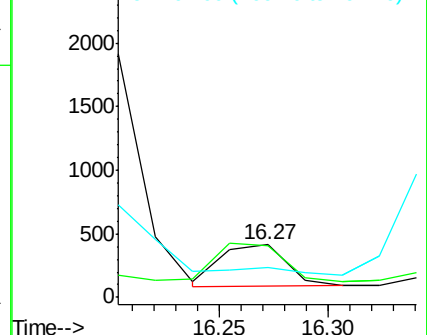
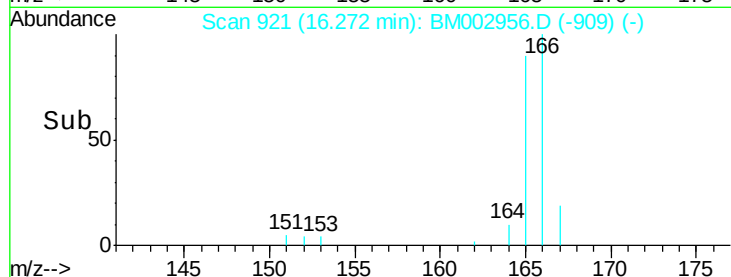
166 100

165 98.8 87.6 131.4

167 58.0 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.63 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

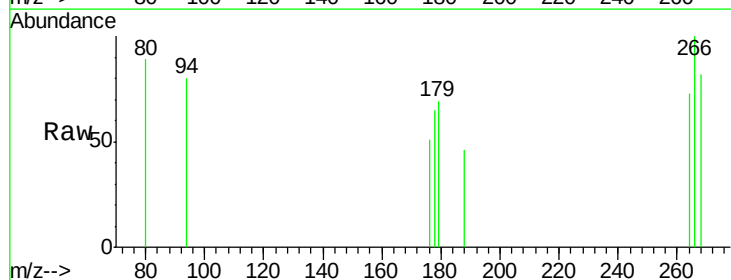
Tgt Ion:266 Resp: 369

Ion Ratio Lower Upper

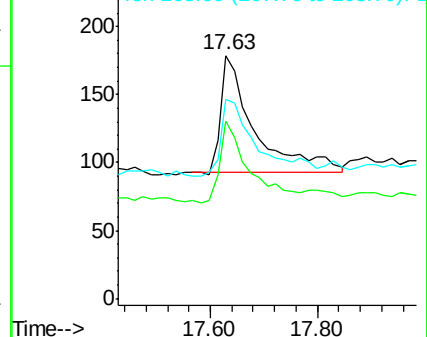
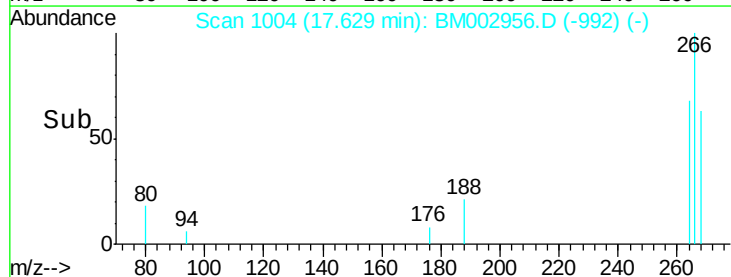
266 100

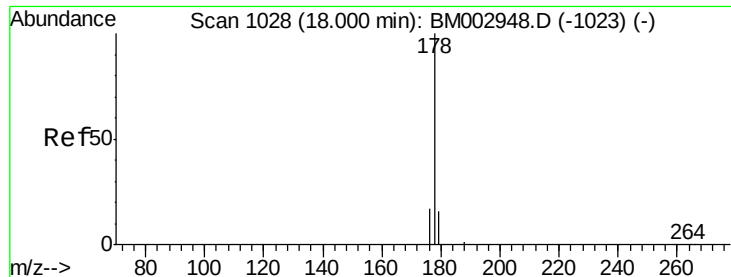
264 75.3 53.5 80.3

268 72.9 54.2 81.2



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.08 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampleId :

JG9H8MSD

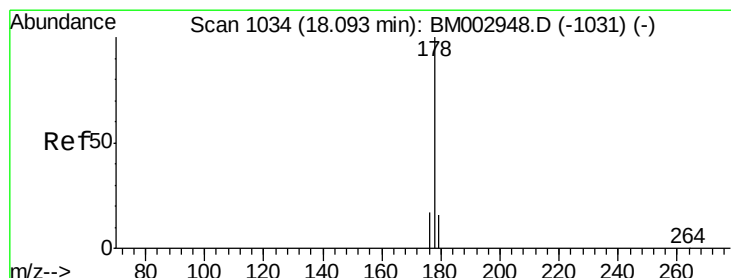
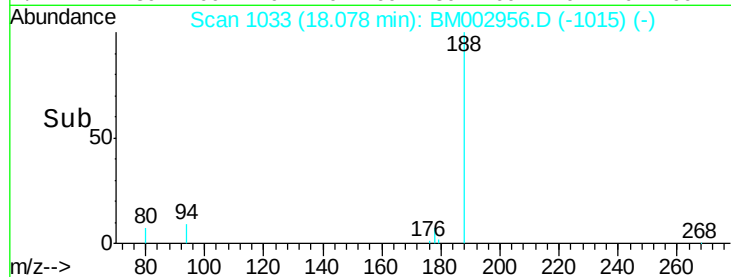
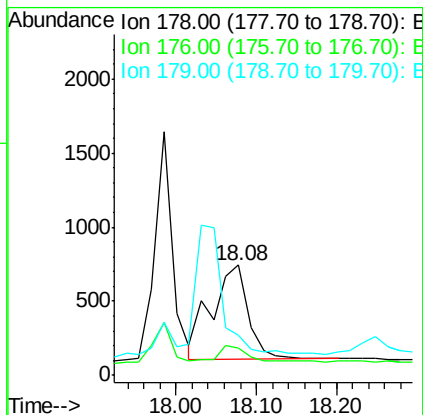
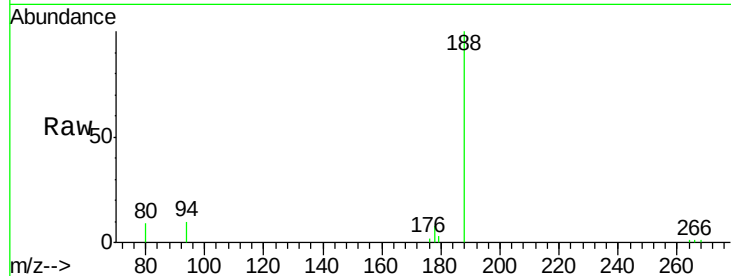
Tgt Ion:178 Resp: 2007

Ion Ratio Lower Upper

178 100

176 25.3 16.2 24.4#

179 36.4 12.8 19.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

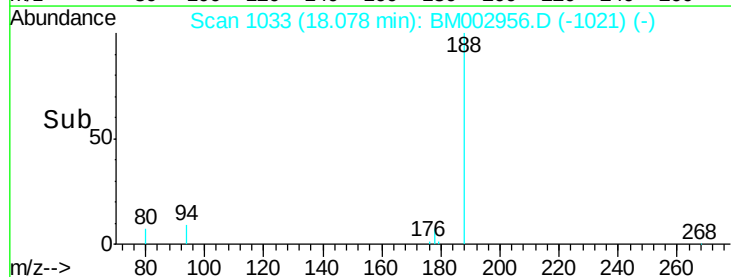
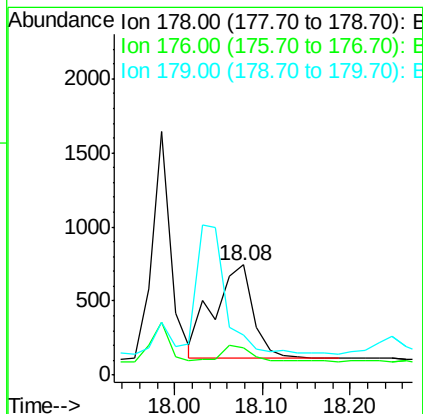
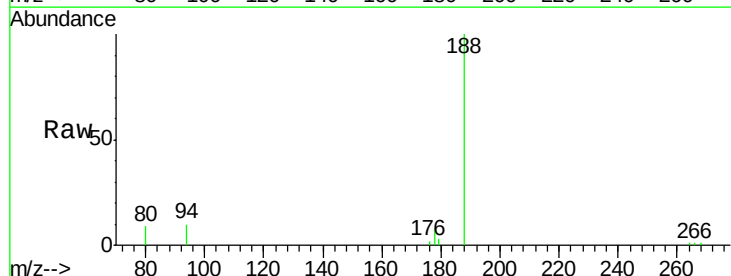
Tgt Ion:178 Resp: 1965

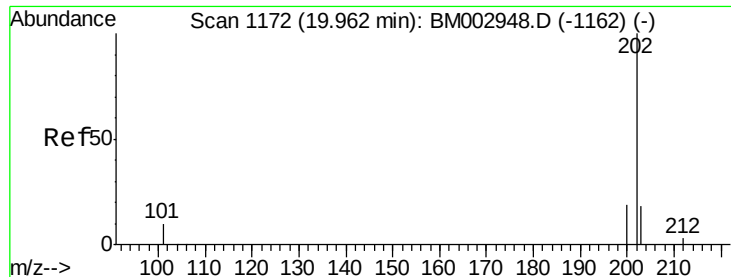
Ion Ratio Lower Upper

178 100

176 25.3 15.8 23.8#

179 36.4 13.3 19.9#

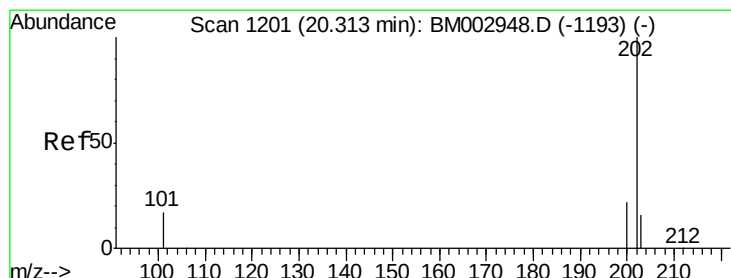
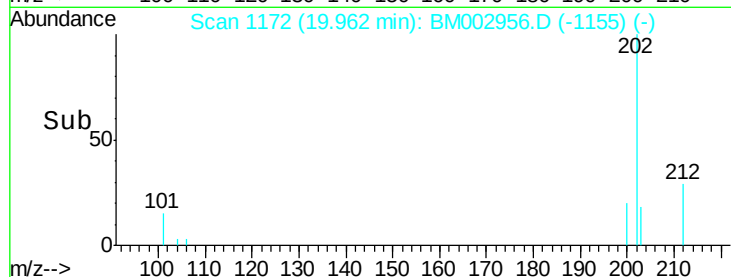
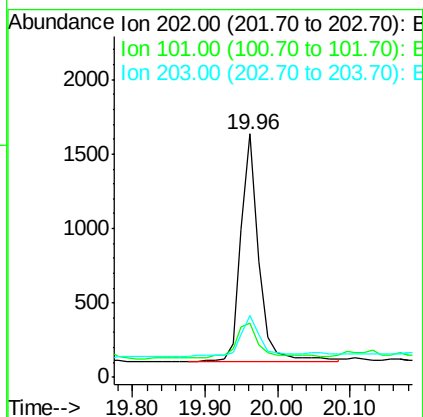
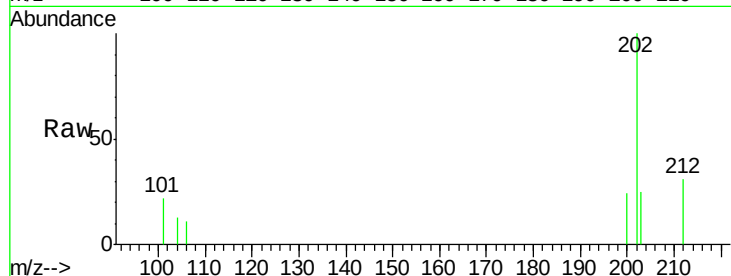




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.96 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BM002956.D
 Acq: 21 Oct 2015 20:24

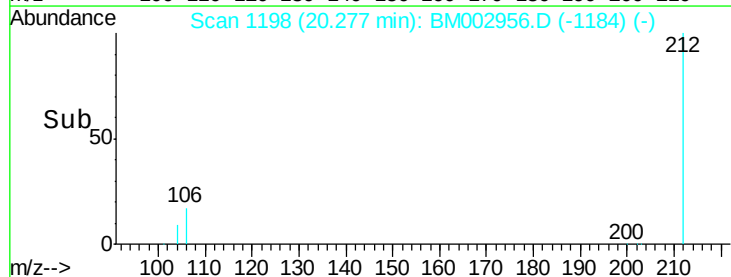
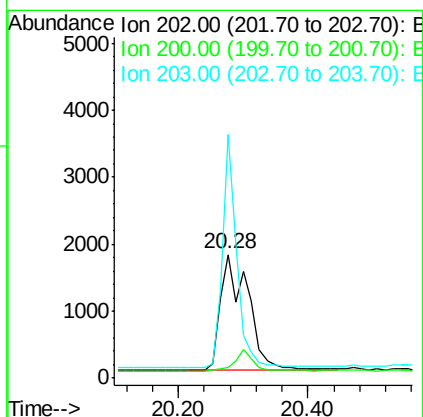
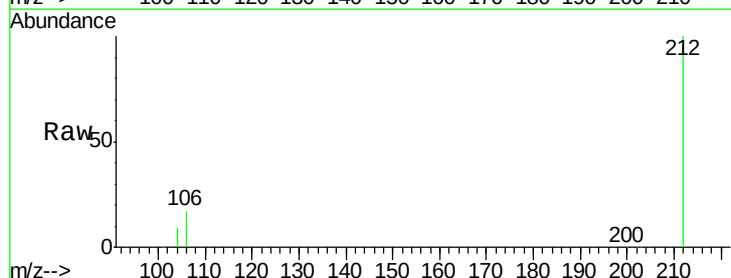
Instrument :
 BNA_M
 ClientSampleId :
 JG9H8MSD

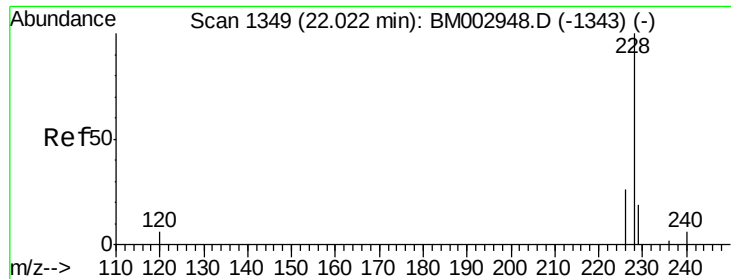
Tgt Ion:202 Resp: 2623
 Ion Ratio Lower Upper
 202 100
 101 22.4 0.0 33.1
 203 25.4 0.0 37.2



#19
Pyrene
 Concen: 0.05 ng/ul
 RT: 20.28 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: BM002956.D
 Acq: 21 Oct 2015 20:24

Tgt Ion:202 Resp: 5242
 Ion Ratio Lower Upper
 202 100
 200 8.4 18.0 27.0#
 203 196.9 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 22.02 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampleId :

JG9H8MSD

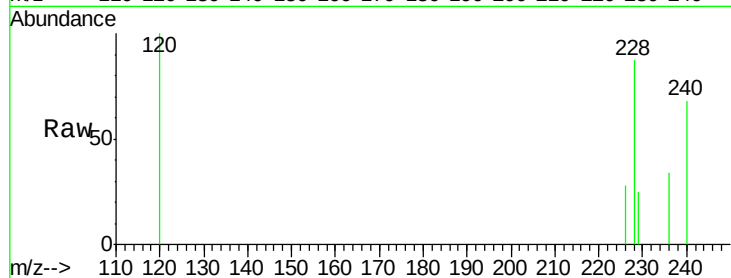
Tgt Ion:228 Resp: 2225

Ion Ratio Lower Upper

228 100

226 32.5 23.0 34.4

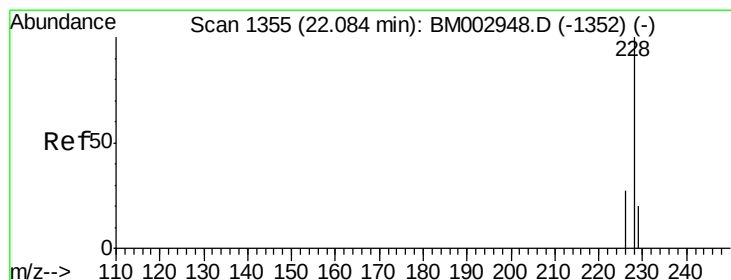
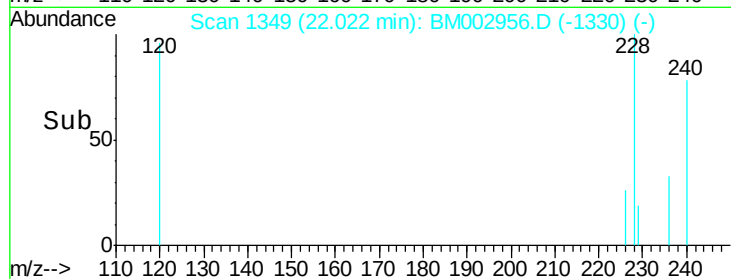
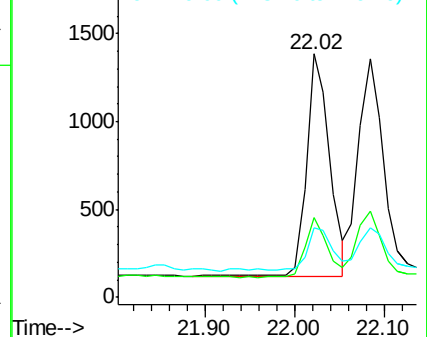
229 28.4 15.2 22.8#



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: 0.02 ng/ul

RT: 22.08 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

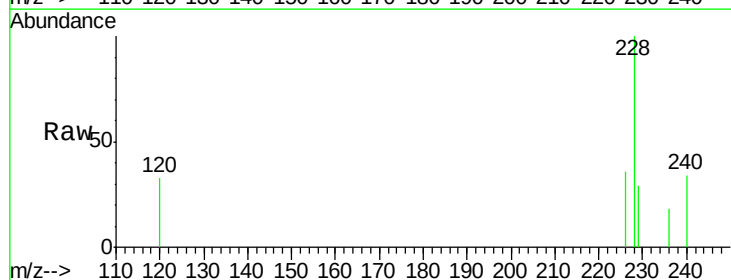
Tgt Ion:228 Resp: 2443

Ion Ratio Lower Upper

228 100

226 35.9 25.7 38.5

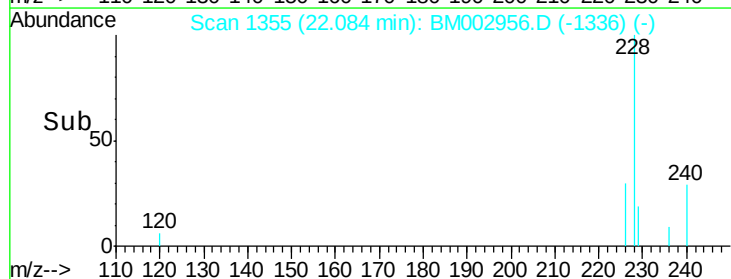
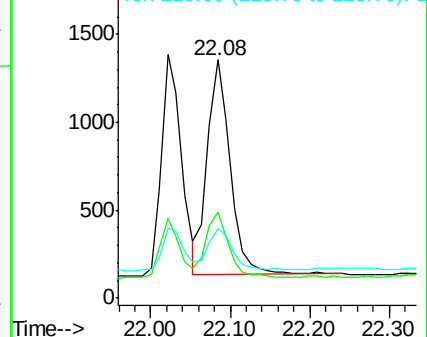
229 29.2 15.2 22.8#

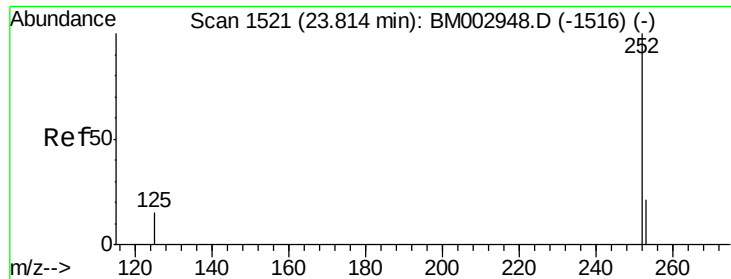


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 23.82 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampleId :

JG9H8MSD

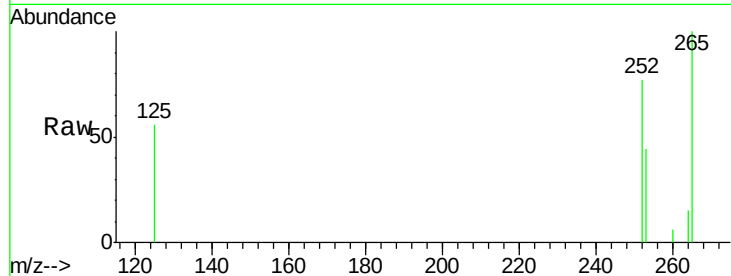
Tgt Ion:252 Resp: 2086

Ion Ratio Lower Upper

252 100

253 57.4 0.0 48.0#

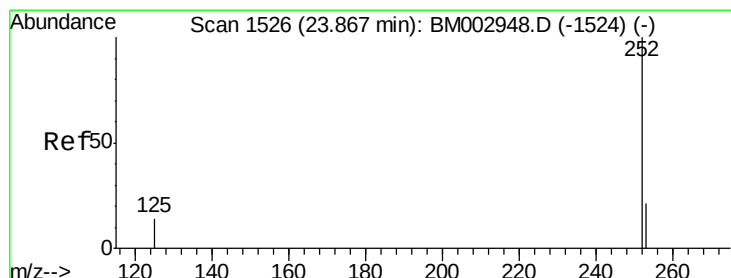
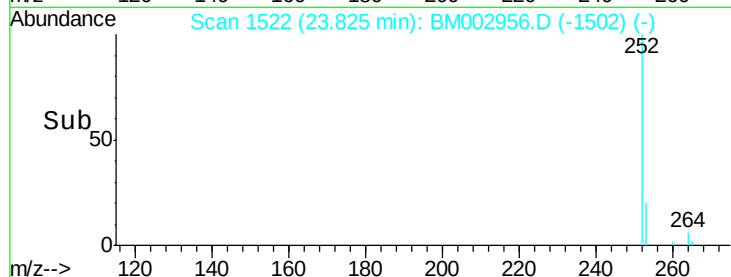
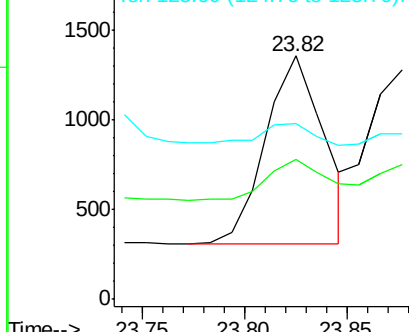
125 72.1 0.0 36.6#



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: 0.02 ng/ul

RT: 23.88 min Scan# 1527

Delta R.T. 0.01 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

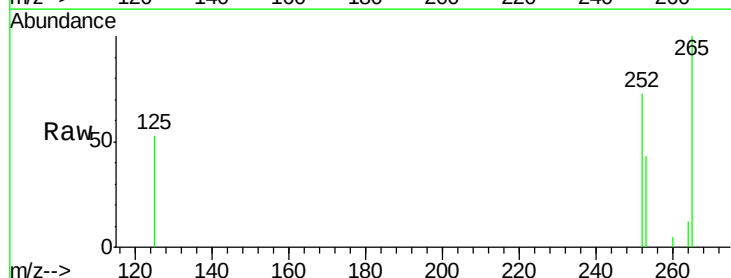
Tgt Ion:252 Resp: 1980

Ion Ratio Lower Upper

252 100

253 58.6 20.8 31.2#

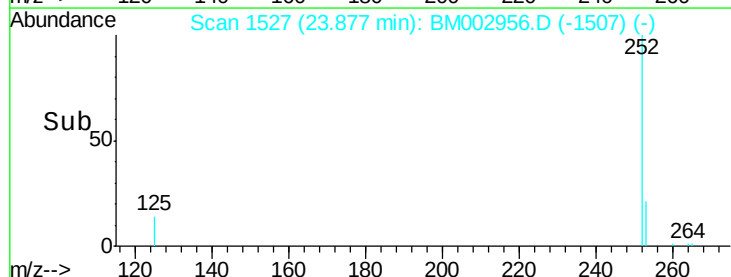
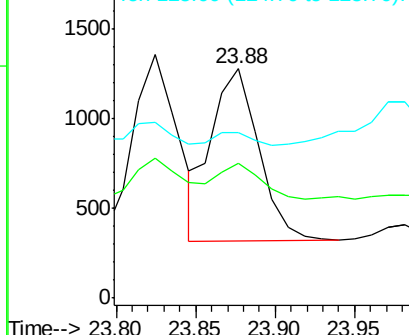
125 72.5 12.2 18.4#

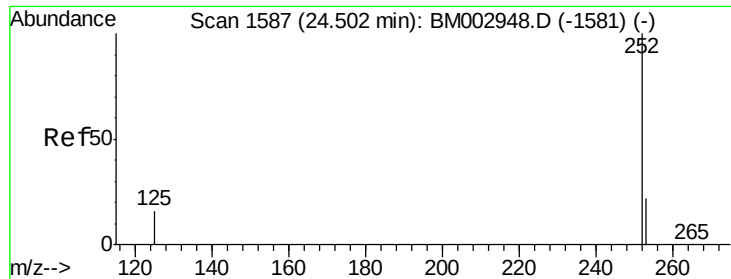


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampleId :

JG9H8MSD

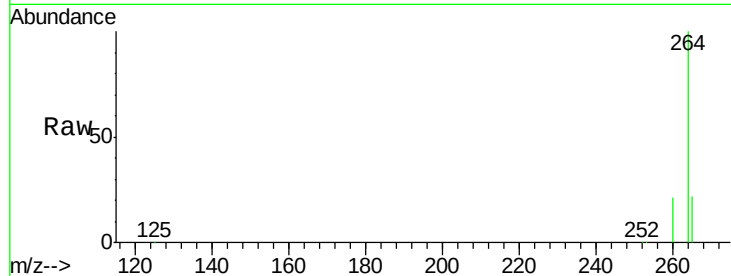
Tgt Ion: 252 Resp: 8234

Ion Ratio Lower Upper

252 100

253 42.4 21.8 32.8#

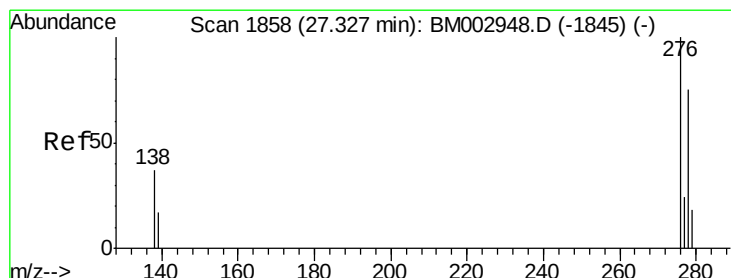
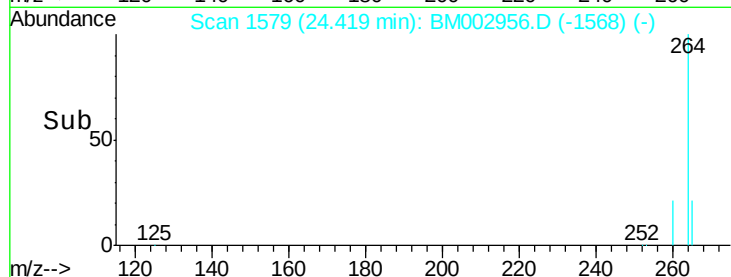
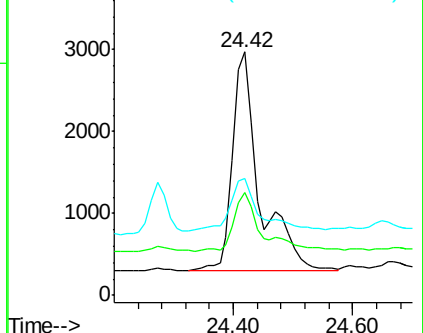
125 48.1 14.5 21.7#



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: 0.02 ng/ul

RT: 27.37 min Scan# 1862

Delta R.T. 0.04 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

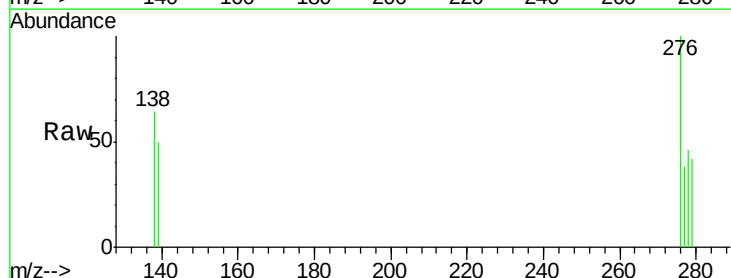
Tgt Ion: 276 Resp: 2180

Ion Ratio Lower Upper

276 100

138 33.4 27.5 41.3

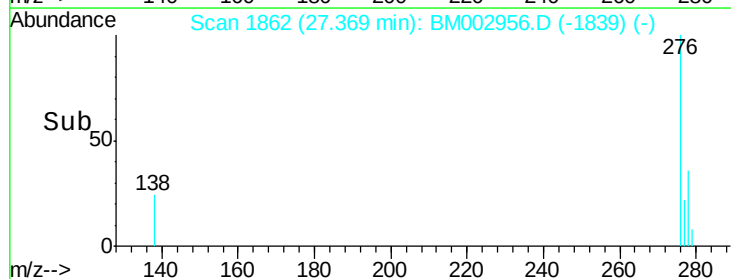
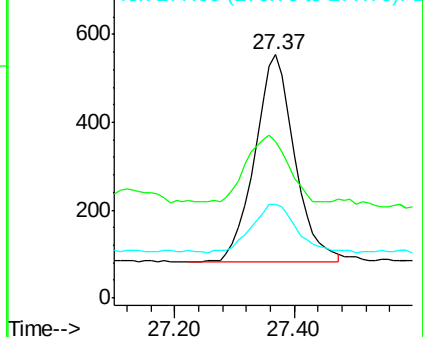
277 25.4 19.3 28.9

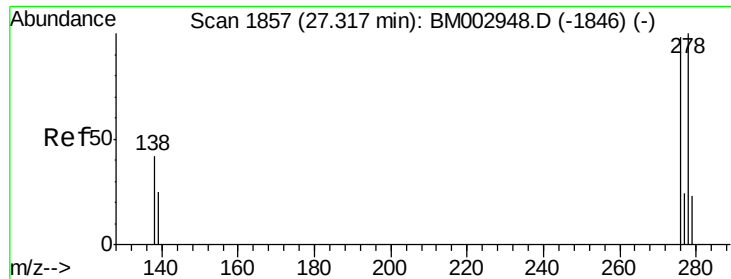


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 27.34 min Scan# 1859

Delta R.T. 0.02 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

Instrument :

BNA_M

ClientSampleId :

JG9H8MSD

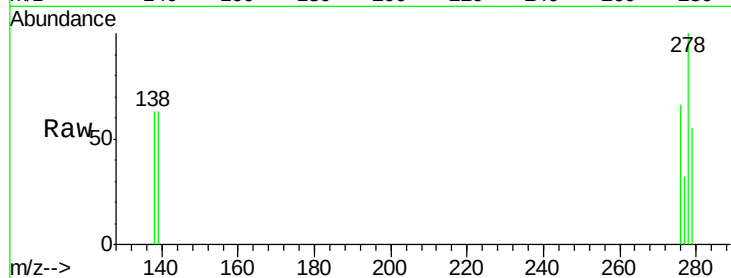
Tgt Ion: 278 Resp: 1742

Ion Ratio Lower Upper

278 100

139 63.1 21.7 32.5#

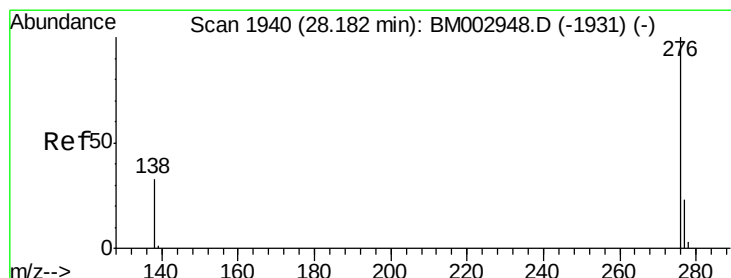
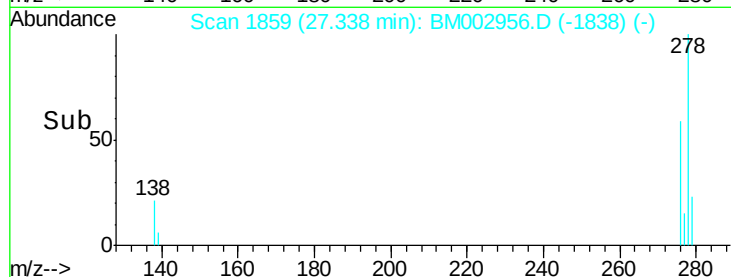
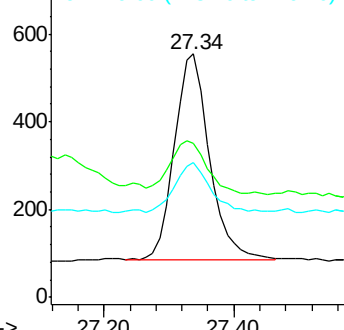
279 55.1 21.9 32.9#



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: 28.22 min Scan# 1944

Delta R.T. 0.04 min

Lab File: BM002956.D

Acq: 21 Oct 2015 20:24

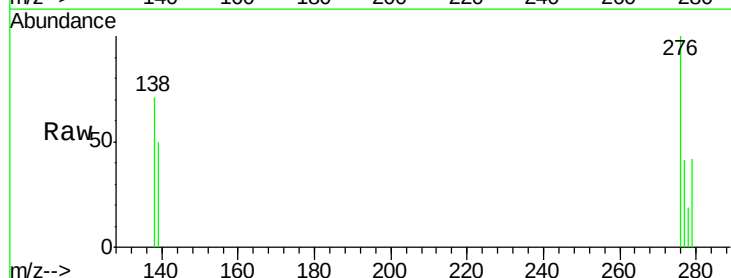
Tgt Ion: 276 Resp: 1769

Ion Ratio Lower Upper

276 100

277 40.9 21.3 31.9#

138 70.6 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

