

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002955.D
 Acq On : 21 Oct 2015 19:48
 Operator : UM/IZ
 Sample : G4075-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H8MS

Quant Time: Oct 22 12:03:49 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

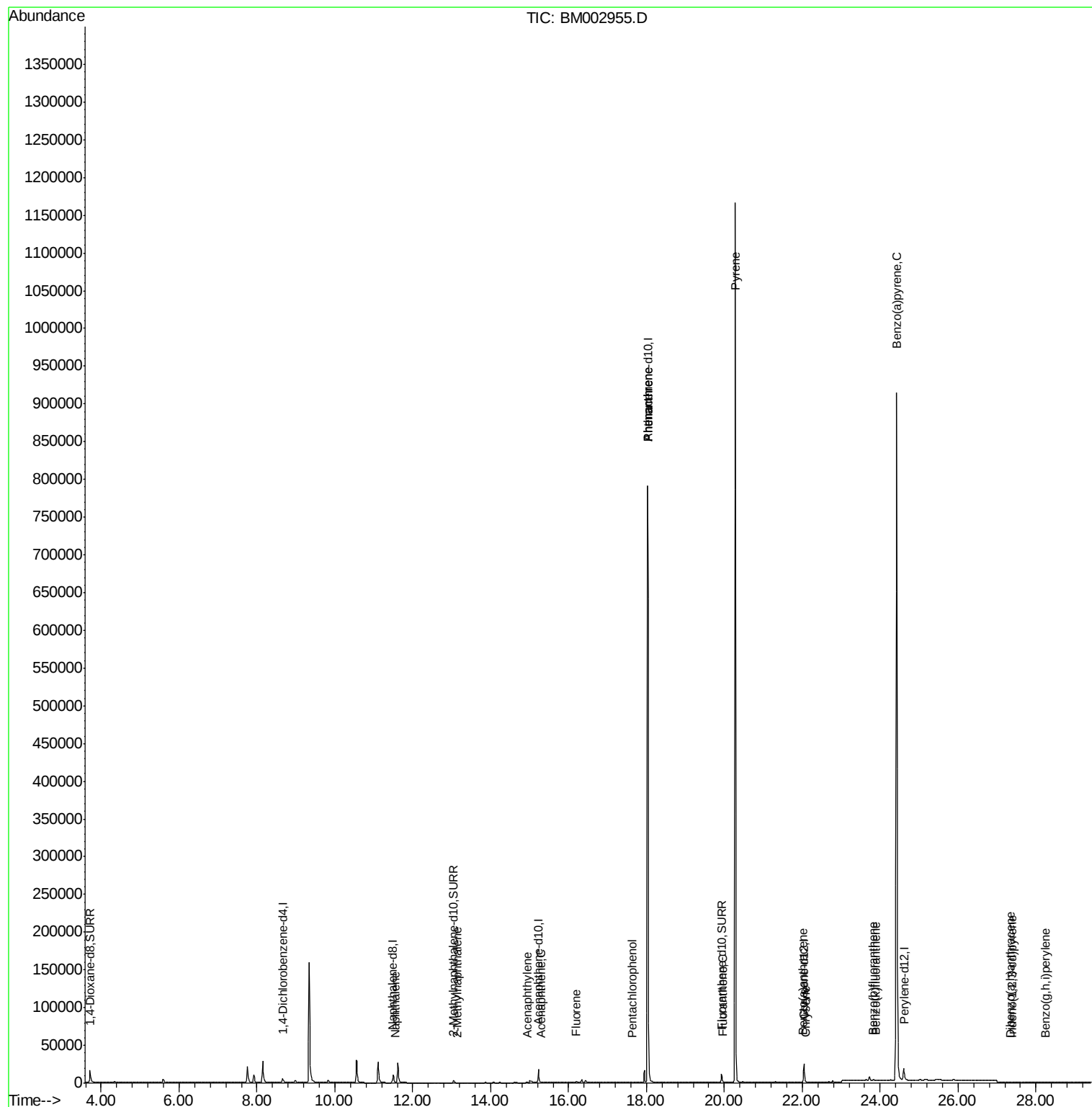
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	3870	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	17882	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	10778	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1185568	0.40	ng/ul	0.08
18) Chrysene-d12	22.04	240	26913	0.40	ng/ul	0.00
22) Perylene-d12	24.61	264	28824	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	13884	3.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.05	152	6296	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	14523	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	11.54	128	205	0.00	ng/ul#	1
7) 2-Methylnaphthalene	13.13	142	1284	0.04	ng/ul	96
9) Acenaphthylene	14.93	152	201	0.00	ng/ul#	1
10) Acenaphthene	15.30	153	100	0.00	ng/ul#	57
11) Fluorene	16.20	166	2014	0.04	ng/ul#	10
13) Pentachlorophenol	17.64	266	240	0.00	ng/ul#	77
14) Phenanthrene	18.03	178	809	0.00	ng/ul#	1
15) Anthracene	18.03	178	746	0.00	ng/ul#	1
17) Fluoranthene	19.96	202	1904	0.00	ng/ul	69
19) Pyrene	20.28	202	3976	0.04	ng/ul#	1
20) Benzo(a)anthracene	22.02	228	1091	0.01	ng/ul#	69
21) Chrysene	22.09	228	1453	0.02	ng/ul#	77
23) Benzo(b)fluoranthene	23.83	252	1152	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	23.88	252	706	0.01	ng/ul#	1
25) Benzo(a)pyrene	24.42	252	6263	0.06	ng/ul#	48
26) Indeno(1,2,3-cd)pyrene	27.38	276	913	0.01	ng/ul#	91
27) Dibenzo(a,h)anthracene	27.34	278	497	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	28.24	276	786	0.01	ng/ul#	1

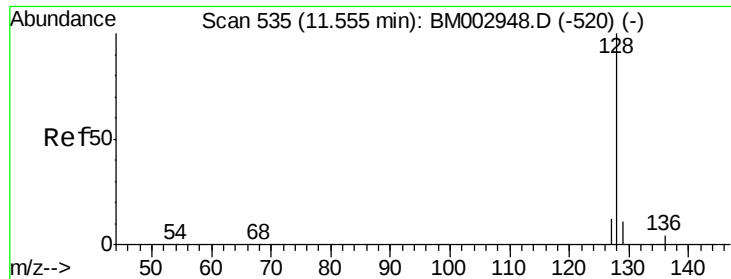
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

Instrument :

BNA_M

ClientSampleId :

JG9H8MS

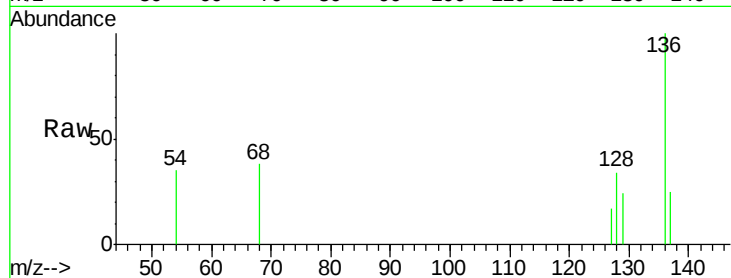
Tgt Ion:128 Resp: 205

Ion Ratio Lower Upper

128 100

129 68.8 9.8 14.8#

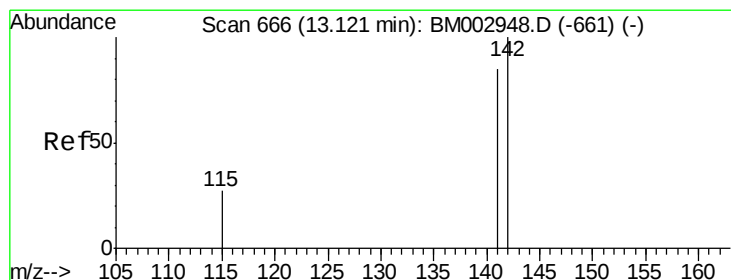
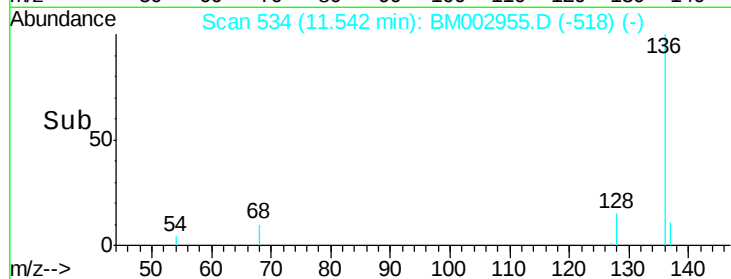
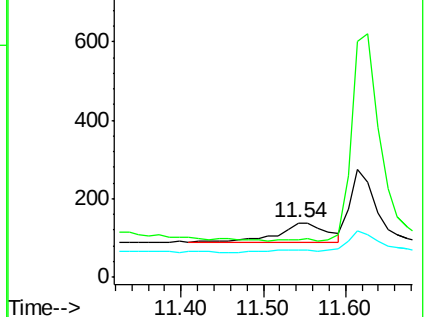
127 50.7 10.7 16.1#



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: 0.04 ng/ul

RT: 13.13 min Scan# 667

Delta R.T. 0.01 min

Lab File: BM002955.D

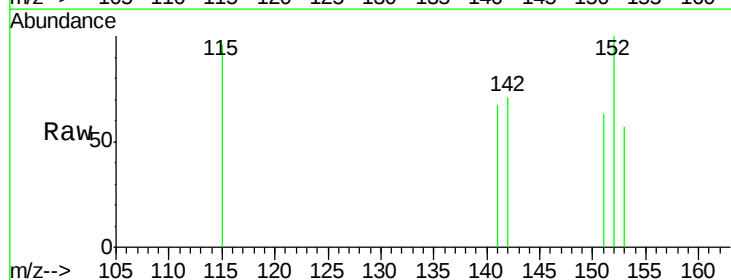
Acq: 21 Oct 2015 19:48

Tgt Ion:142 Resp: 1284

Ion Ratio Lower Upper

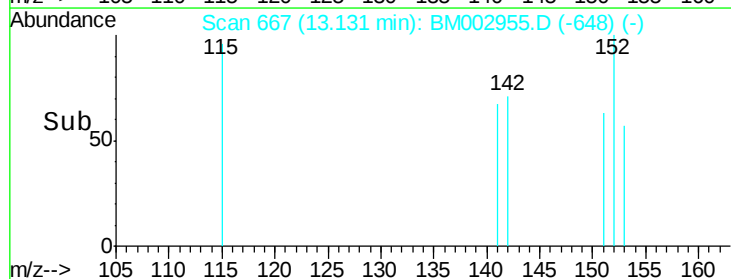
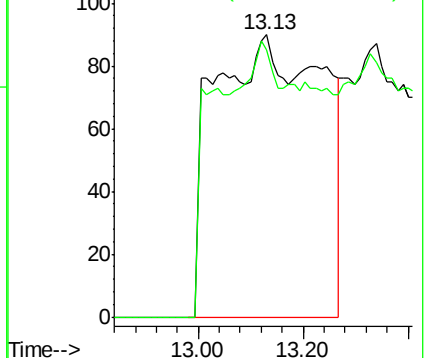
142 100

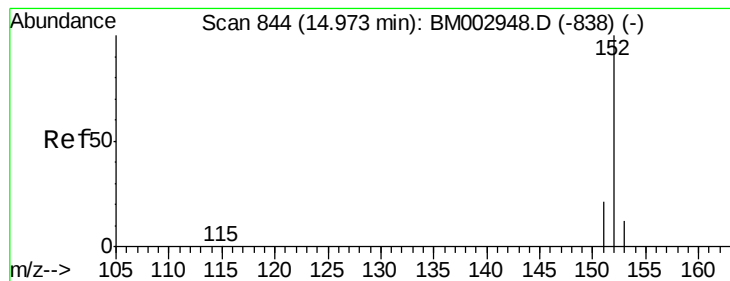
141 91.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.93 min Scan# 840

Delta R.T. -0.04 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

Instrument :

BNA_M

ClientSampleId :

JG9H8MS

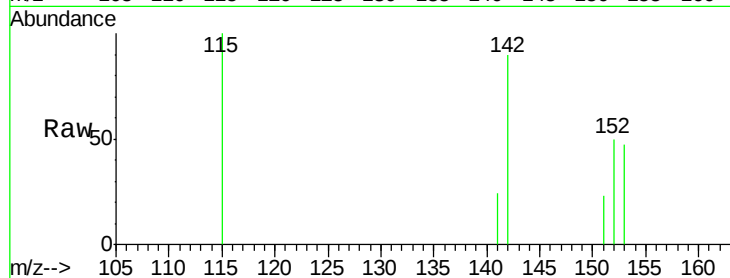
Tgt Ion:152 Resp: 201

Ion Ratio Lower Upper

152 100

151 45.5 16.8 25.2#

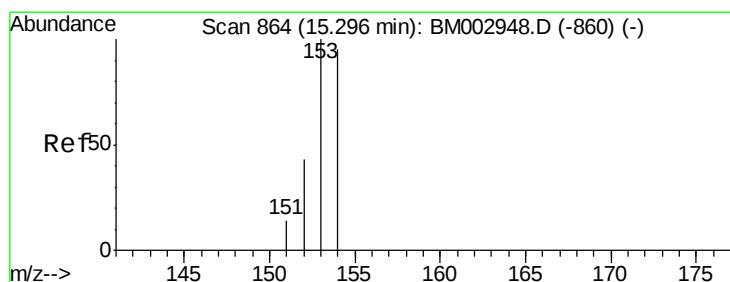
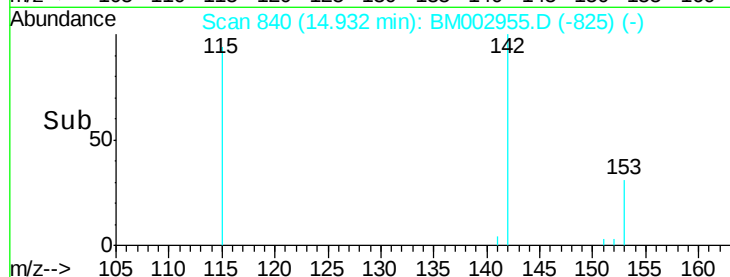
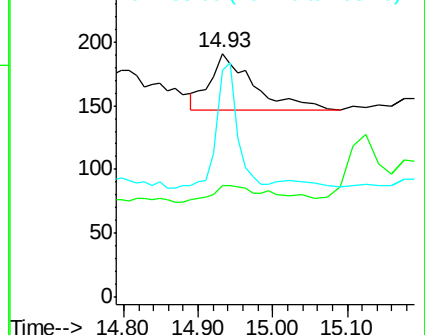
153 93.2 11.3 16.9#



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: 15.30 min Scan# 864

Delta R.T. -0.00 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

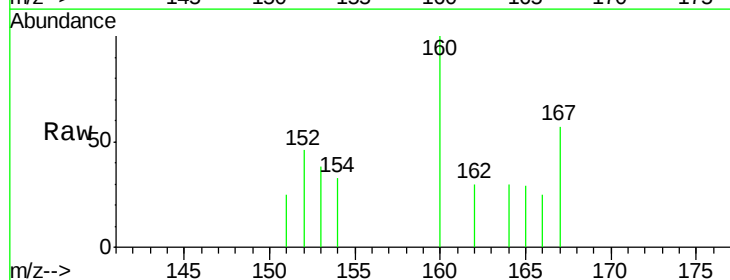
Tgt Ion:153 Resp: 100

Ion Ratio Lower Upper

153 100

152 122.7 42.3 63.5#

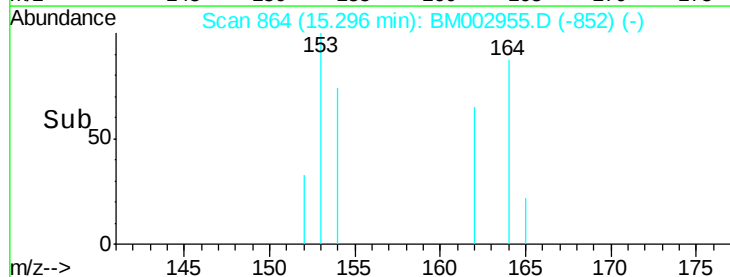
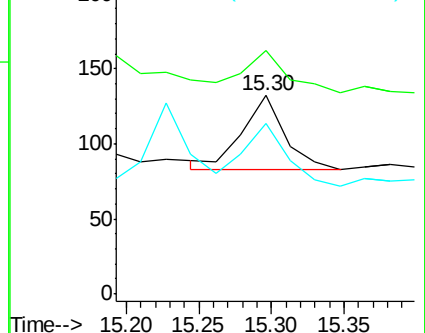
154 86.4 64.7 97.1

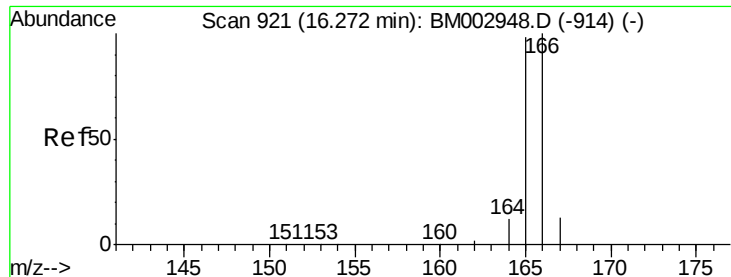


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

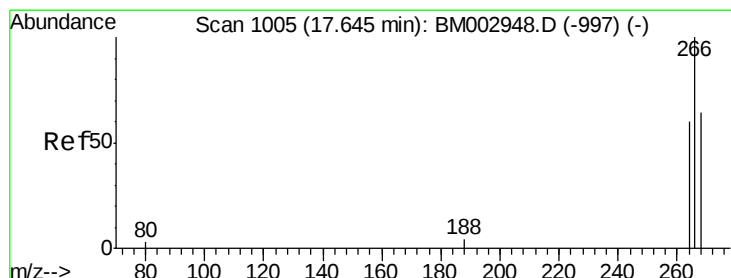
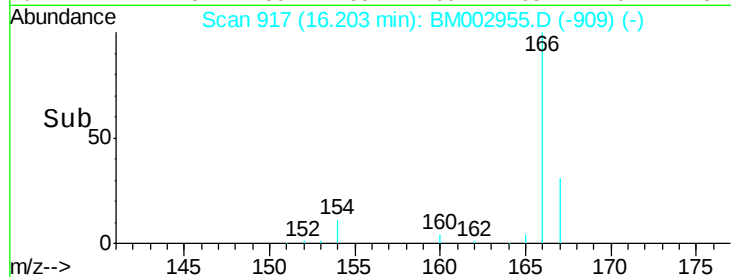
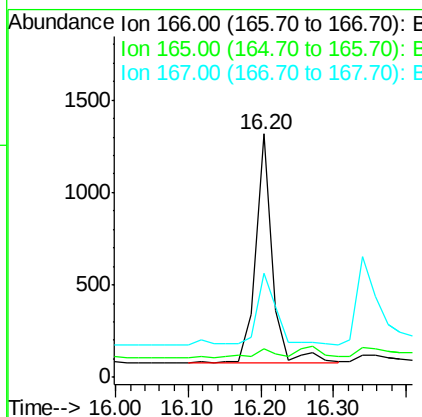
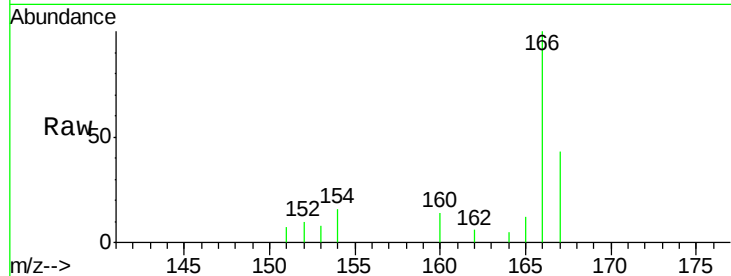




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 16.20 min Scan# 917
 Delta R.T. -0.07 min
 Lab File: BM002955.D
 Acq: 21 Oct 2015 19:48

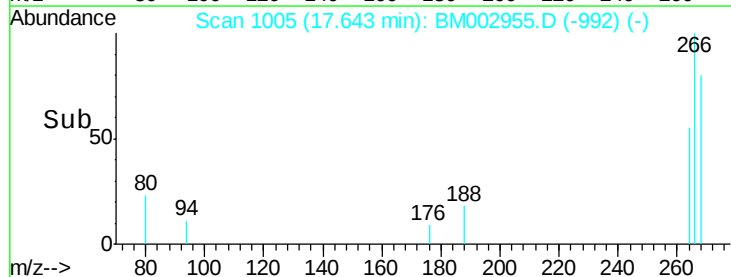
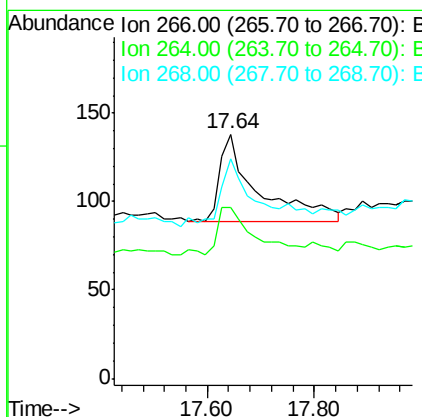
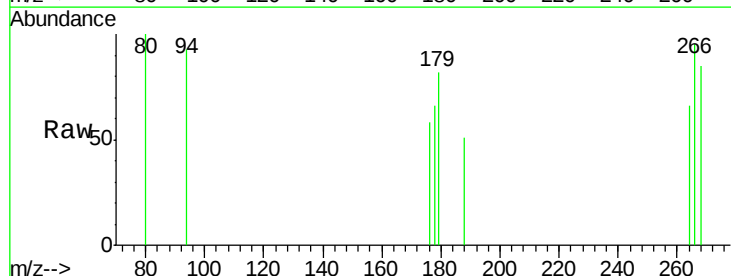
Instrument :
 BNA_M
 ClientSampleId :
 JG9H8MS

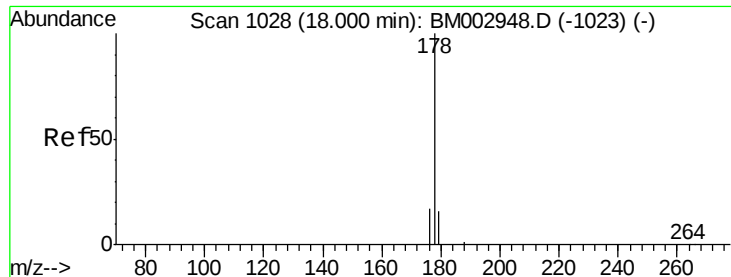
Tgt Ion:166 Resp: 2014
 Ion Ratio Lower Upper
 166 100
 165 11.8 87.6 131.4#
 167 42.8 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 17.64 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BM002955.D
 Acq: 21 Oct 2015 19:48

Tgt Ion:266 Resp: 240
 Ion Ratio Lower Upper
 266 100
 264 55.0 53.5 80.3
 268 92.9 54.2 81.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.03 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

Instrument :

BNA_M

ClientSampleId :

JG9H8MS

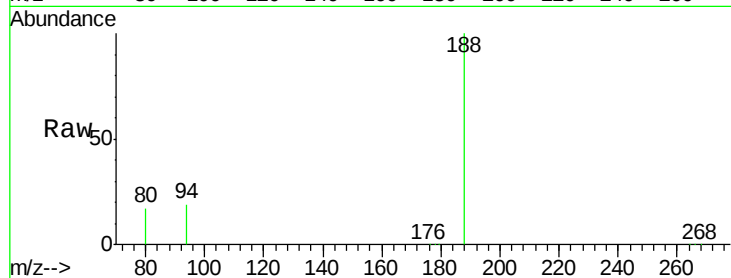
Tgt Ion:178 Resp: 809

Ion Ratio Lower Upper

178 100

176 26.4 16.2 24.4#

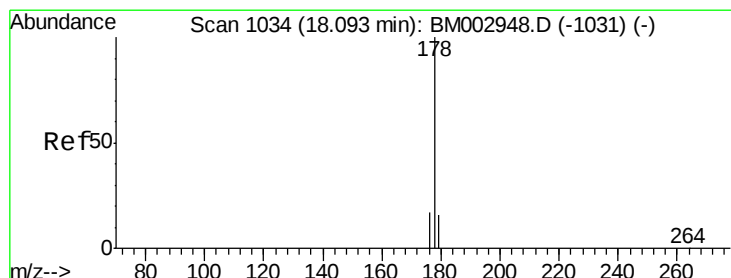
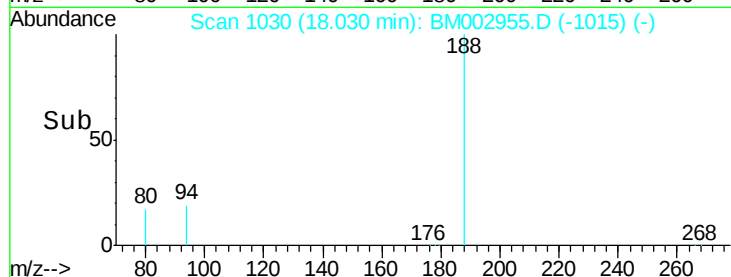
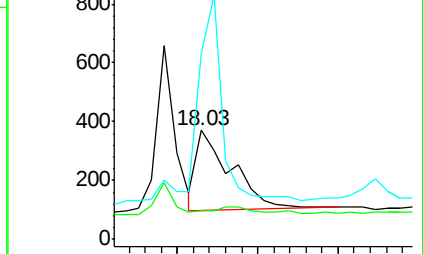
179 170.9 12.8 19.2#



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: 18.03 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

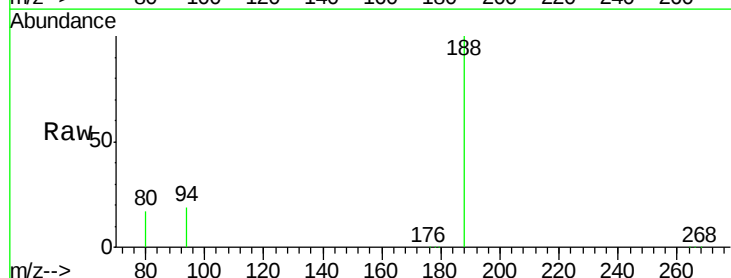
Tgt Ion:178 Resp: 746

Ion Ratio Lower Upper

178 100

176 26.4 15.8 23.8#

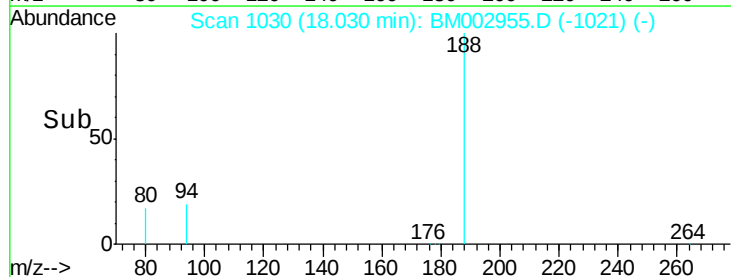
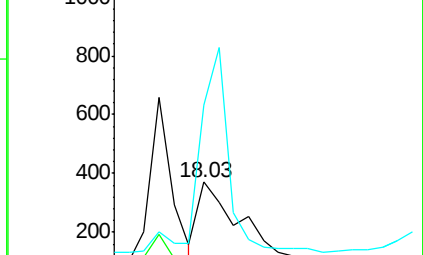
179 170.9 13.3 19.9#

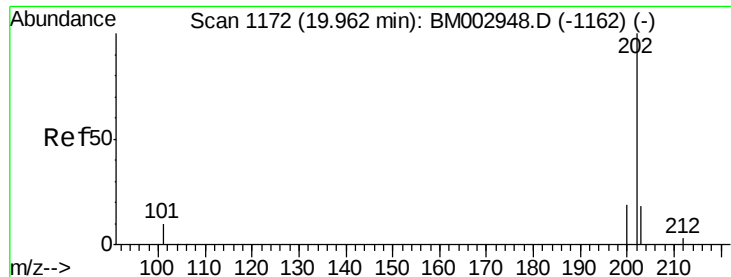


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

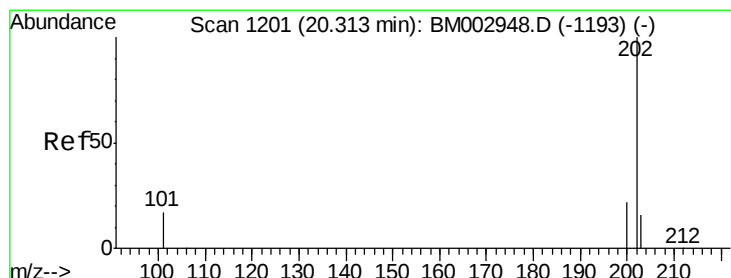
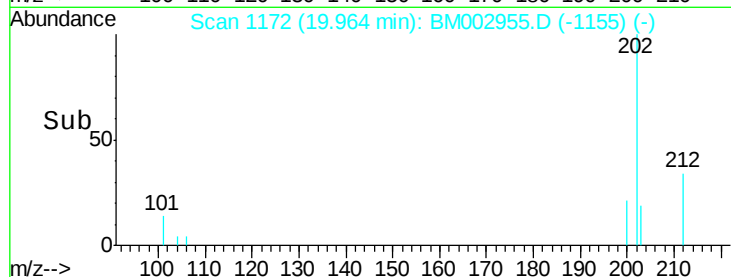
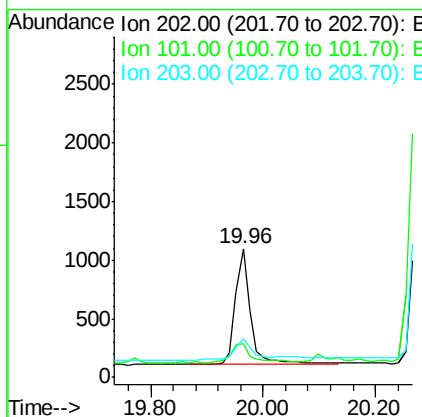
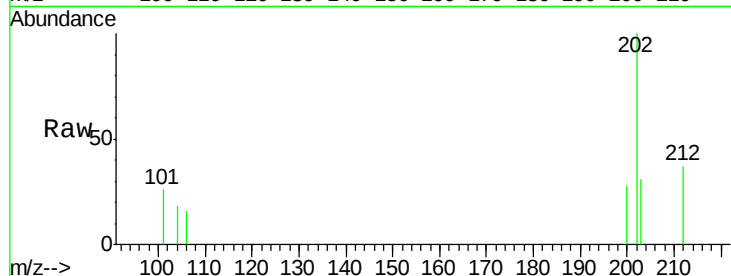




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.96 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: BM002955.D
 Acq: 21 Oct 2015 19:48

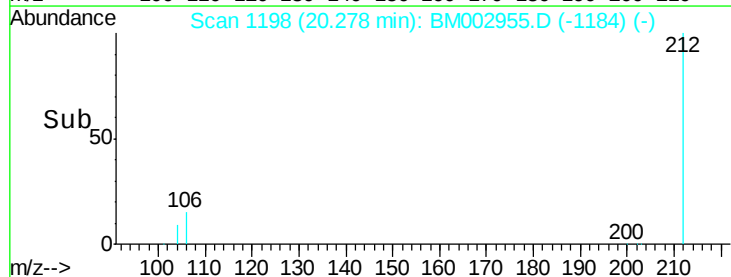
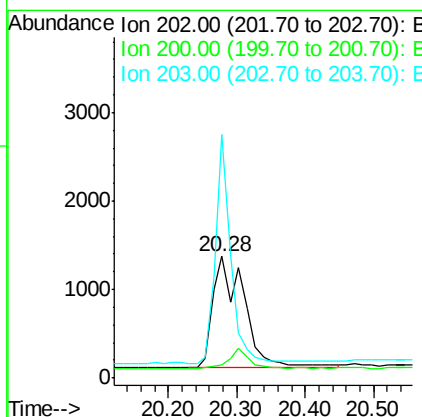
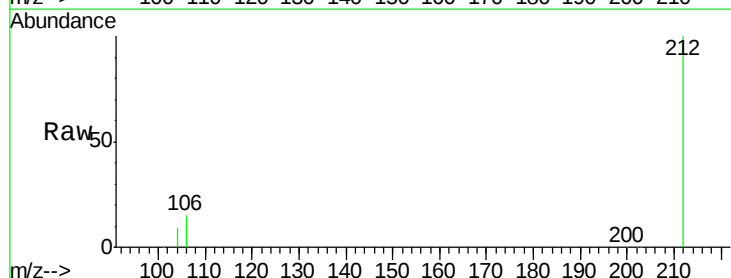
Instrument :
 BNA_M
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 JG9H8MS

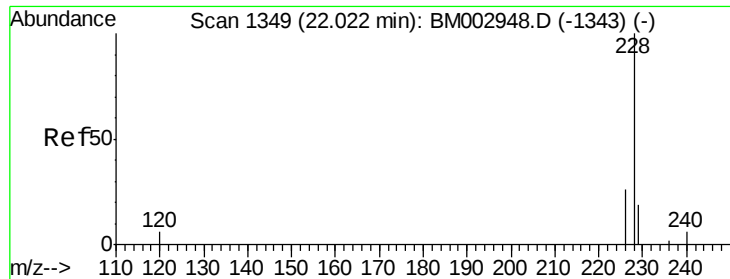
Tgt Ion:202 Resp: 1904
 Ion Ratio Lower Upper
 202 100
 101 25.8 0.0 33.1
 203 30.5 0.0 37.2



#19
Pyrene
 Concen: 0.04 ng/ul
 RT: 20.28 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BM002955.D
 Acq: 21 Oct 2015 19:48

Tgt Ion:202 Resp: 3976
 Ion Ratio Lower Upper
 202 100
 200 10.7 18.0 27.0#
 203 200.5 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 22.02 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

Instrument :

BNA_M

ClientSampleId :

JG9H8MS

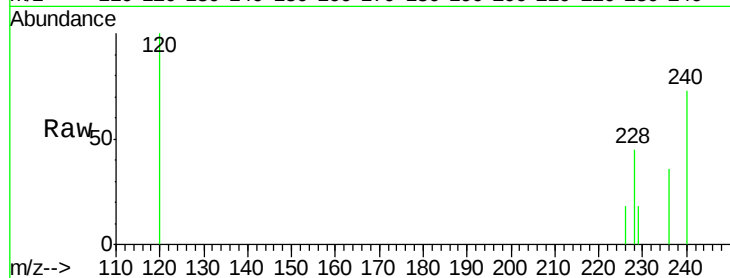
Tgt Ion:228 Resp: 1091

Ion Ratio Lower Upper

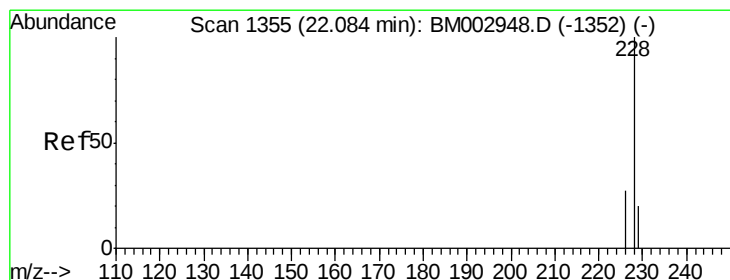
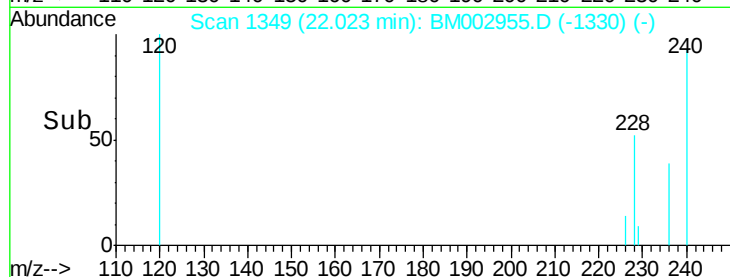
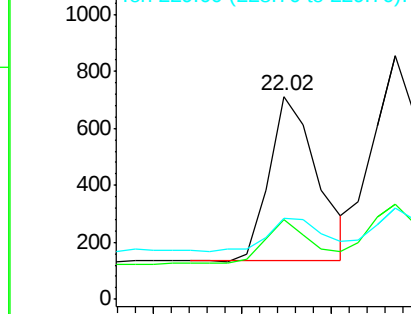
228 100

226 39.6 23.0 34.4#

229 40.1 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: 22.09 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

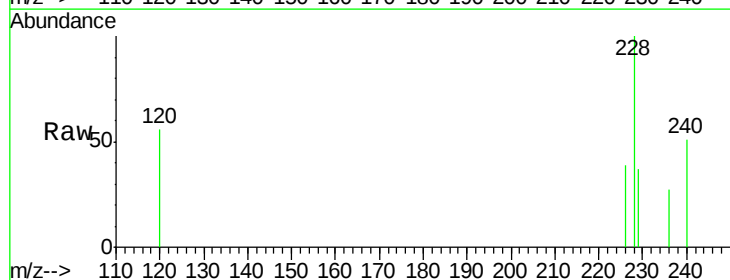
Tgt Ion:228 Resp: 1453

Ion Ratio Lower Upper

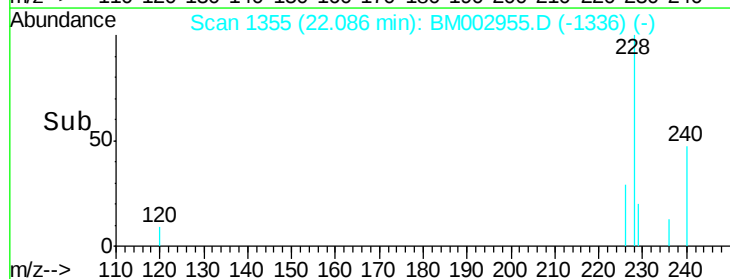
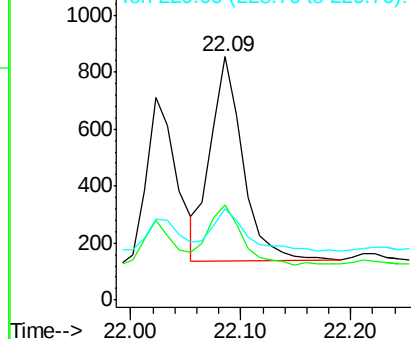
228 100

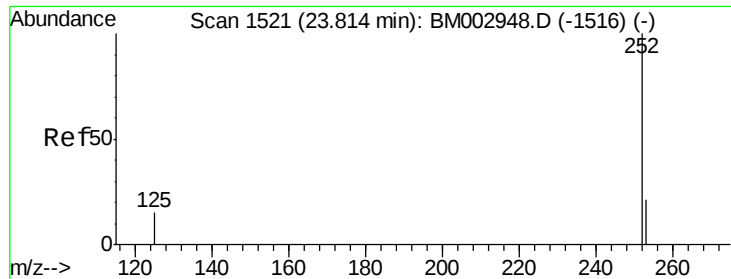
226 38.9 25.7 38.5#

229 37.3 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: 0.01 ng/ul

RT: 23.83 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

Instrument :

BNA_M

ClientSampleId :

JG9H8MS

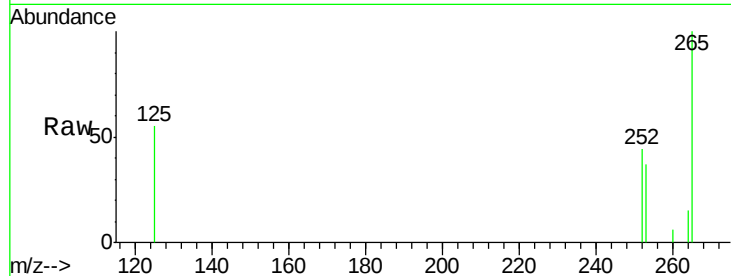
Tgt Ion:252 Resp: 1152

Ion Ratio Lower Upper

252 100

253 83.5 0.0 48.0#

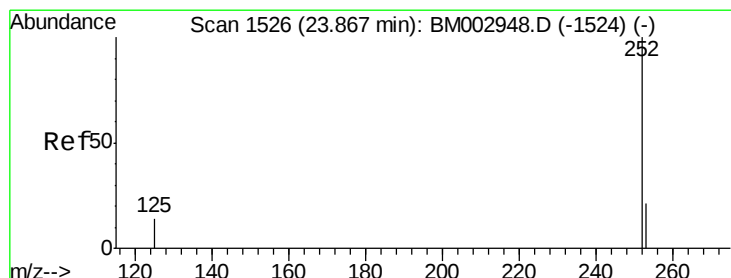
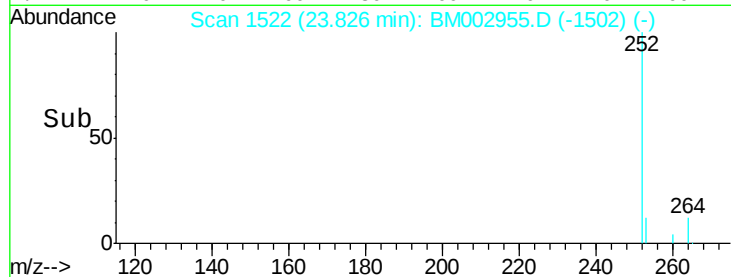
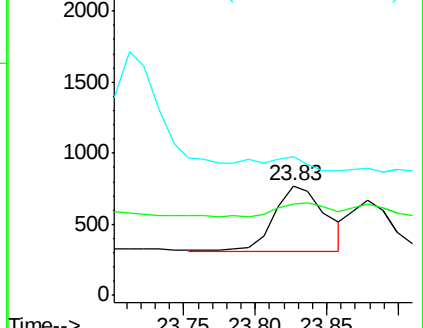
125 126.0 0.0 36.6#



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: 0.01 ng/ul

RT: 23.88 min Scan# 1527

Delta R.T. 0.01 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

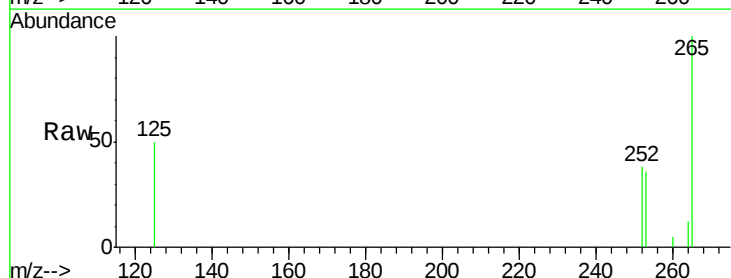
Tgt Ion:252 Resp: 706

Ion Ratio Lower Upper

252 100

253 95.2 20.8 31.2#

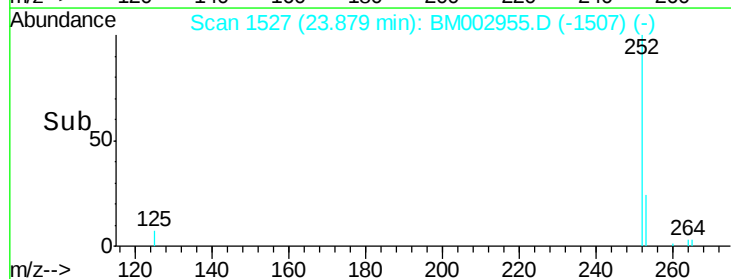
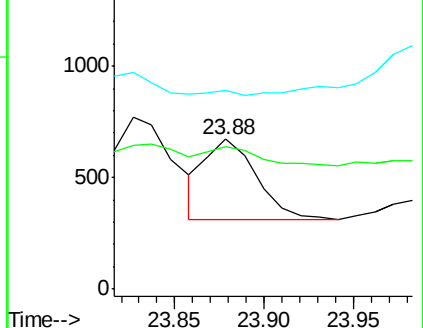
125 132.6 12.2 18.4#

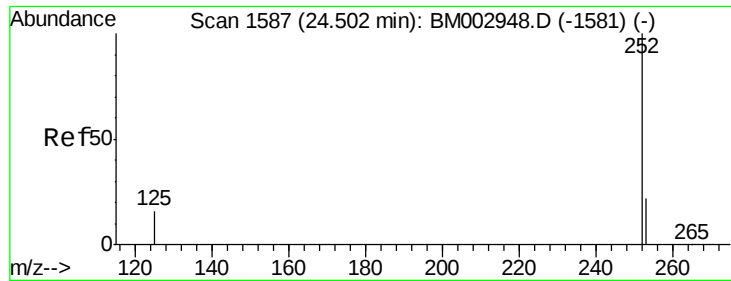


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.06 ng/u1

RT: 24.42 min Scan# 1579

Delta R.T. -0.08 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

Instrument :

BNA_M

ClientSampleId :

JG9H8MS

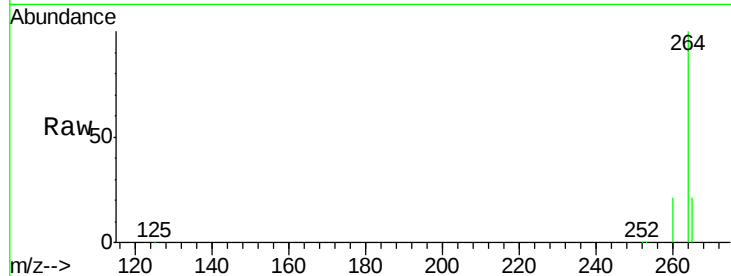
Tgt Ion:252 Resp: 6263

Ion Ratio Lower Upper

252 100

253 44.8 21.8 32.8#

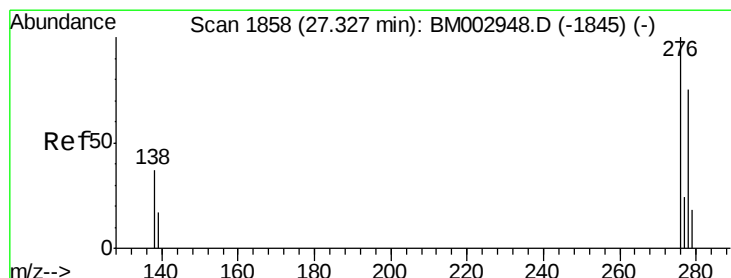
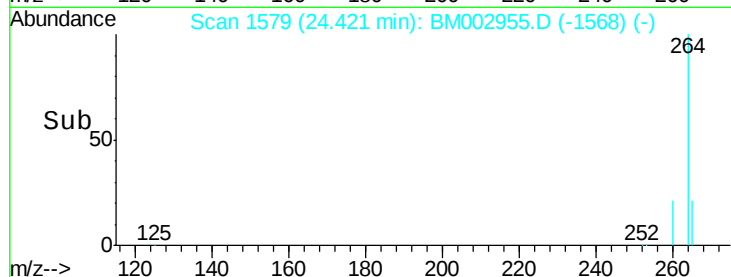
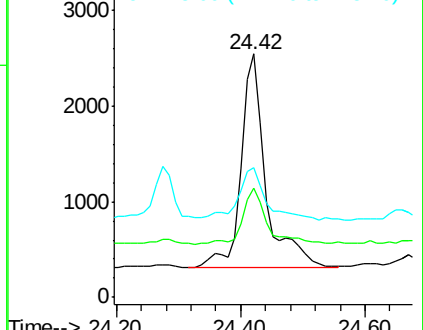
125 53.4 14.5 21.7#



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: 0.01 ng/u1

RT: 27.38 min Scan# 1863

Delta R.T. 0.05 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

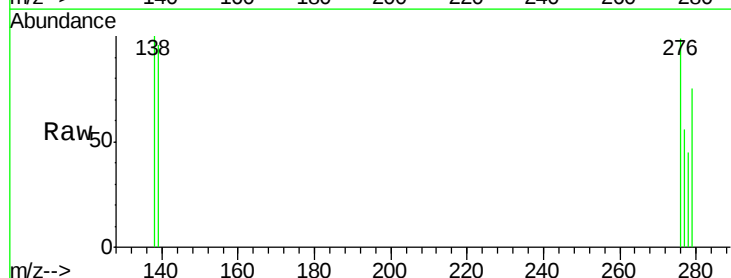
Tgt Ion:276 Resp: 913

Ion Ratio Lower Upper

276 100

138 26.1 27.5 41.3#

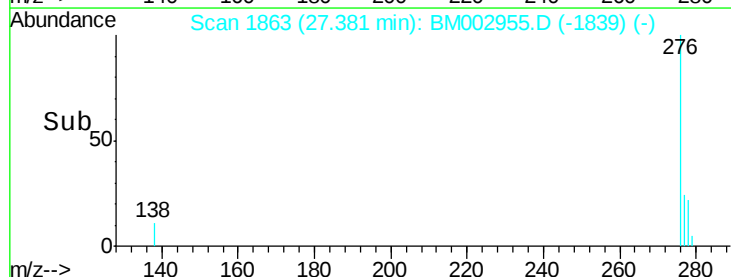
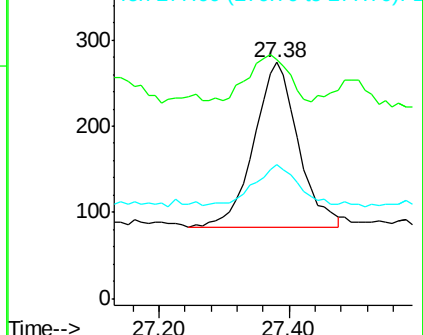
277 24.8 19.3 28.9

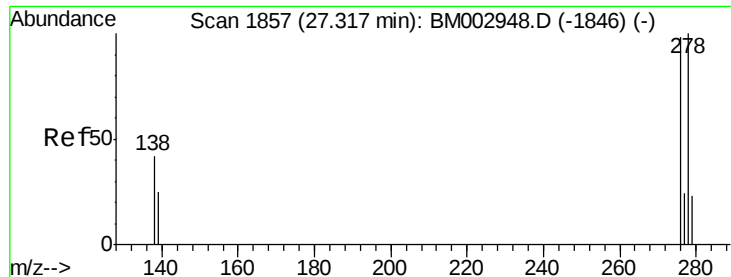


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 27.34 min Scan# 1859

Delta R.T. 0.02 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

Instrument :

BNA_M

ClientSampleId :

JG9H8MS

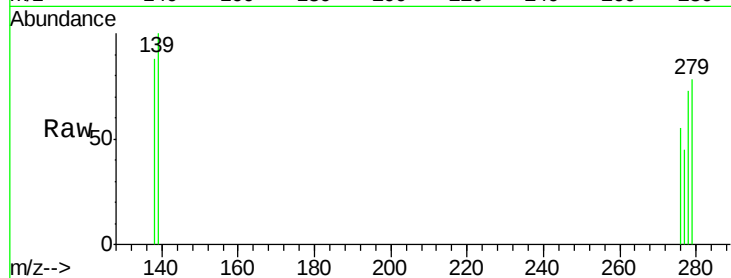
Tgt Ion: 278 Resp: 497

Ion Ratio Lower Upper

278 100

139 136.3 21.7 32.5#

279 106.0 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

27.34

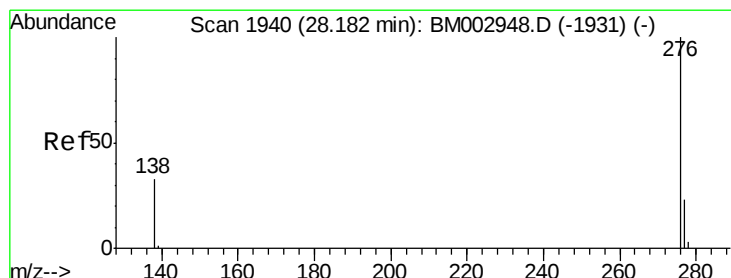
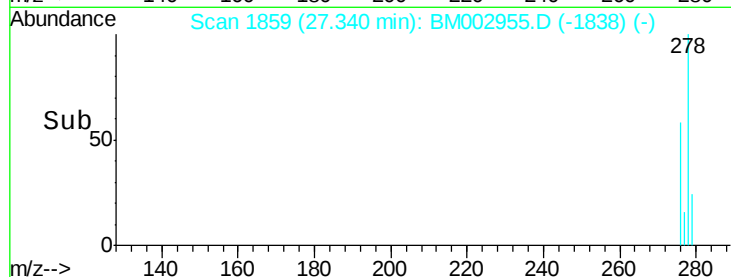
200

100

0

Time-->

27.20 27.30 27.40 27.50



#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 28.24 min Scan# 1945

Delta R.T. 0.05 min

Lab File: BM002955.D

Acq: 21 Oct 2015 19:48

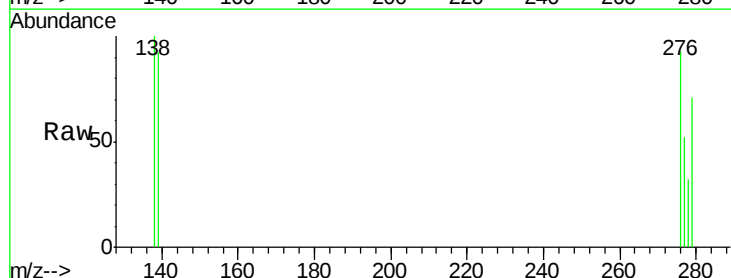
Tgt Ion: 276 Resp: 786

Ion Ratio Lower Upper

276 100

277 56.3 21.3 31.9#

138 108.0 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

28.24

300

200

100

0

Time-->

28.10 28.20 28.30

