

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002748.D
 Acq On : 28 Sep 2015 23:57
 Operator : UM/IZ
 Sample : G3798-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G64

Quant Time: Sep 29 04:41:54 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

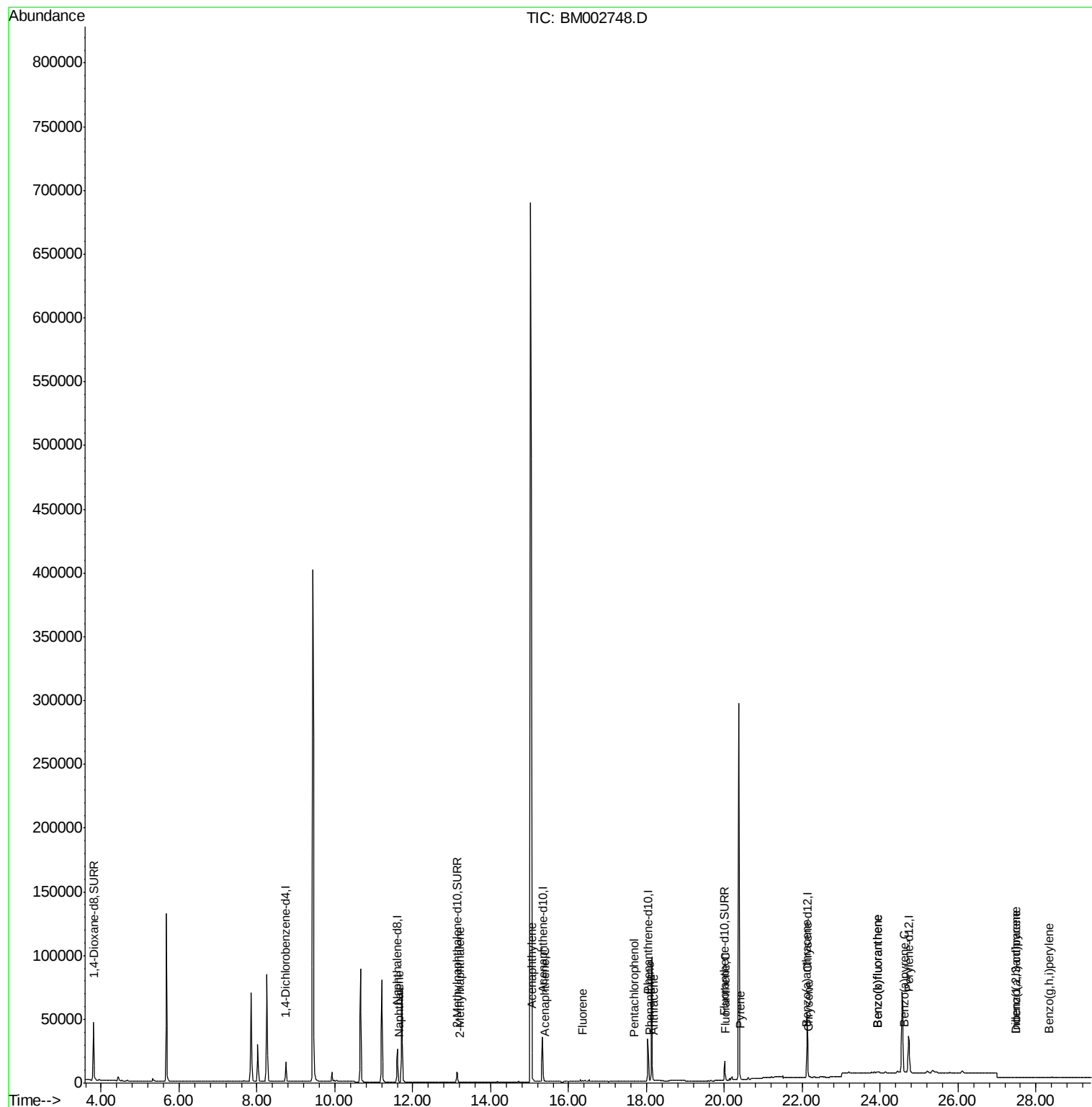
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	9618	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	38331	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	21111	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	46020	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	46711	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	44706	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	42266	4.26	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	11537	0.21	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	18071	0.16	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	300	0.00	ng/ul#	22
7) 2-Methylnaphthalene	13.20	142	275	0.00	ng/ul#	77
9) Acenaphthylene	15.06	152	4277	0.04	ng/ul#	93
10) Acenaphthene	15.38	153	769	0.01	ng/ul#	83
11) Fluorene	16.36	166	1038	0.01	ng/ul#	92
13) Pentachlorophenol	17.69	266	161	0.02	ng/ul	89
14) Phenanthrene	18.08	178	1181	0.01	ng/ul#	49
15) Anthracene	18.17	178	425	0.00	ng/ul#	1
17) Fluoranthene	20.03	202	1748	0.01	ng/ul#	45
19) Pyrene	20.40	202	2074	0.01	ng/ul#	35
20) Benzo(a)anthracene	22.10	228	1145	0.01	ng/ul#	1
21) Chrysene	22.17	228	662	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	23.93	252	1382	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	23.93	252	1277	0.01	ng/ul#	1
25) Benzo(a)pyrene	24.62	252	1053	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.47	276	561	0.00	ng/ul#	61
27) Dibenzo(a,h)anthracene	27.47	278	119	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	28.34	276	540	0.00	ng/ul#	1

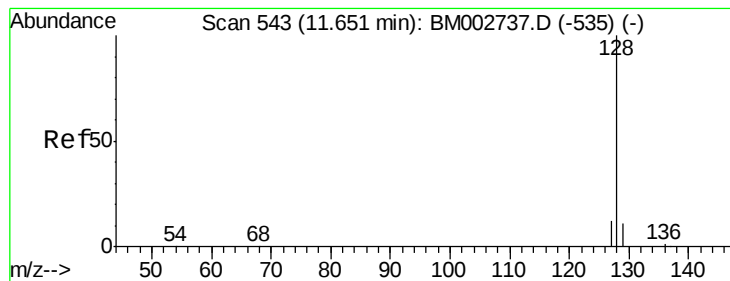
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

Instrument :

BNA_M

ClientSampleId :

D9G64

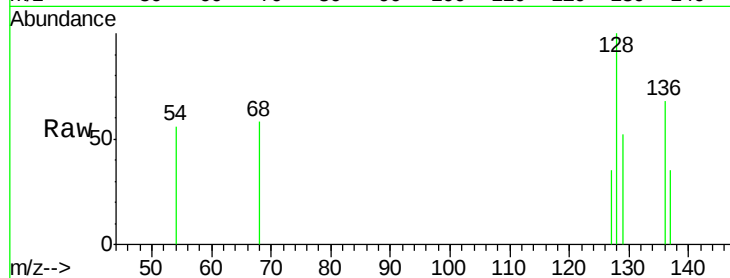
Tot Ion:128 Resp: 300

Ion Ratio Lower Upper

128 100

129 52.2 9.8 14.8#

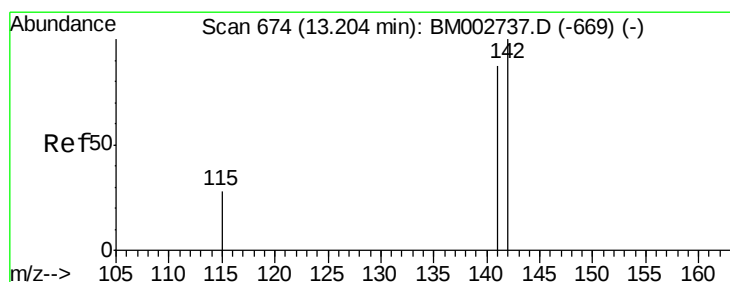
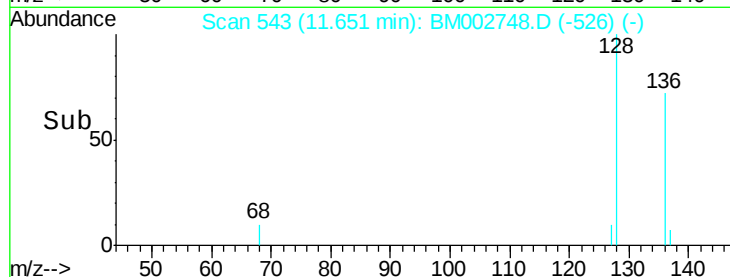
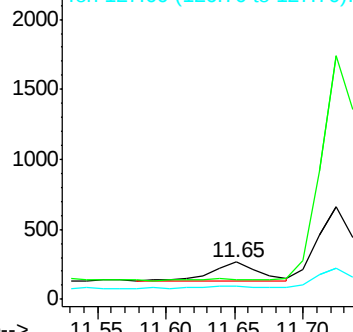
127 35.4 10.7 16.1#



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: 0.00 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002748.D

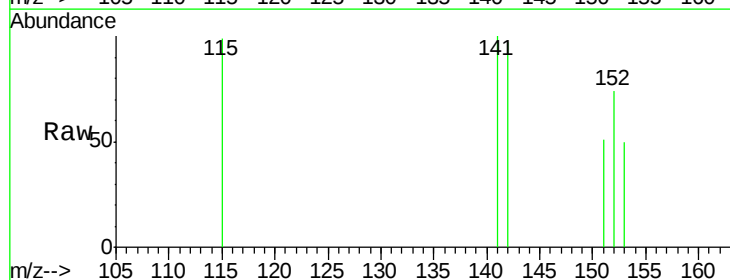
Acq: 28 Sep 2015 23:57

Tgt Ion:142 Resp: 275

Ion Ratio Lower Upper

142 100

141 66.2 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 140.00 (139.70 to 140.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 136.00 (135.70 to 136.70): E

Ion 135.00 (134.70 to 135.70): E

Ion 134.00 (133.70 to 134.70): E

Ion 133.00 (132.70 to 133.70): E

Ion 132.00 (131.70 to 132.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 128.00 (127.70 to 128.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 126.00 (125.70 to 126.70): E

Ion 125.00 (124.70 to 125.70): E

Ion 124.00 (123.70 to 124.70): E

Ion 123.00 (122.70 to 123.70): E

Ion 122.00 (121.70 to 122.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 118.00 (117.70 to 118.70): E

Ion 117.00 (116.70 to 117.70): E

Ion 116.00 (115.70 to 116.70): E

Ion 115.00 (114.70 to 115.70): E

Ion 114.00 (113.70 to 114.70): E

Ion 113.00 (112.70 to 113.70): E

Ion 112.00 (111.70 to 112.70): E

Ion 111.00 (110.70 to 111.70): E

Ion 110.00 (109.70 to 110.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 104.00 (103.70 to 104.70): E

Ion 103.00 (102.70 to 103.70): E

Ion 102.00 (101.70 to 102.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Ion 99.00 (98.70 to 99.70): E

Ion 98.00 (97.70 to 98.70): E

Ion 97.00 (96.70 to 97.70): E

Ion 96.00 (95.70 to 96.70): E

Ion 95.00 (94.70 to 95.70): E

Ion 94.00 (93.70 to 94.70): E

Ion 93.00 (92.70 to 93.70): E

Ion 92.00 (91.70 to 92.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 90.00 (89.70 to 90.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 88.00 (87.70 to 88.70): E

Ion 87.00 (86.70 to 87.70): E

Ion 86.00 (85.70 to 86.70): E

Ion 85.00 (84.70 to 85.70): E

Ion 84.00 (83.70 to 84.70): E

Ion 83.00 (82.70 to 83.70): E

Ion 82.00 (81.70 to 82.70): E

Ion 81.00 (80.70 to 81.70): E

Ion 80.00 (79.70 to 80.70): E

Ion 79.00 (78.70 to 79.70): E

Ion 78.00 (77.70 to 78.70): E

Ion 77.00 (76.70 to 77.70): E

Ion 76.00 (75.70 to 76.70): E

Ion 75.00 (74.70 to 75.70): E

Ion 74.00 (73.70 to 74.70): E

Ion 73.00 (72.70 to 73.70): E

Ion 72.00 (71.70 to 72.70): E

Ion 71.00 (70.70 to 71.70): E

Ion 70.00 (69.70 to 70.70): E

Ion 69.00 (68.70 to 69.70): E

Ion 68.00 (67.70 to 68.70): E

Ion 67.00 (66.70 to 67.70): E

Ion 66.00 (65.70 to 66.70): E

Ion 65.00 (64.70 to 65.70): E

Ion 64.00 (63.70 to 64.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 62.00 (61.70 to 62.70): E

Ion 61.00 (60.70 to 61.70): E

Ion 60.00 (59.70 to 60.70): E

Ion 59.00 (58.70 to 59.70): E

Ion 58.00 (57.70 to 58.70): E

Ion 57.00 (56.70 to 57.70): E

Ion 56.00 (55.70 to 56.70): E

Ion 55.00 (54.70 to 55.70): E

Ion 54.00 (53.70 to 54.70): E

Ion 53.00 (52.70 to 53.70): E

Ion 52.00 (51.70 to 52.70): E

Ion 51.00 (50.70 to 51.70): E

Ion 50.00 (49.70 to 50.70): E

Ion 49.00 (48.70 to 49.70): E

Ion 48.00 (47.70 to 48.70): E

Ion 47.00 (46.70 to 47.70): E

Ion 46.00 (45.70 to 46.70): E

Ion 45.00 (44.70 to 45.70): E

Ion 44.00 (43.70 to 44.70): E

Ion 43.00 (42.70 to 43.70): E

Ion 42.00 (41.70 to 42.70): E

Ion 41.00 (40.70 to 41.70): E

Ion 40.00 (39.70 to 40.70): E

Ion 39.00 (38.70 to 39.70): E

Ion 38.00 (37.70 to 38.70): E

Ion 37.00 (36.70 to 37.70): E

Ion 36.00 (35.70 to 36.70): E

Ion 35.00 (34.70 to 35.70): E

Ion 34.00 (33.70 to 34.70): E

Ion 33.00 (32.70 to 33.70): E

Ion 32.00 (31.70 to 32.70): E

Ion 31.00 (30.70 to 31.70): E

Ion 30.00 (29.70 to 30.70): E

Ion 29.00 (28.70 to 29.70): E

Ion 28.00 (27.70 to 28.70): E

Ion 27.00 (26.70 to 27.70): E

Ion 26.00 (25.70 to 26.70): E

Ion 25.00 (24.70 to 25.70): E

Ion 24.00 (23.70 to 24.70): E

Ion 23.00 (22.70 to 23.70): E

Ion 22.00 (21.70 to 22.70): E

Ion 21.00 (20.70 to 21.70): E

Ion 20.00 (19.70 to 20.70): E

Ion 19.00 (18.70 to 19.70): E

Ion 18.00 (17.70 to 18.70): E

Ion 17.00 (16.70 to 17.70): E

Ion 16.00 (15.70 to 16.70): E

Ion 15.00 (14.70 to 15.70): E

Ion 14.00 (13.70 to 14.70): E

Ion 13.00 (12.70 to 13.70): E

Ion 12.00 (11.70 to 12.70): E

Ion 11.00 (10.70 to 11.70): E

Ion 10.00 (9.70 to 10.70): E

Ion 9.00 (8.70 to 9.70): E

Ion 8.00 (7.70 to 8.70): E

Ion 7.00 (6.70 to 7.70): E

Ion 6.00 (5.70 to 6.70): E

Ion 5.00 (4.70 to 5.70): E

Ion 4.00 (3.70 to 4.70): E

Ion 3.00 (2.70 to 3.70): E

Ion 2.00 (1.70 to 2.70): E

Ion 1.00 (0.70 to 1.70): E

Ion 0.00 (0.00 to 0.70): E

Ion 0.00 (-0.70 to 0.00): E

Ion 0.00 (-1.00 to -0.70): E

Ion 0.00 (-1.30 to -1.00): E

Ion 0.00 (-1.60 to -1.30): E

Ion 0.00 (-1.90 to -1.60): E

Ion 0.00 (-2.20 to -1.90): E

Ion 0.00 (-2.50 to -2.20): E

Ion 0.00 (-2.80 to -2.50): E

Ion 0.00 (-3.10 to -2.80): E

Ion 0.00 (-3.40 to -3.10): E

Ion 0.00 (-3.70 to -3.40): E

Ion 0.00 (-4.00 to -3.70): E

Ion 0.00 (-4.30 to -4.00): E

Ion 0.00 (-4.60 to -4.30): E

Ion 0.00 (-4.90 to -4.60): E

Ion 0.00 (-5.20 to -4.90): E

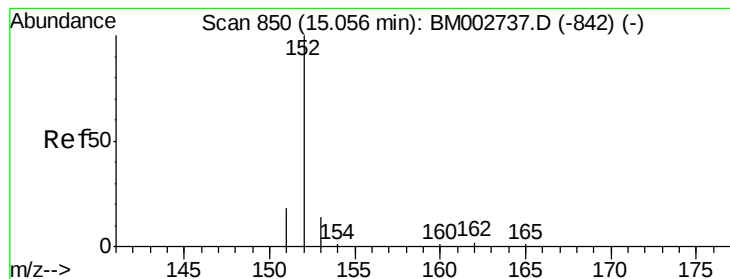
Ion 0.00 (-5.50 to -5.20): E

Ion 0.00 (-5.80 to -5.50): E

Ion 0.00 (-6.10 to -5.80): E

Ion 0.00 (-6.40 to -6.10): E

Ion 0.



#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

Instrument :

BNA_M

ClientSampleId :

D9G64

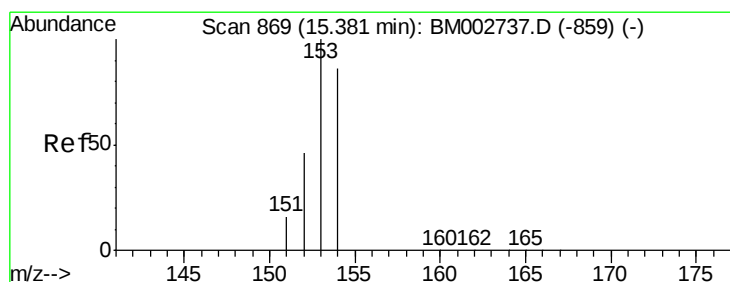
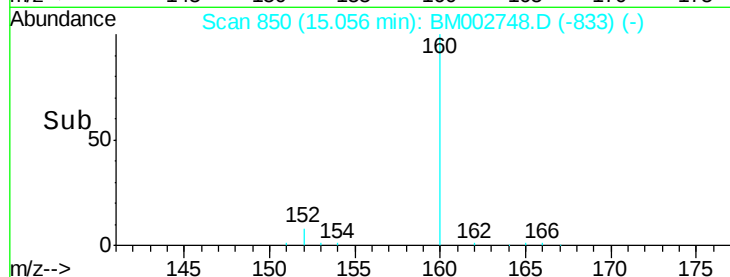
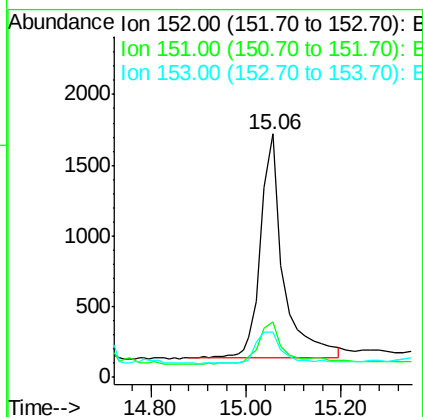
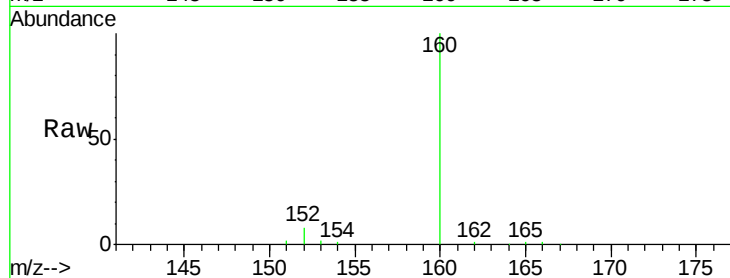
Tot Ion:152 Resp: 4277

Ion Ratio Lower Upper

152 100

151 22.9 16.8 25.2

153 18.6 11.3 16.9#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

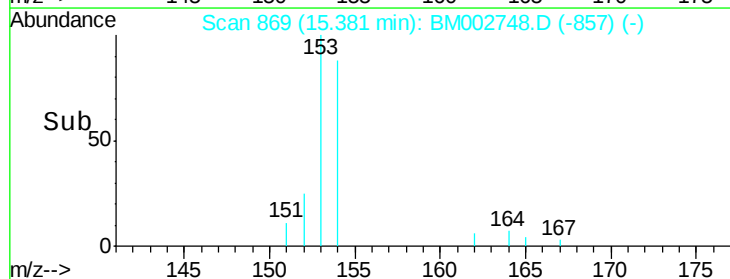
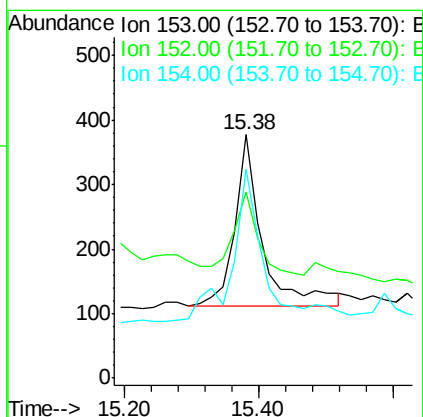
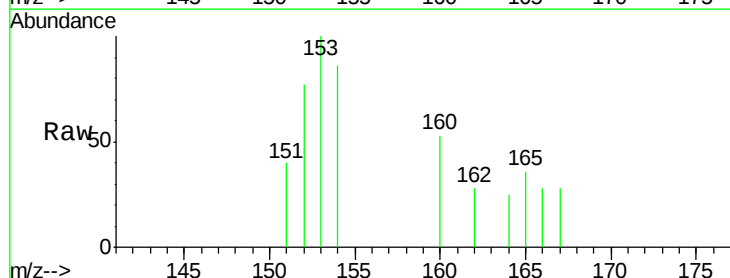
Tgt Ion:153 Resp: 769

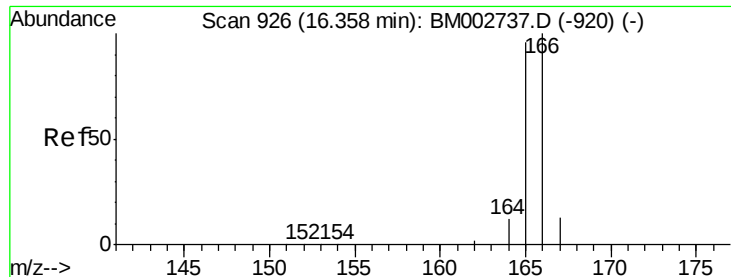
Ion Ratio Lower Upper

153 100

152 76.7 42.3 63.5#

154 85.9 64.7 97.1

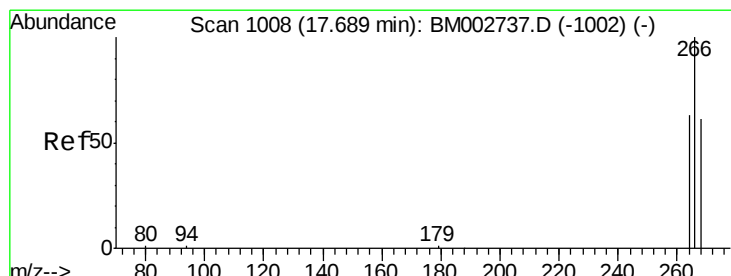
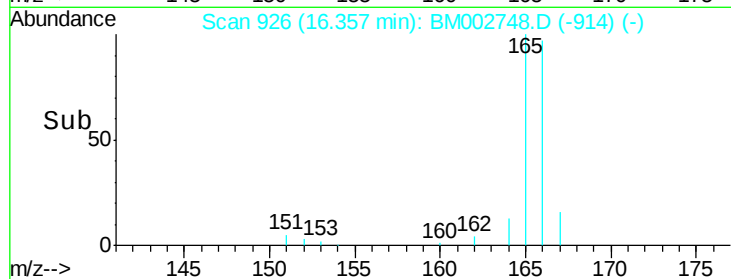
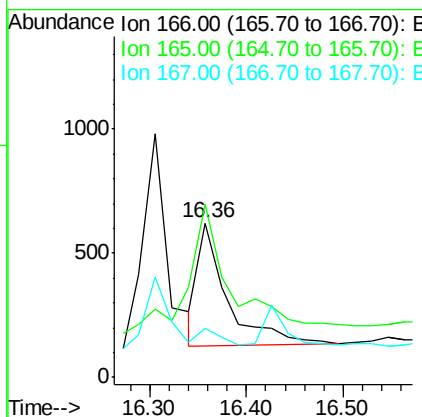
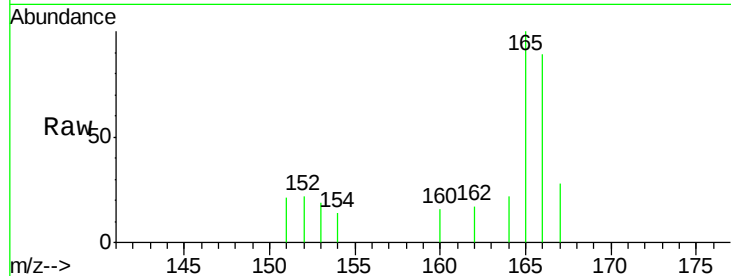




#11
Fluorene
 Concen: 0.01 ng/ul
 RT: 16.36 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM002748.D
 Acq: 28 Sep 2015 23:57

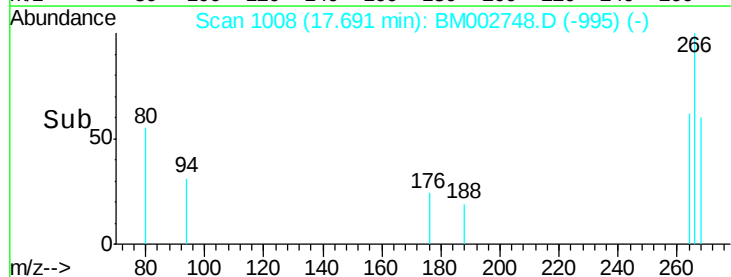
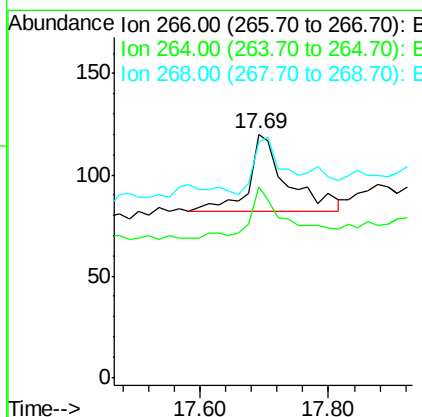
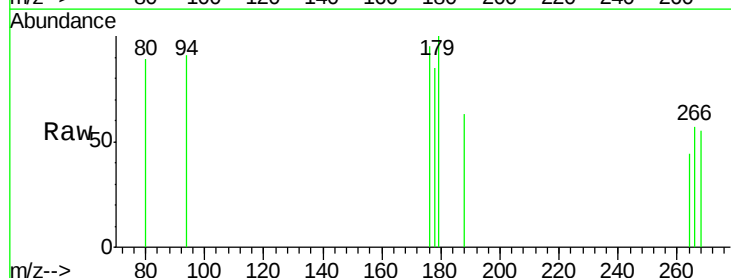
Instrument :
 BNA_M
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 D9G64

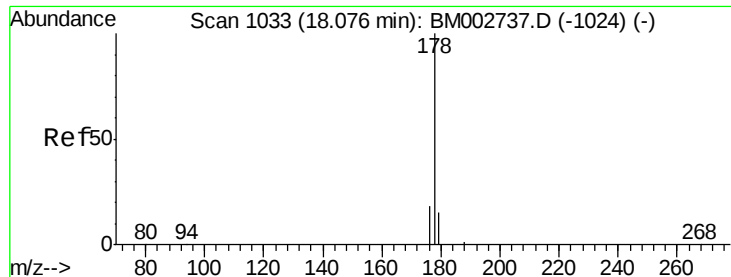
Tot Ion:166 Resp: 1038
 Ion Ratio Lower Upper
 166 100
 165 112.6 87.6 131.4
 167 31.9 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BM002748.D
 Acq: 28 Sep 2015 23:57

Tgt Ion:266 Resp: 161
 Ion Ratio Lower Upper
 266 100
 264 60.2 53.5 80.3
 268 79.5 54.2 81.2





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

Instrument :

BNA_M

ClientSampleId :

D9G64

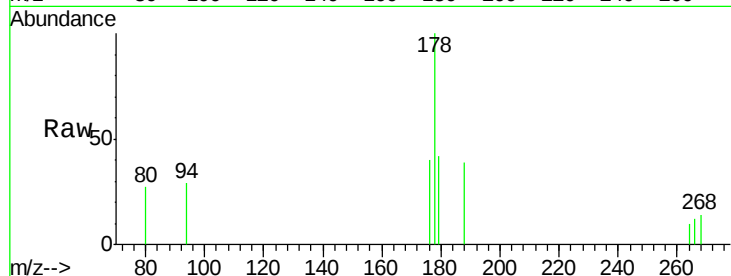
Tot Ion:178 Resp: 1181

Ion Ratio Lower Upper

178 100

176 40.4 16.2 24.4#

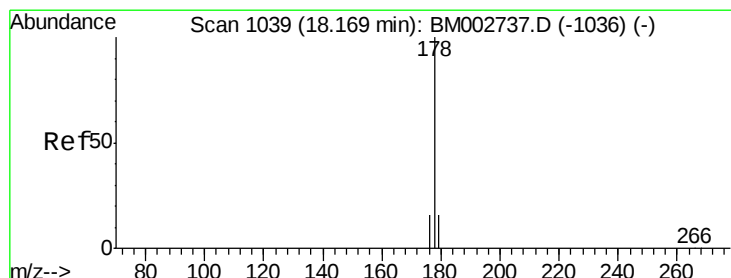
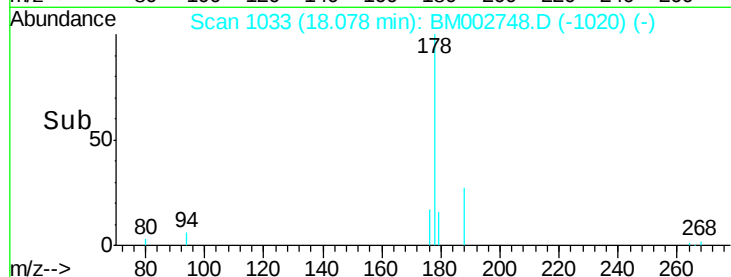
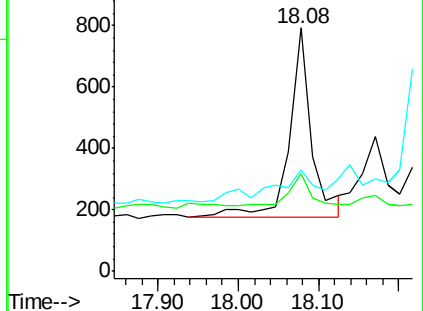
179 41.9 12.8 19.2#



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: 18.17 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

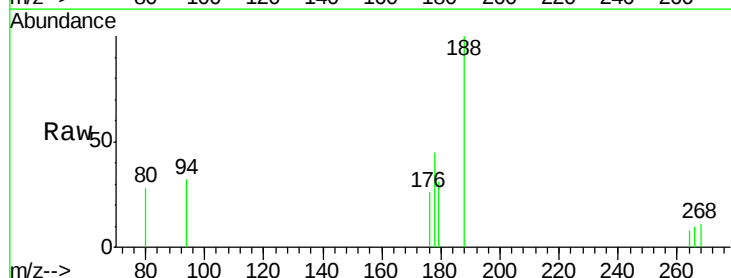
Tgt Ion:178 Resp: 425

Ion Ratio Lower Upper

178 100

176 56.5 15.8 23.8#

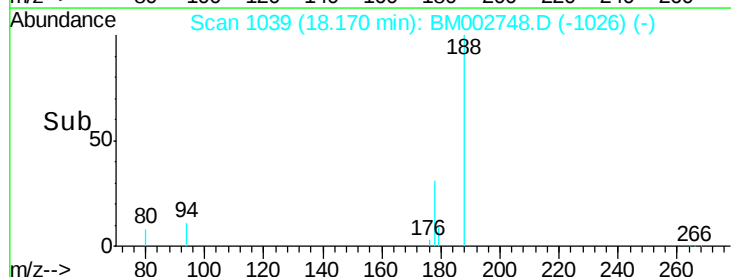
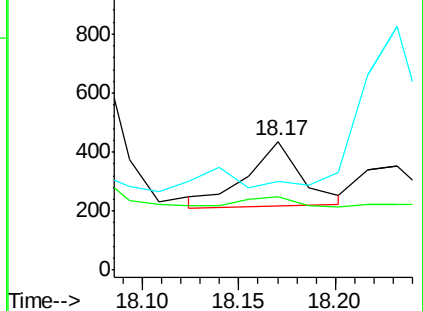
179 69.1 13.3 19.9#

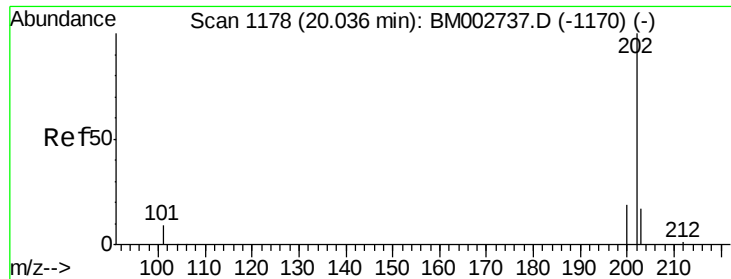


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

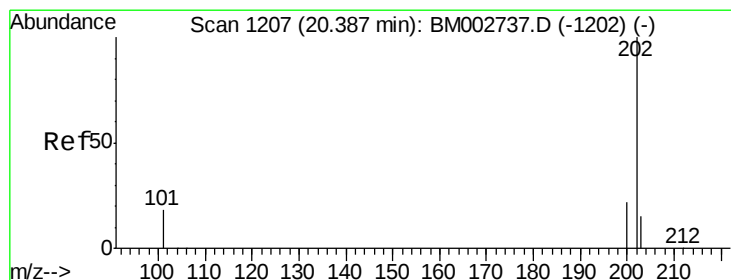
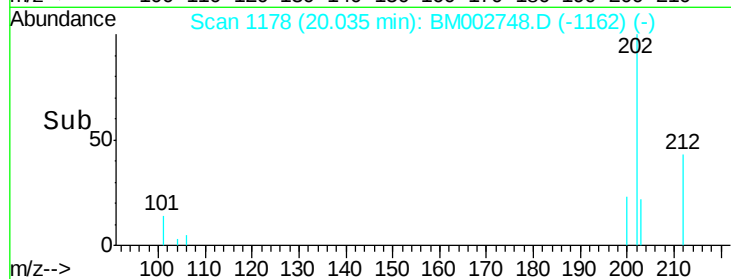
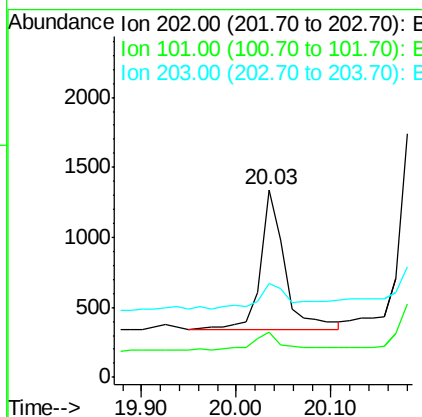
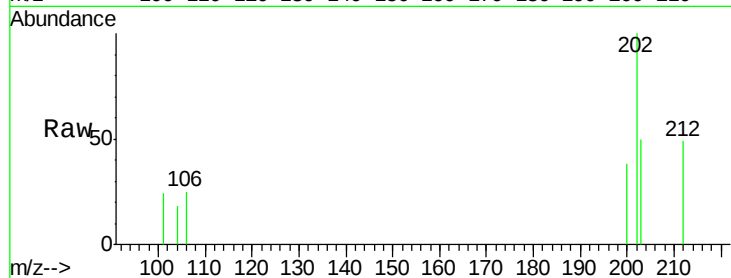




#17
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 20.03 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM002748.D
 Acq: 28 Sep 2015 23:57

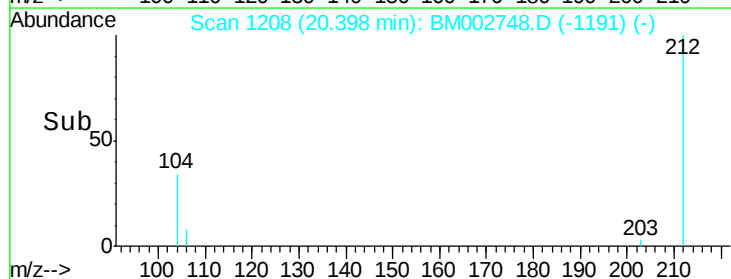
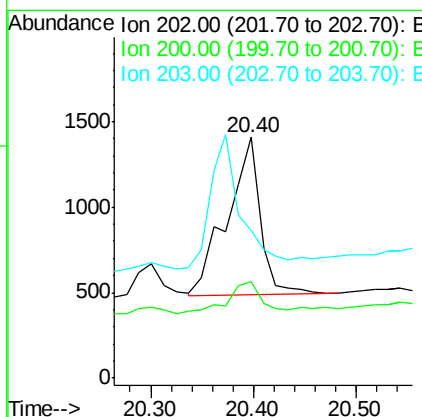
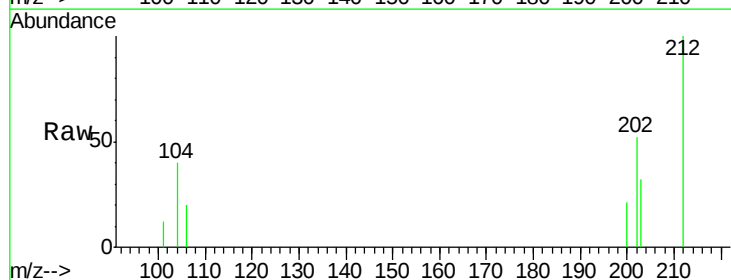
Instrument :
 BNA_M
 ClientSampleId :
 D9G64

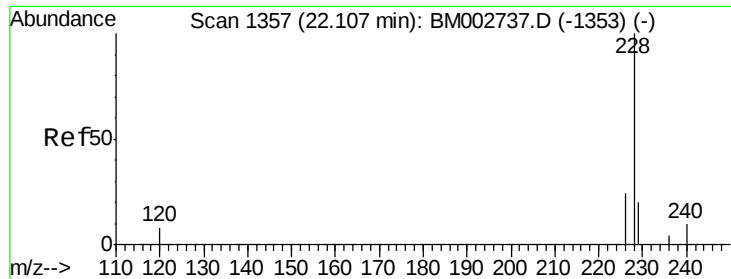
Tot Ion:202 Resp: 1748
 Ion Ratio Lower Upper
 202 100
 101 24.3 0.0 33.1
 203 50.1 0.0 37.2#



#19
Pyrene
 Concen: 0.01 ng/ul
 RT: 20.40 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BM002748.D
 Acq: 28 Sep 2015 23:57

Tgt Ion:202 Resp: 2074
 Ion Ratio Lower Upper
 202 100
 200 40.1 18.0 27.0#
 203 61.3 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

Instrument :

BNA_M

ClientSampled :

D9G64

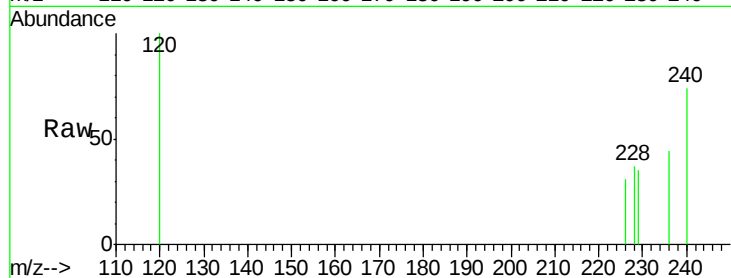
Tot Ion:228 Resp: 1145

Ion Ratio Lower Upper

228 100

226 84.1 23.0 34.4#

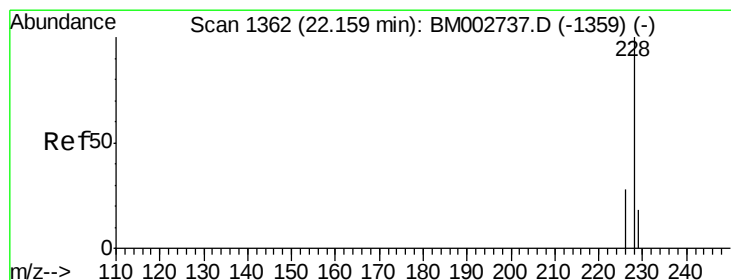
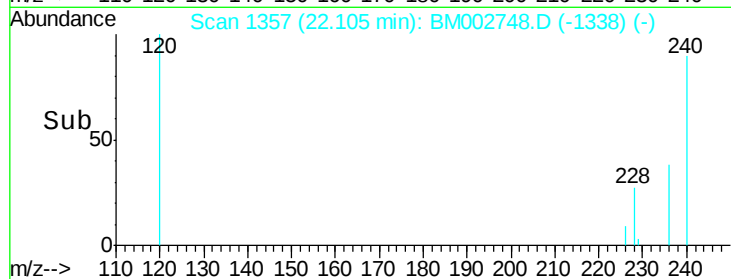
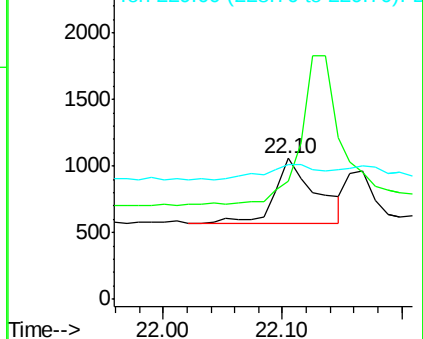
229 95.4 15.2 22.8#



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: 0.00 ng/ul

RT: 22.17 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

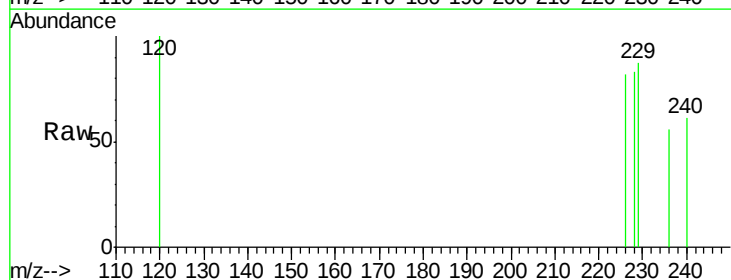
Tgt Ion:228 Resp: 662

Ion Ratio Lower Upper

228 100

226 99.2 25.7 38.5#

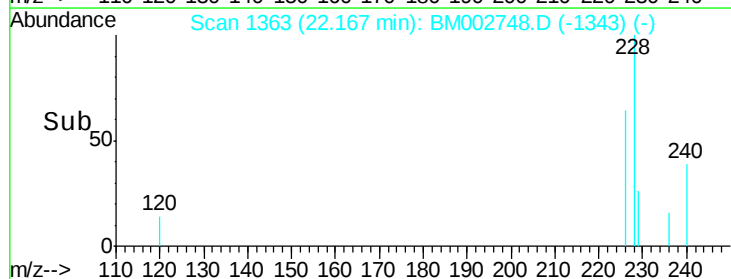
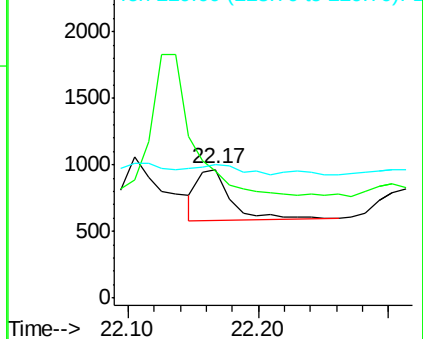
229 104.3 15.2 22.8#

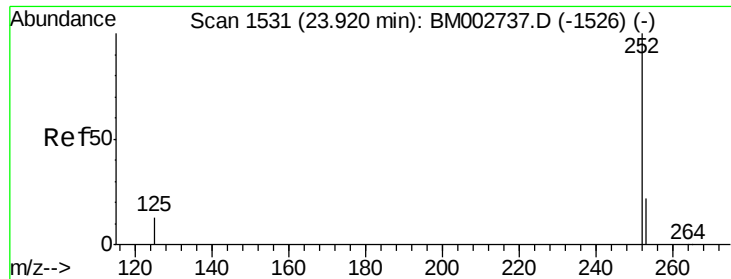


Abundance Ion 228.00 (227.70 to 228.70): E

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: 23.93 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

Instrument :

BNA_M

ClientSampleId :

D9G64

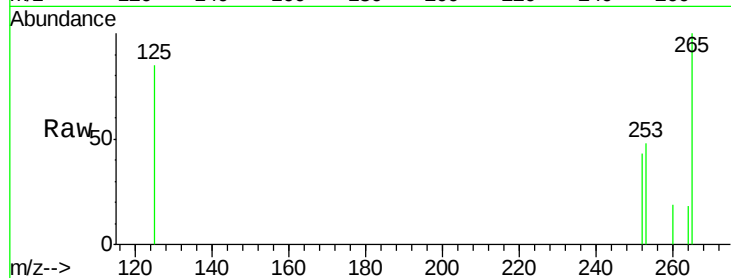
Tot Ion:252 Resp: 1382

Ion Ratio Lower Upper

252 100

253 111.2 0.0 48.0#

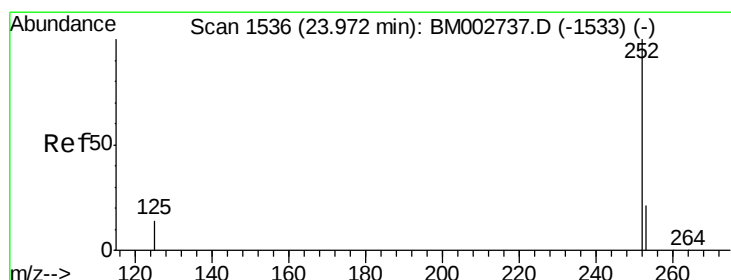
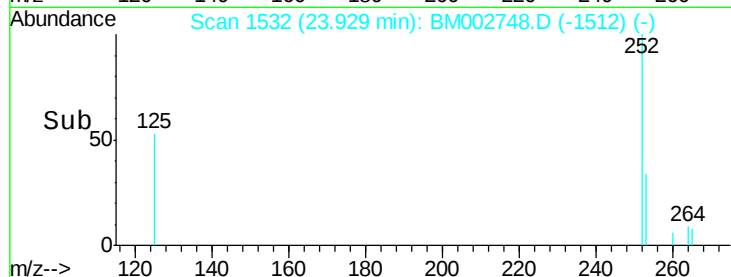
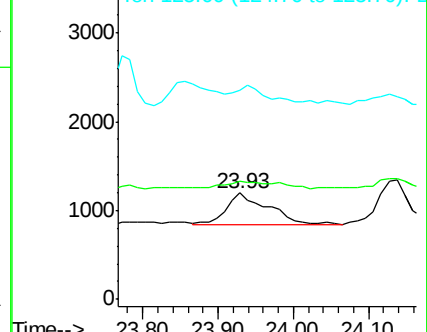
125 196.6 0.0 36.6#



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: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

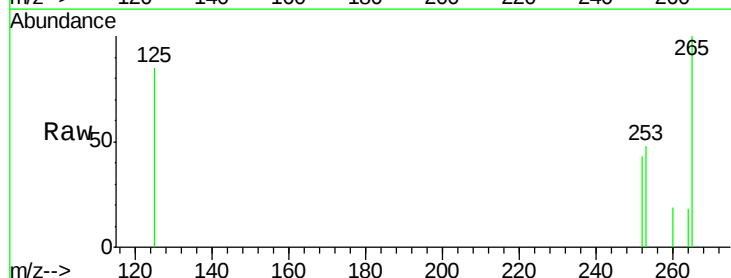
Tgt Ion:252 Resp: 1277

Ion Ratio Lower Upper

252 100

253 111.2 20.8 31.2#

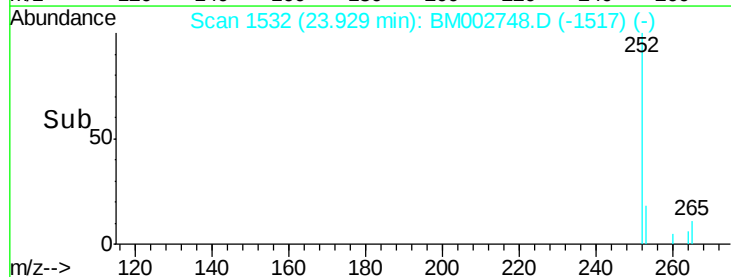
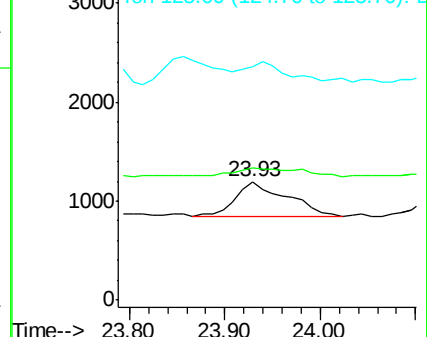
125 196.6 12.2 18.4#

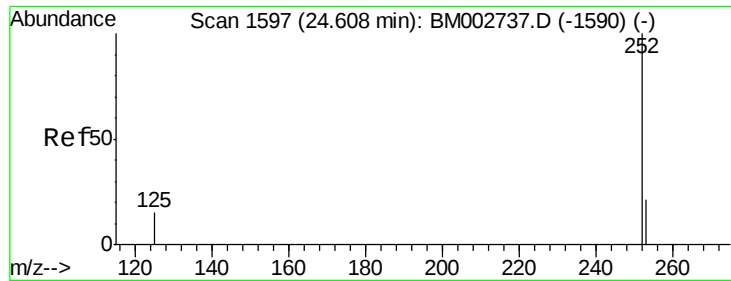


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 24.62 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

Instrument :

BNA_M

ClientSampleId :

D9G64

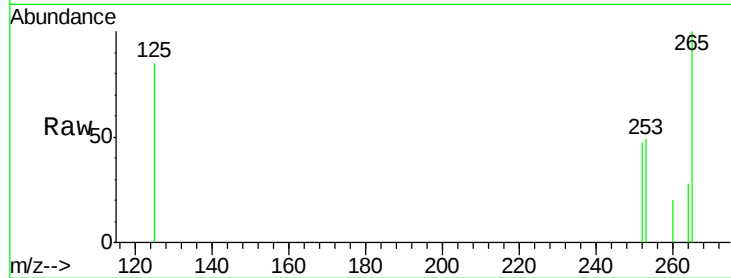
Tot Ion:252 Resp: 1053

Ion Ratio Lower Upper

252 100

253 104.4 21.8 32.8#

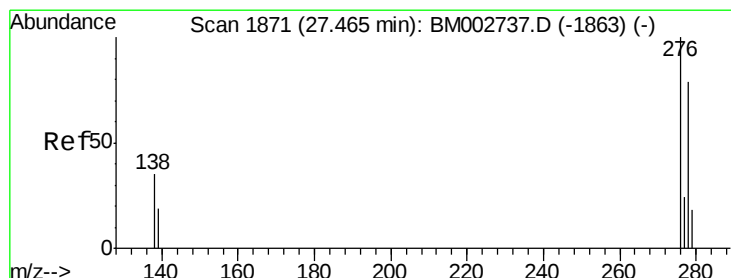
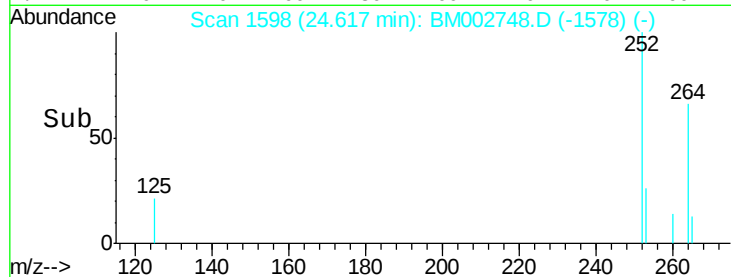
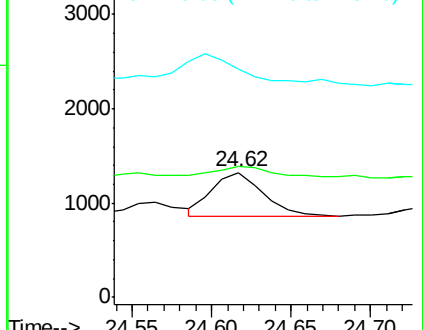
125 182.7 14.5 21.7#



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: 0.00 ng/ul

RT: 27.47 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BM002748.D

Acq: 28 Sep 2015 23:57

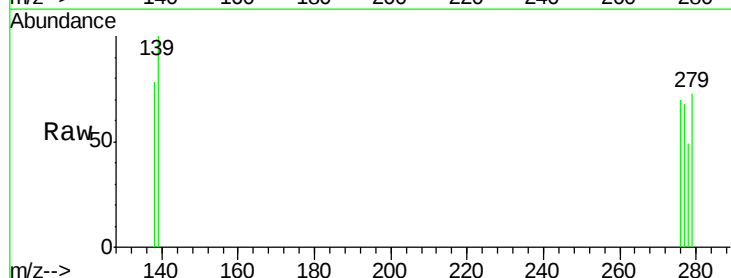
Tgt Ion:276 Resp: 561

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

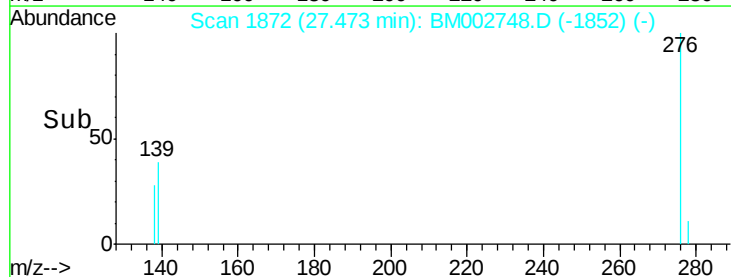
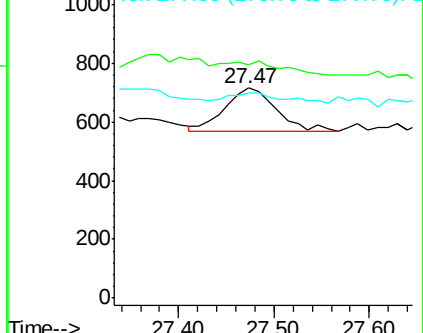
277 29.2 19.3 28.9#

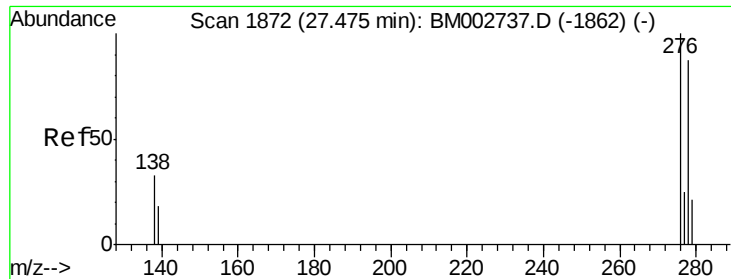


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

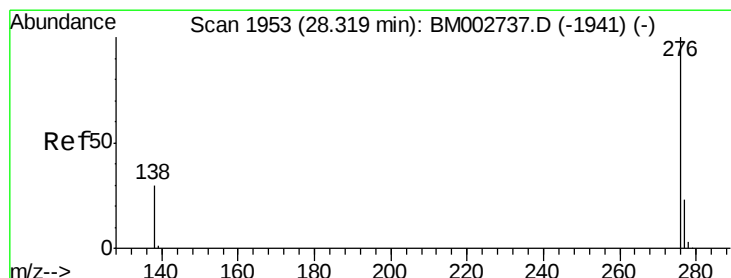
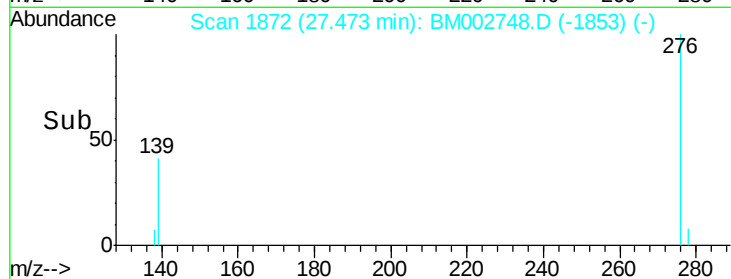
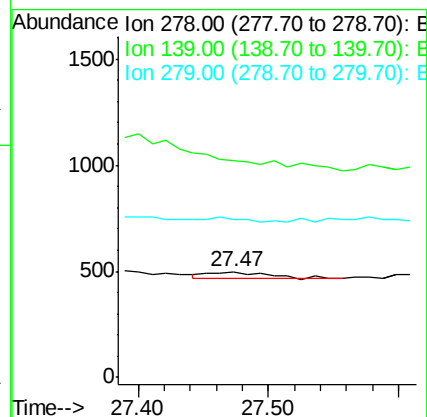
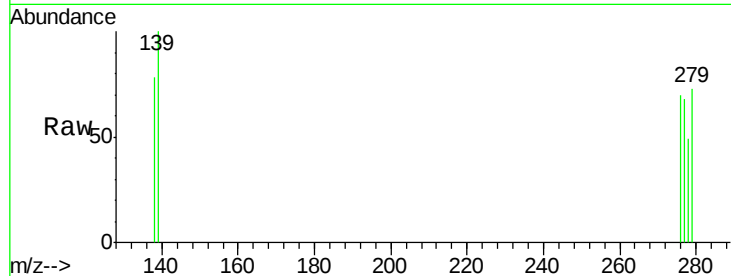




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 27.47 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BM002748.D
Acq: 28 Sep 2015 23:57

Instrument :
BNA_M
ClientSampleId :
D9G64

Tot Ion:278 Resp: 119
Ion Ratio Lower Upper
278 100
139 204.8 21.7 32.5#
279 150.0 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 28.34 min Scan# 1955
Delta R.T. 0.02 min
Lab File: BM002748.D
Acq: 28 Sep 2015 23:57

Tgt Ion:276 Resp: 540
Ion Ratio Lower Upper
276 100
277 101.3 21.3 31.9#
138 111.8 25.5 38.3#

