

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
 Data File : BM002242.D
 Acq On : 05 Aug 2015 20:58
 Operator : TP/UM
 Sample : G3095-13RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 06 01:48:04 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 01:44:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	36270	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	166349	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	108623	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	250319	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	297326	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	237552	20.00	ng/ul	0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.95	96	1257	1.97	ng/uL	0.00
5) Phenol-d5	6.73	99	27176	10.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	16132	11.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	27814	12.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	22973	10.27	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	14557	12.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	13791	9.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	19206	7.06	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	26835	8.91	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	101076	12.79	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	125700	12.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	5625	5.49	ng/ul	0.04
58) Fluorene-d10	15.20	176	90087	12.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.05	188	143454	12.88	ng/ul	0.00
79) Pyrene-d10	19.36	212	166469	11.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	144193	12.50	ng/ul	0.01

Target Compounds				Ovalue		
28) Naphthalene	10.36	128	26728	3.40	ng/ul	99
34) 2-Methylnaphthalene	11.99	142	7817	1.29	ng/ul	94
45) Dimethylphthalate	13.65	163	30709	3.90	ng/ul	98
48) Acenaphthylene	13.92	152	53640	5.27	ng/ul	96
50) Acenaphthene	14.26	153	42801	6.43	ng/ul	99
54) Dibenzofuran	14.60	168	26207	2.72	ng/ul	98
59) Fluorene	15.25	166	46251	5.83	ng/ul	96
70) Phenanthrene	17.00	178	884216	68.79	ng/ul	99
72) Anthracene	17.09	178	239919	18.26	ng/ul	99
75) Carbazole	17.37	167	59345	5.42	ng/ul	98
77) Fluoranthene	19.03	202	2556445	181.74	ng/ul	98
80) Pyrene	19.40	202	2303130	126.03	ng/ul	98
83) Benzo(a)anthracene	21.15	228	1332495	80.00	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.06	149	15922	1.70	ng/ul#	95
85) Chrysene	21.20	228	1193785	77.84	ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	1353150	101.10	ng/ul	98
89) Benzo(k)fluoranthene	22.70	252	517673	39.94	ng/ul	98
91) Benzo(a)pyrene	23.26	252	985901	77.12	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.55	276	579297	40.22	ng/ul	96
93) Dibenzo(a,h)anthracene	25.54	278	153074	12.46	ng/ul#	92
94) Benzo(a,h,i)perylene	26.23	276	519008	43.26	ng/ul	99

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Time: Aug 06 01:48:04 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 01:44:45 2015
Response via : Initial Calibration

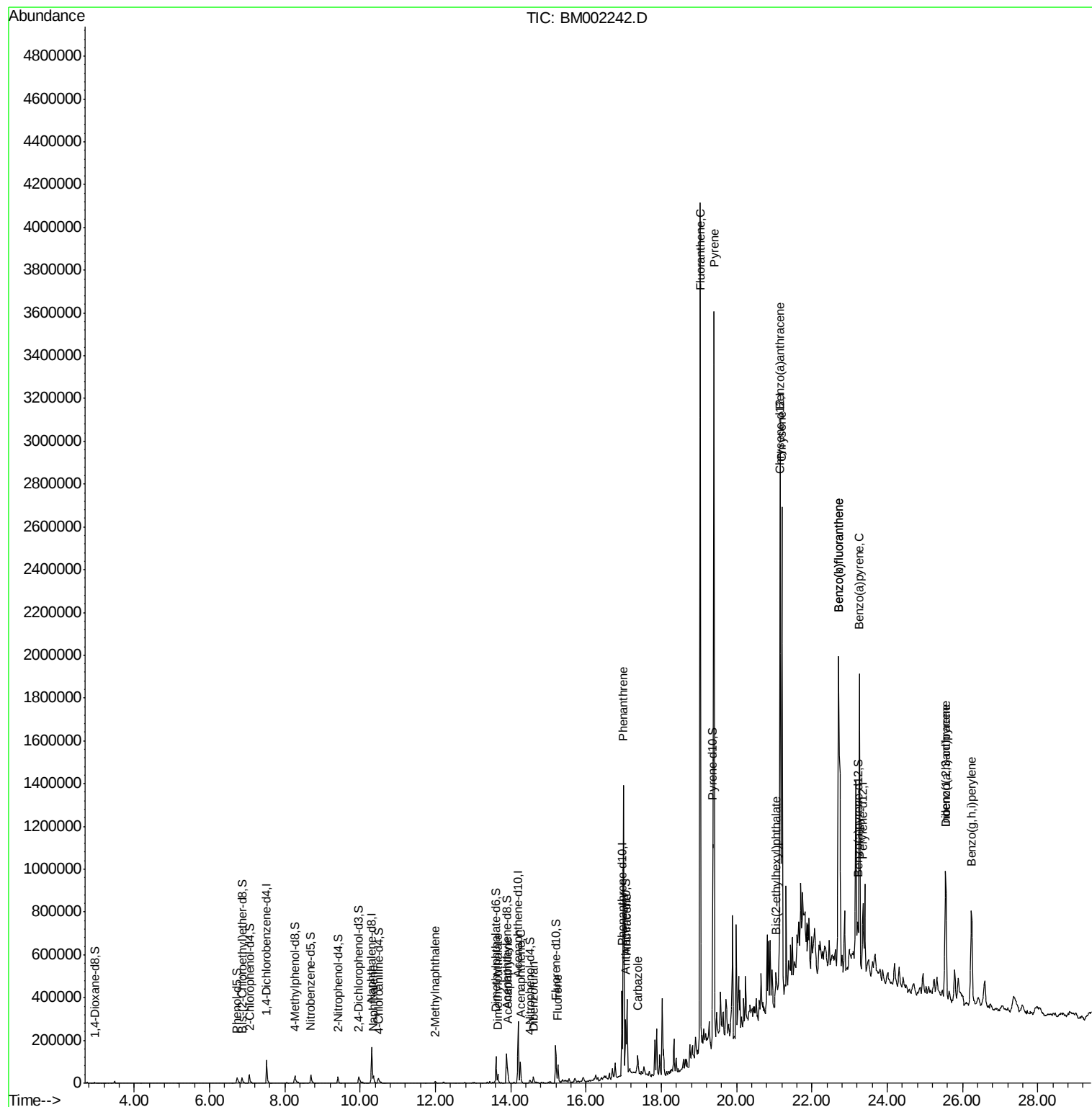
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

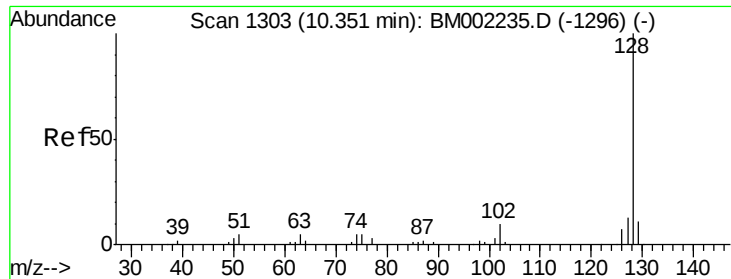
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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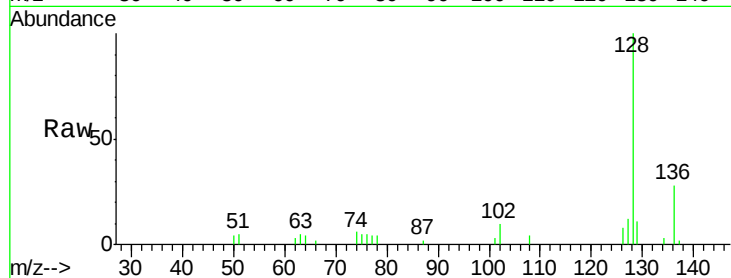




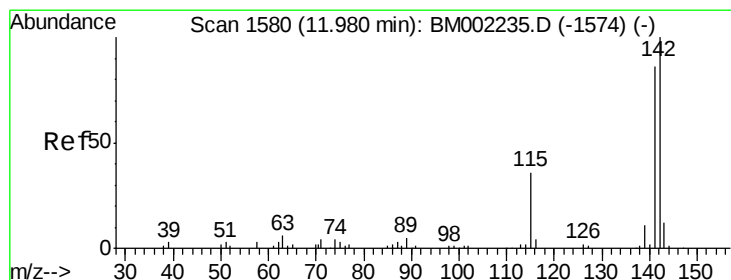
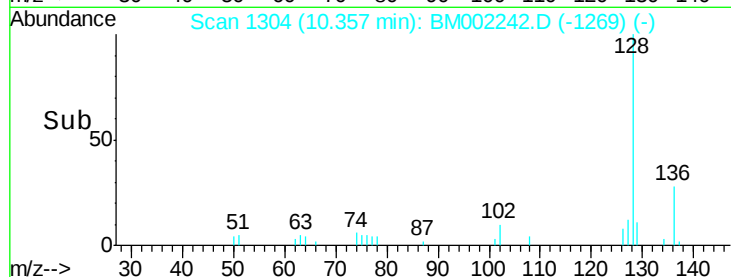
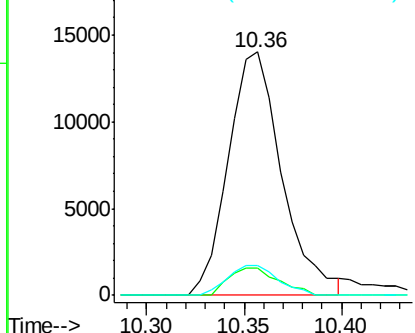
#28
Naphthalene
Concen: 3.40 ng/ul
RT: 10.36 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 26728
Ion Ratio Lower Upper
128 100
129 11.1 8.2 12.2
127 12.3 10.1 15.1

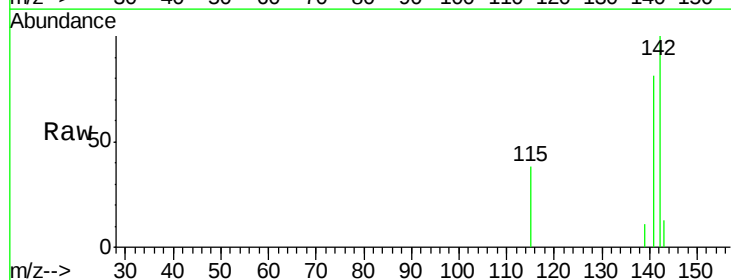


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

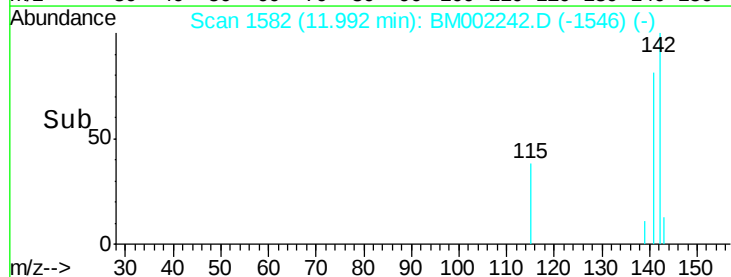
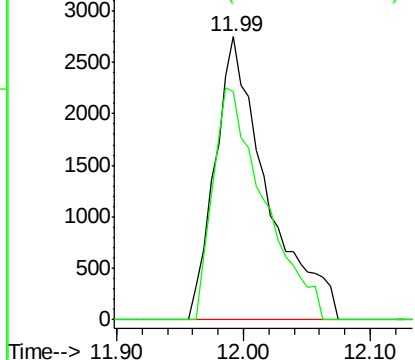


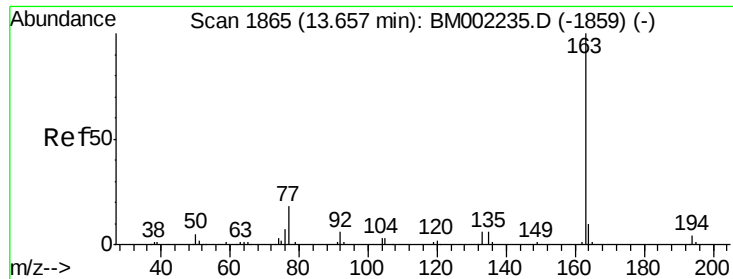
#34
2-Methylnaphthalene
Concen: 1.29 ng/ul
RT: 11.99 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

Tgt Ion:142 Resp: 7817
Ion Ratio Lower Upper
142 100
141 80.5 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

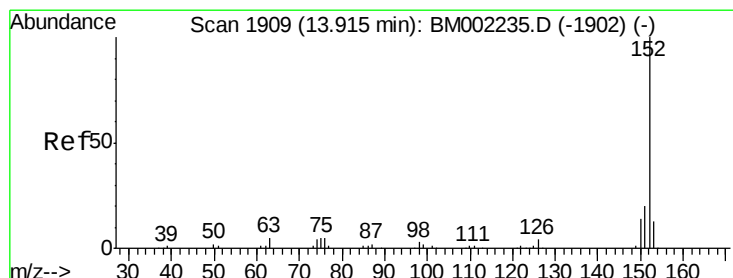
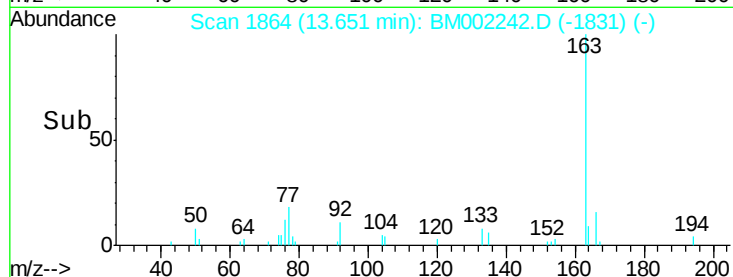
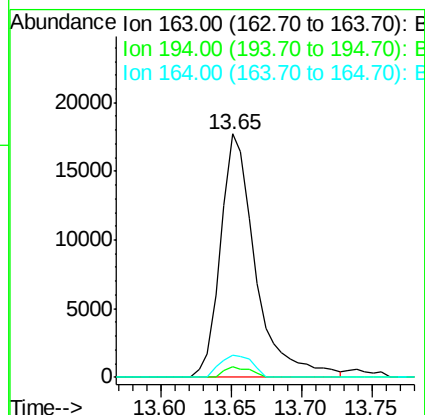
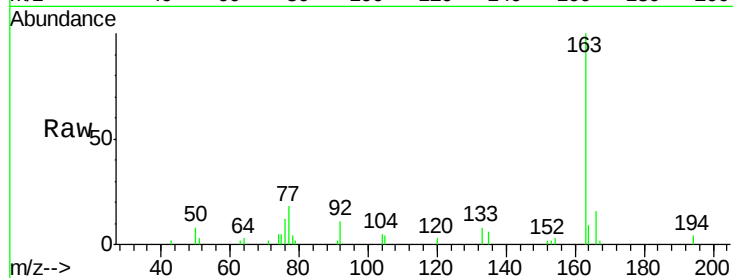




#45
Dimethylphthalate
Concen: 3.90 ng/ul
RT: 13.65 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

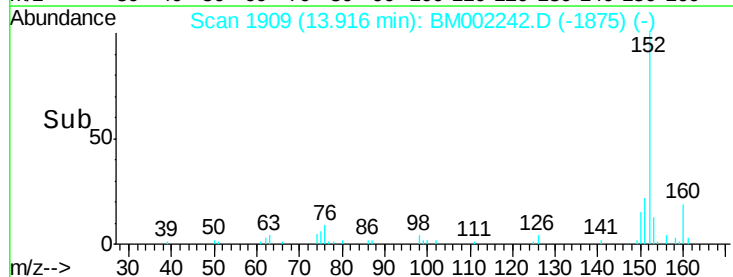
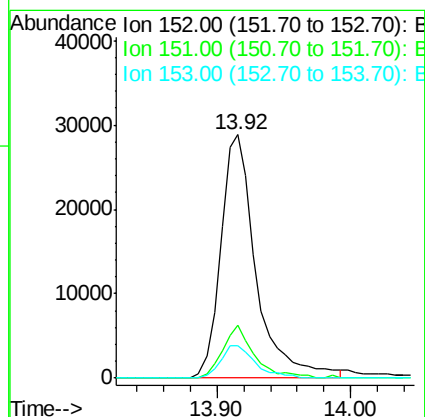
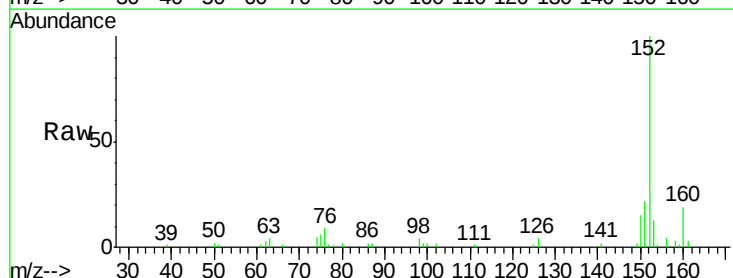
Instrument :
BNA_M
ClientSampleId :

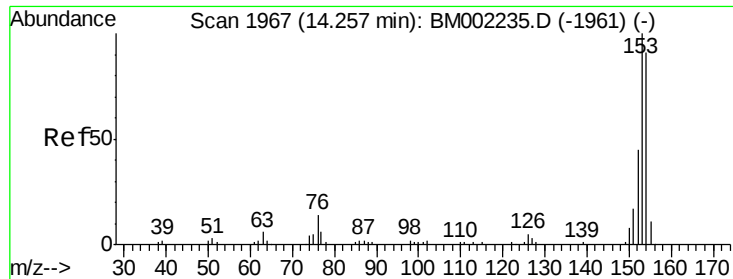
Tot Ion:163 Resp: 30709
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.0 7.9 11.9



#48
Acenaphthylene
Concen: 5.27 ng/ul
RT: 13.92 min Scan# 1909
Delta R.T. 0.00 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

Tgt Ion:152 Resp: 53640
Ion Ratio Lower Upper
152 100
151 21.7 15.2 22.8
153 13.1 10.3 15.5





#50

Acenaphthene

Concen: 6.43 ng/ul

RT: 14.26 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

Instrument :

BNA_M

ClientSampleId :

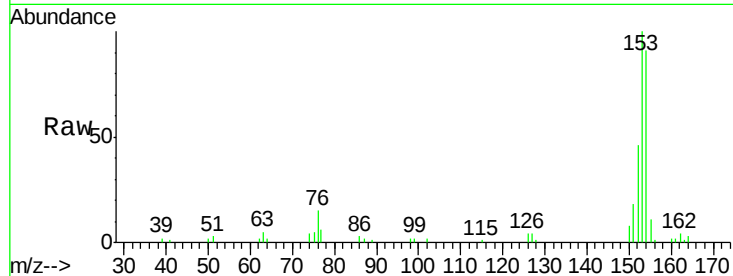
Tot Ion:153 Resp: 42801

Ion Ratio Lower Upper

153 100

152 45.5 36.6 54.8

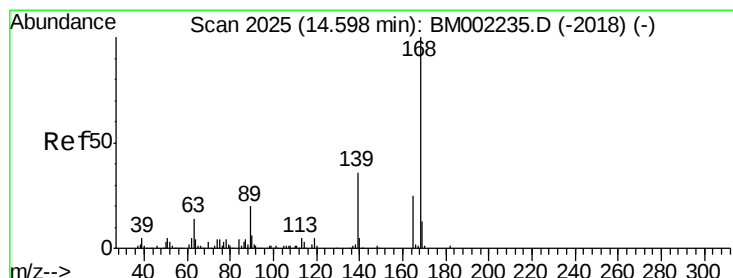
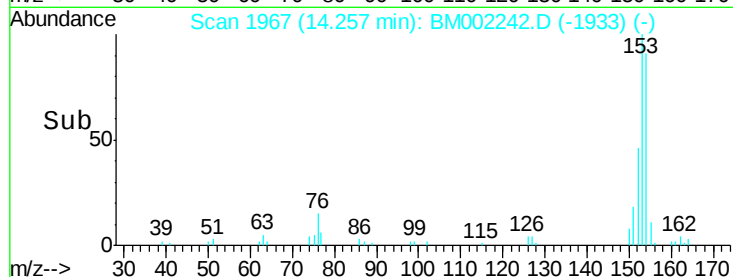
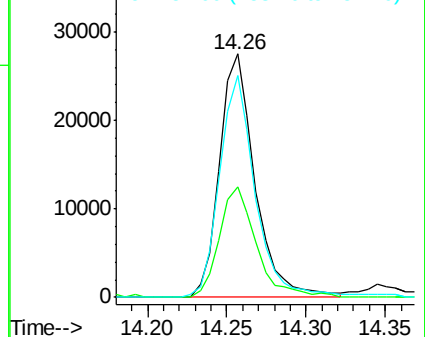
154 91.3 71.7 107.5



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



#54

Dibenzofuran

Concen: 2.72 ng/ul

RT: 14.60 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BM002242.D

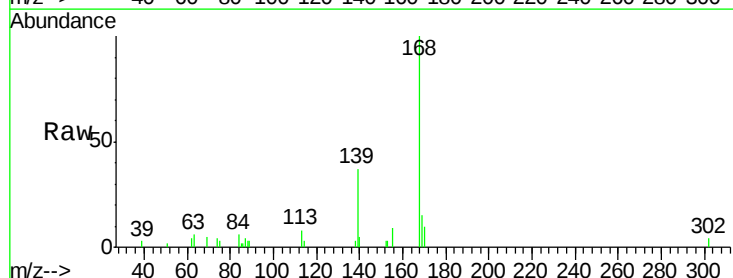
Acq: 05 Aug 2015 20:58

Tgt Ion:168 Resp: 26207

Ion Ratio Lower Upper

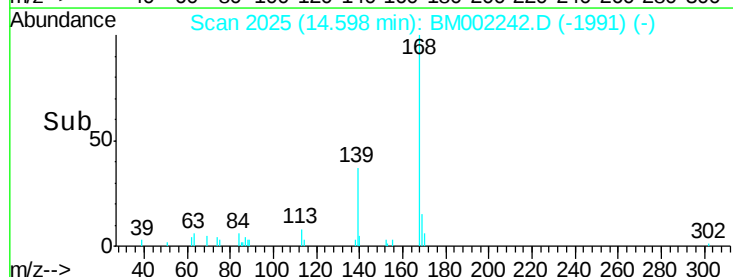
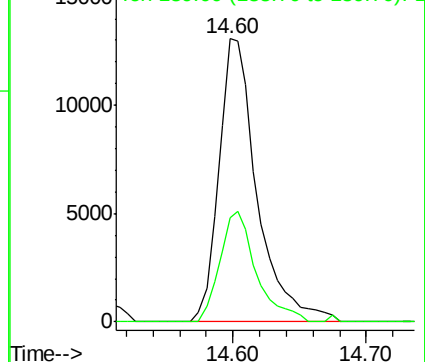
168 100

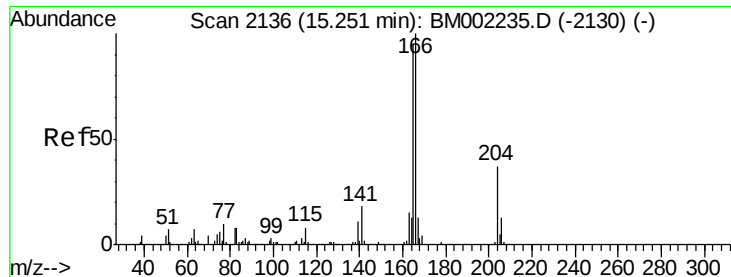
139 36.6 28.6 42.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 5.83 ng/ul

RT: 15.25 min Scan# 2136

Delta R.T. 0.00 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

Instrument :

BNA_M

ClientSampleId :

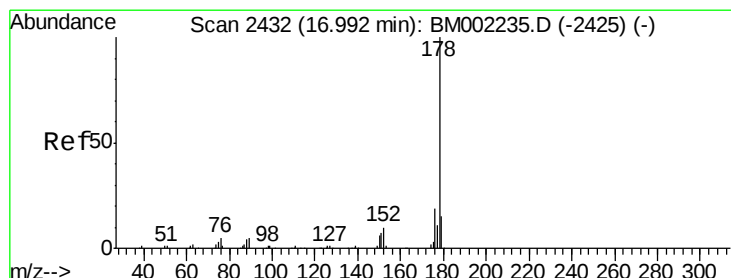
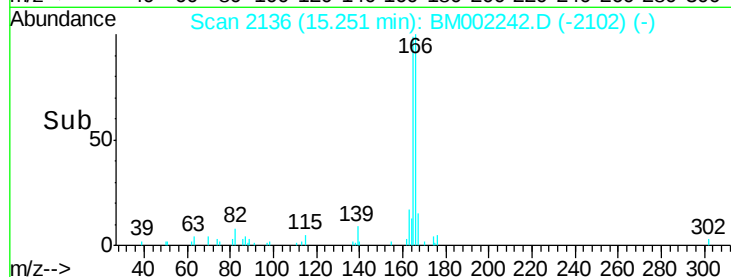
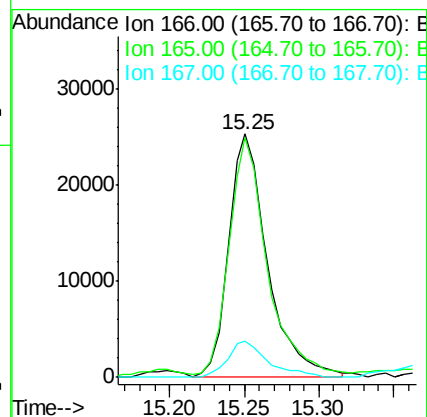
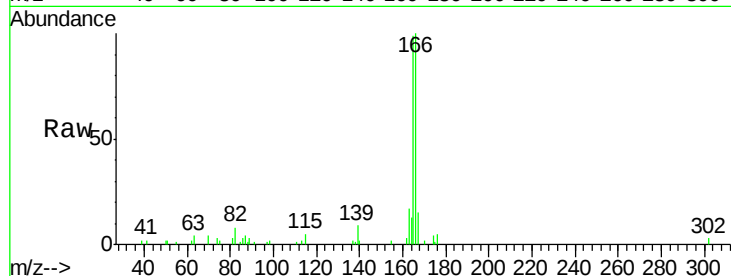
Tot Ion:166 Resp: 46251

Ion Ratio Lower Upper

166 100

165 98.7 76.0 114.0

167 14.8 10.5 15.7



#70

Phenanthrene

Concen: 68.79 ng/ul

RT: 17.00 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

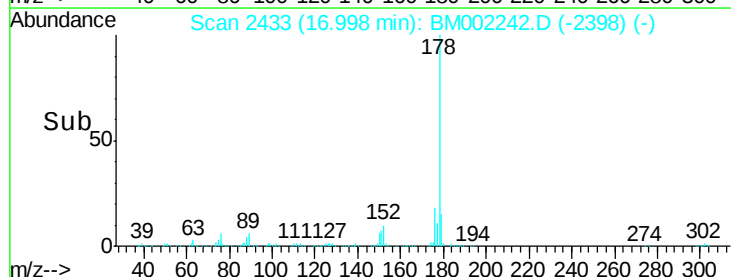
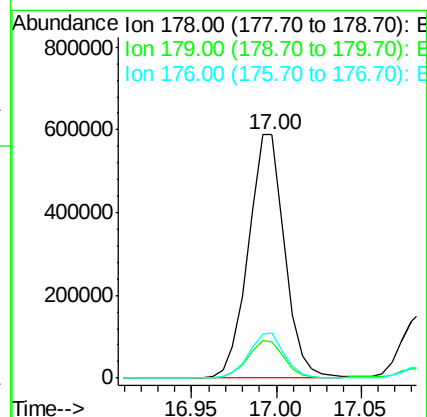
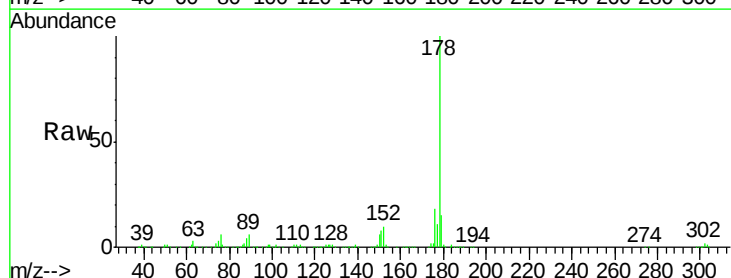
Tgt Ion:178 Resp: 884216

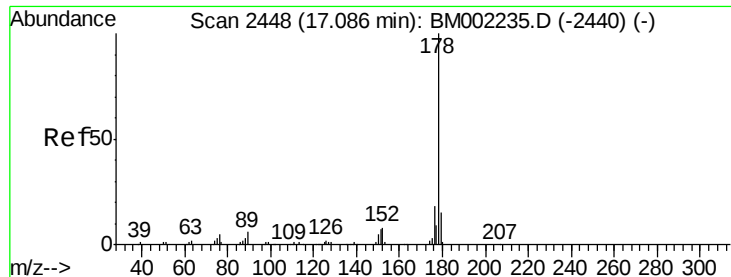
Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.4

176 18.4 14.6 21.8





#72

Anthracene

Concen: 18.26 ng/ul

RT: 17.09 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

Instrument :

BNA_M

ClientSampleId :

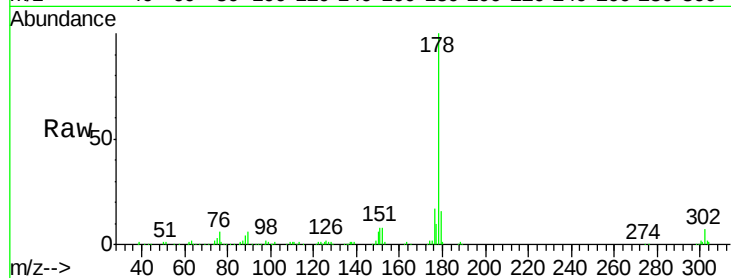
Tot Ion:178 Resp: 239919

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

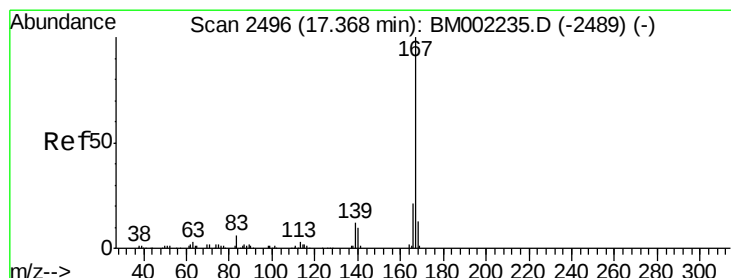
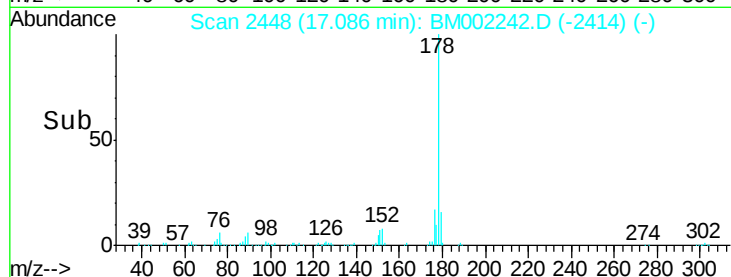
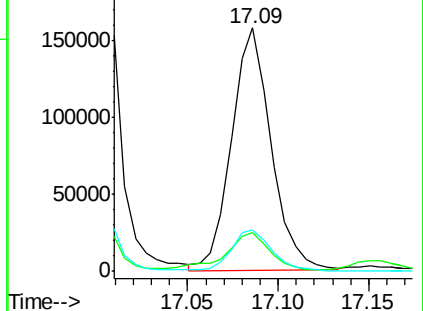
176 17.1 13.8 20.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 5.42 ng/ul

RT: 17.37 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

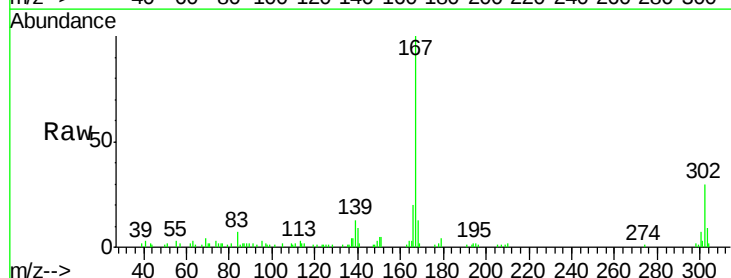
Tgt Ion:167 Resp: 59345

Ion Ratio Lower Upper

167 100

166 20.3 16.7 25.1

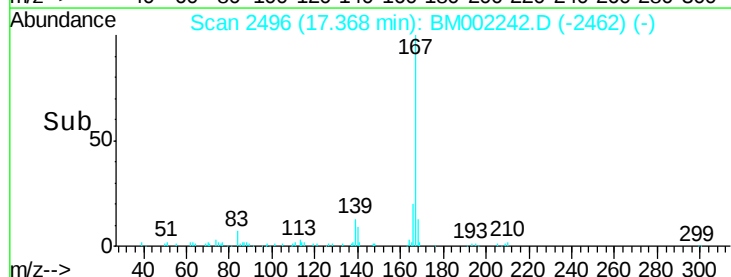
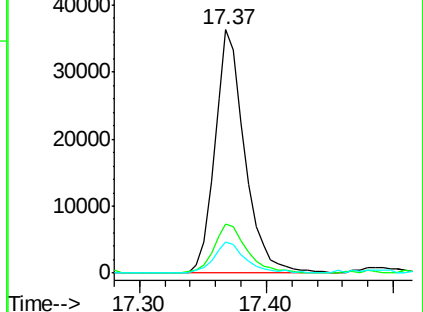
139 12.5 9.4 14.2

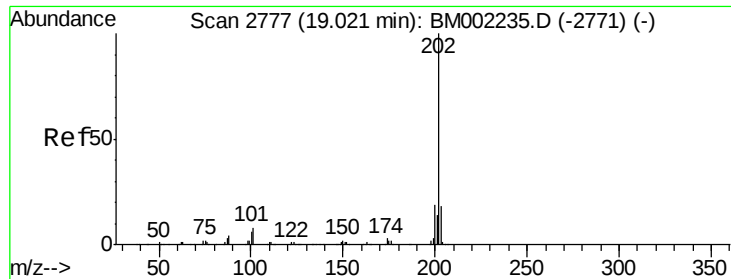


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

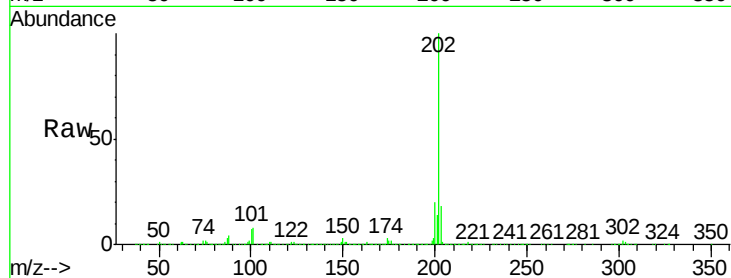




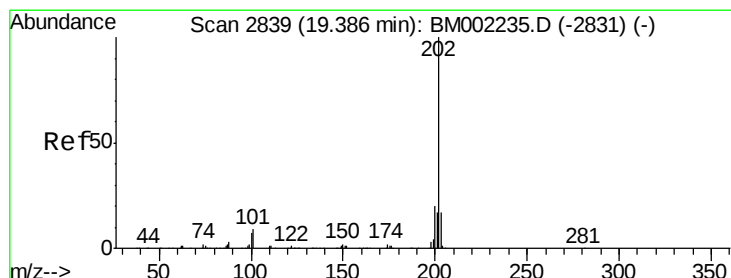
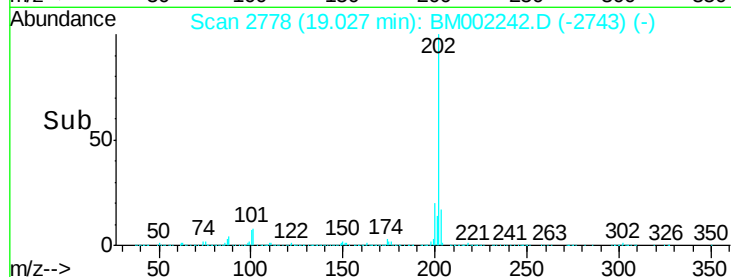
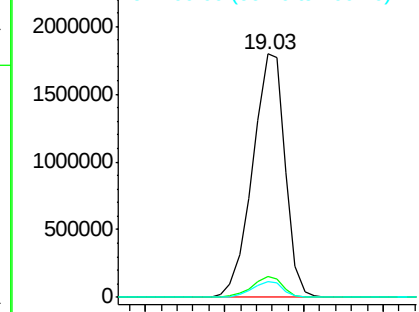
#77
 Fluoranthene
 Concen: 181.74 ng/ul
 RT: 19.03 min Scan# 2778
 Delta R.T. 0.01 min
 Lab File: BM002242.D
 Acq: 05 Aug 2015 20:58

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 2556445
 Ion Ratio Lower Upper
 202 100
 101 8.4 6.2 9.2
 100 6.7 4.8 7.2

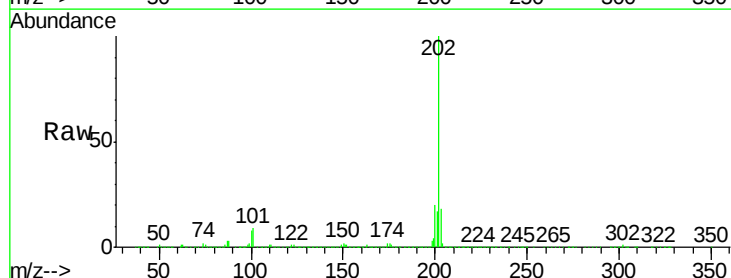


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

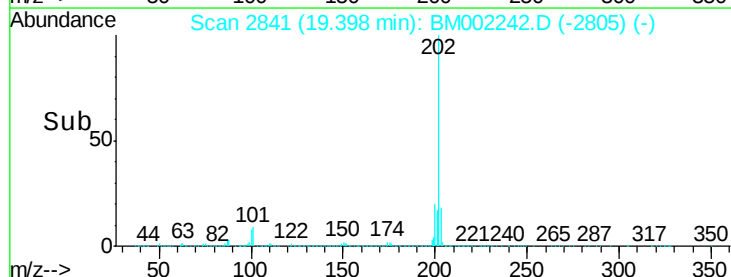
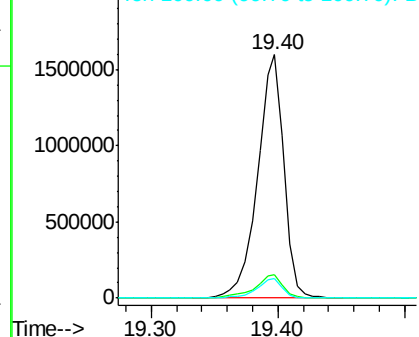


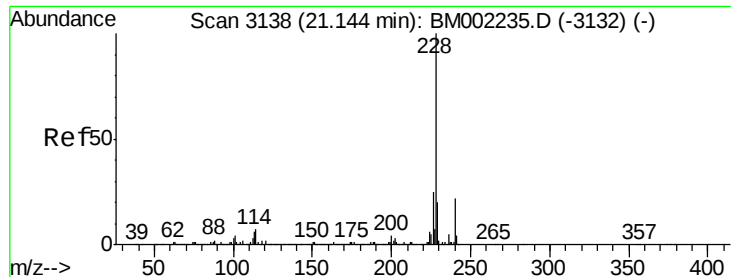
#80
 Pyrene
 Concen: 126.03 ng/ul
 RT: 19.40 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BM002242.D
 Acq: 05 Aug 2015 20:58

Tgt Ion:202 Resp: 2303130
 Ion Ratio Lower Upper
 202 100
 101 9.5 7.0 10.6
 100 7.9 5.8 8.8



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

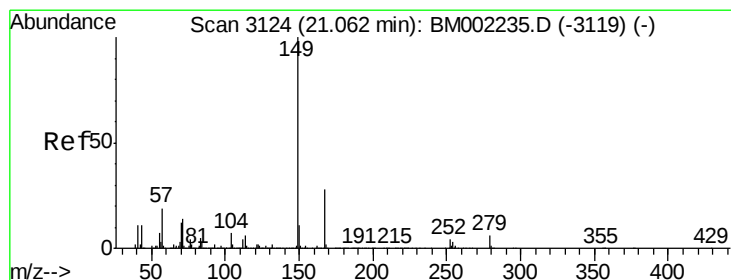
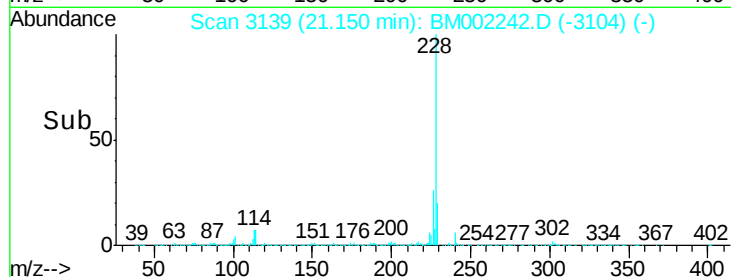
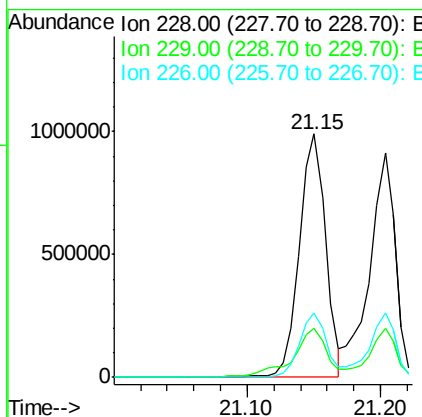
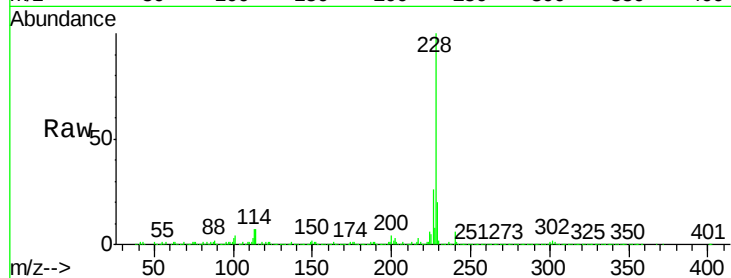




#83
Benzo(a)anthracene
Concen: 80.00 ng/ul
RT: 21.15 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

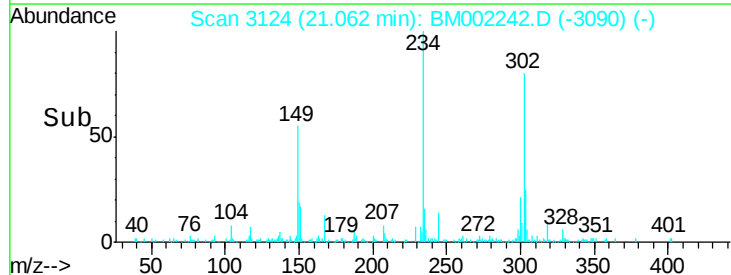
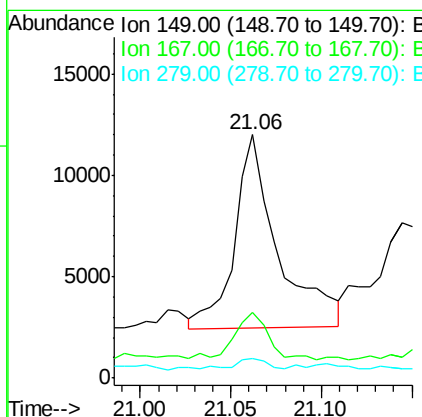
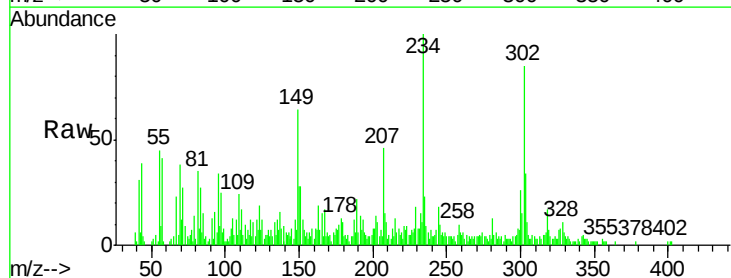
Instrument :
BNA_M
ClientSampleId :

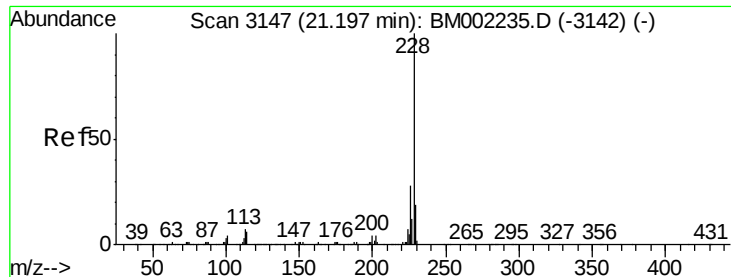
Tot Ion:228 Resp: 1332495
Ion Ratio Lower Upper
228 100
229 20.3 15.9 23.9
226 26.3 20.6 31.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.70 ng/ul
RT: 21.06 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

Tgt Ion:149 Resp: 15922
Ion Ratio Lower Upper
149 100
167 26.7 23.0 34.4
279 8.1 4.0 6.0#





#85

Chrysene

Concen: 77.84 ng/ul

RT: 21.20 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

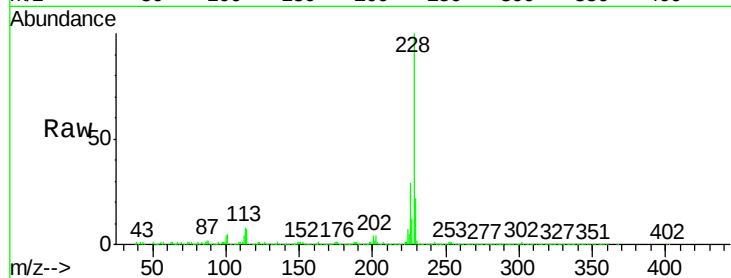
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 1193785

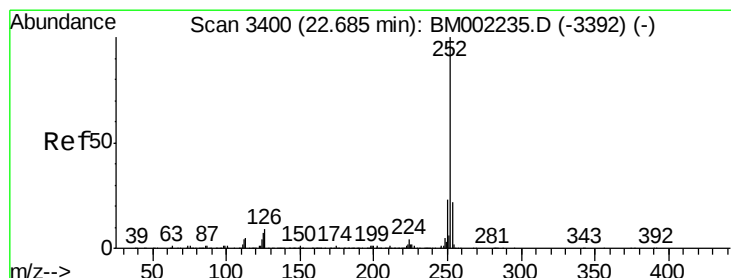
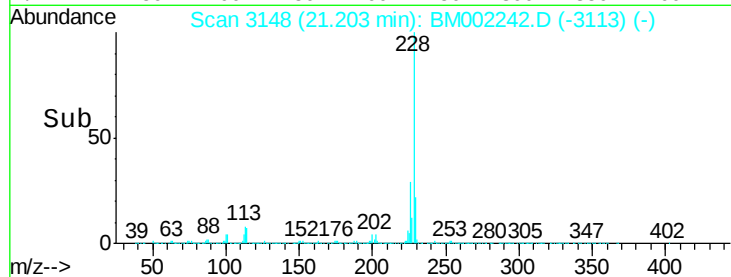
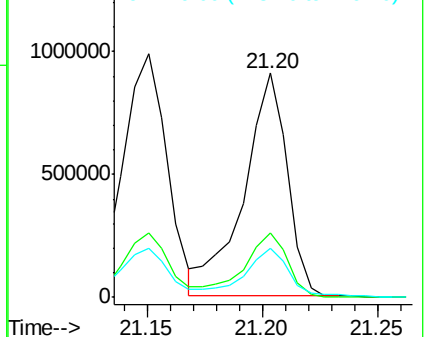
Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	22.1	15.5	23.3



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



#88

Benzo(b)fluoranthene

Concen: 101.10 ng/ul

RT: 22.70 min Scan# 3403

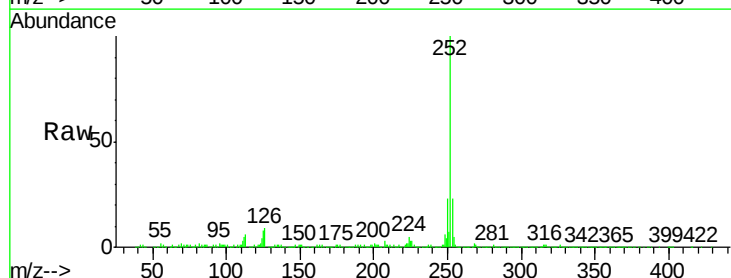
Delta R.T. 0.02 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

Tgt Ion:252 Resp: 1353150

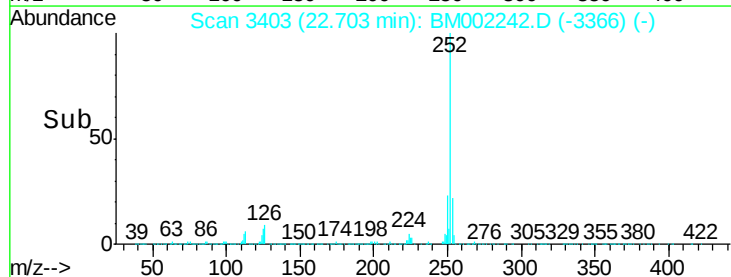
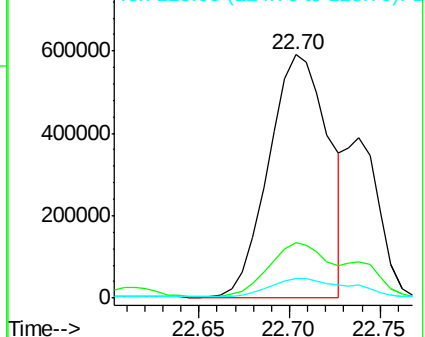
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	7.8	5.4	8.2

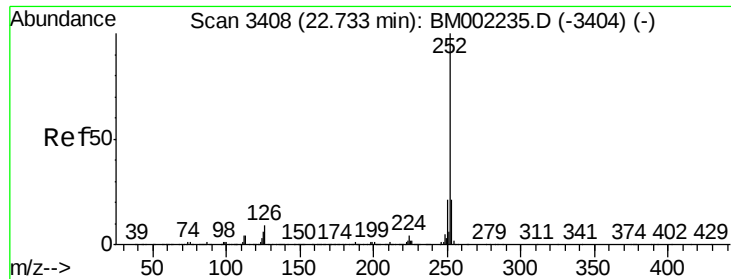


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

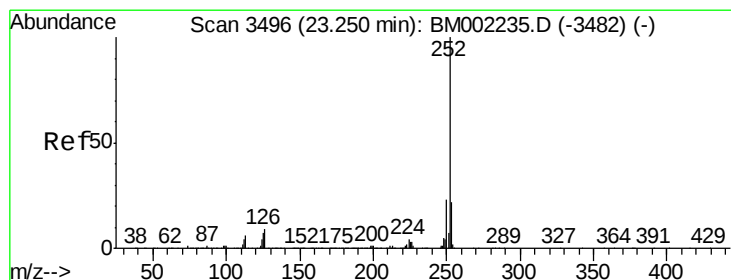
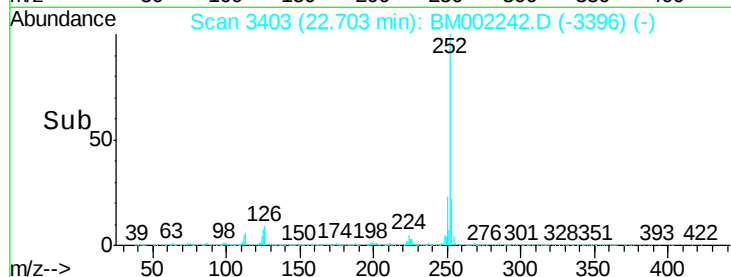
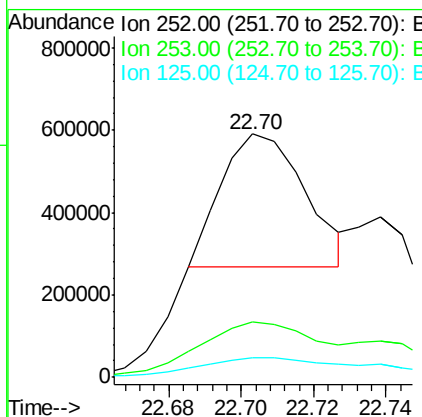
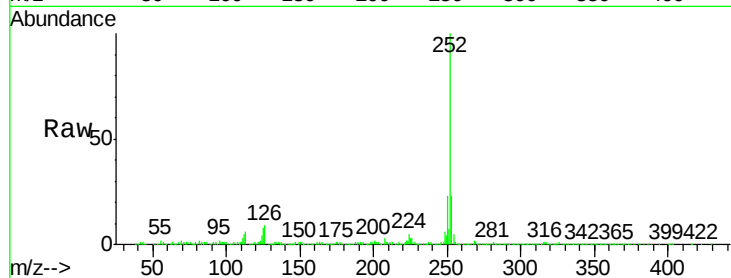




#89
Benzo(k)fluoranthene
Concen: 39.94 ng/ul
RT: 22.70 min Scan# 3403
Delta R.T. -0.03 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

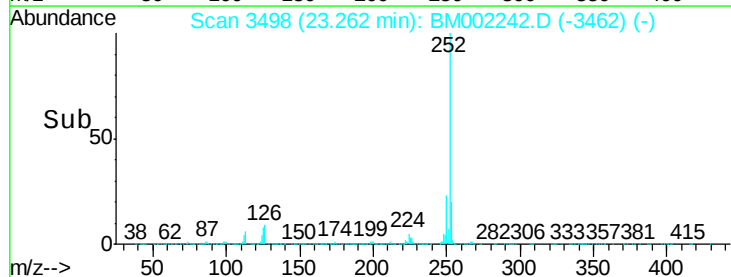
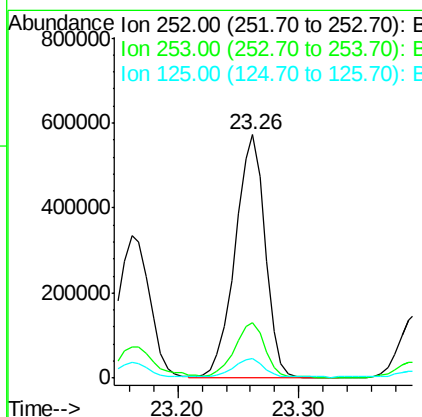
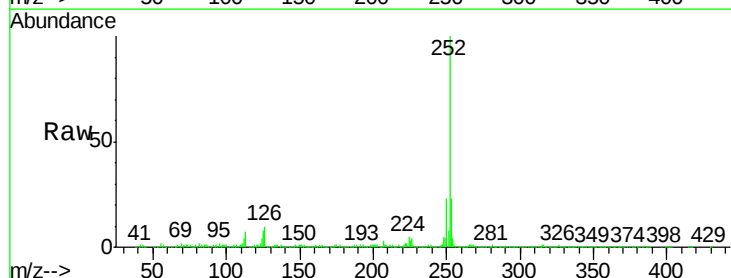
Instrument :
BNA_M
ClientSampled :

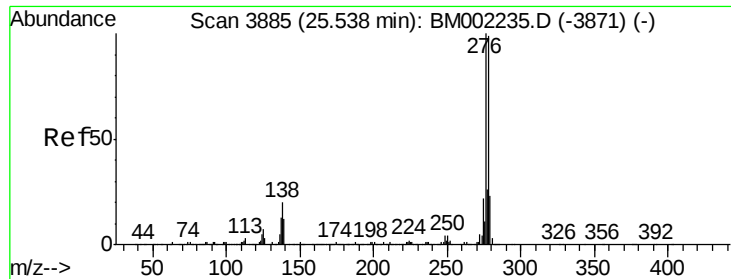
Tot Ion:252 Resp: 517673
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 7.8 5.6 8.4



#91
Benzo(a)pyrene
Concen: 77.12 ng/ul
RT: 23.26 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

Tgt Ion:252 Resp: 985901
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 8.1 6.1 9.1



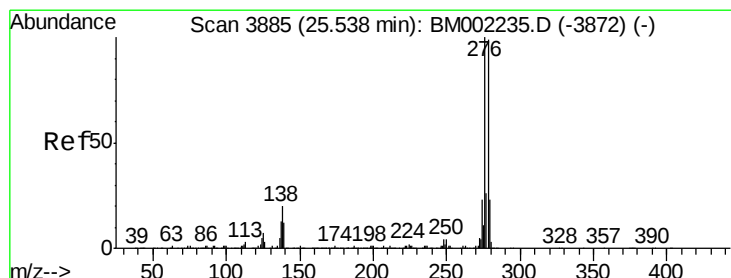
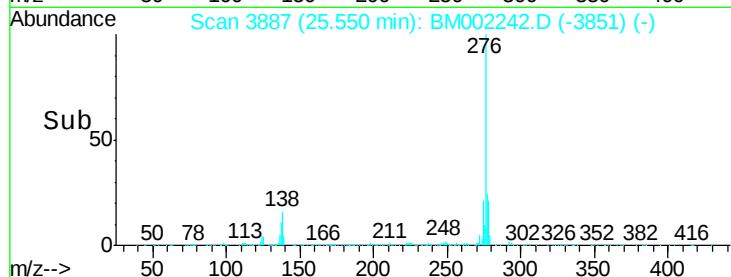
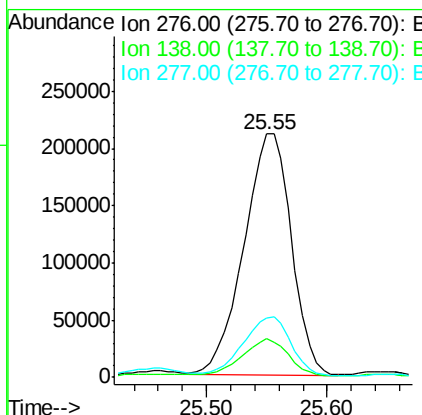
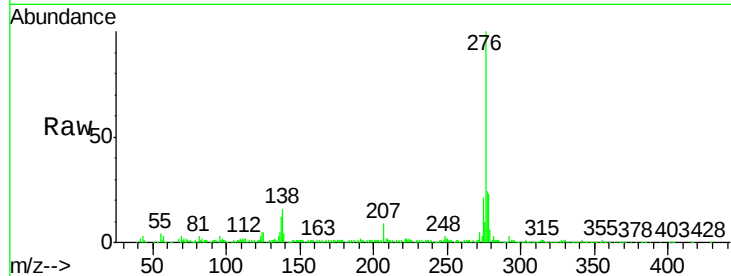


#92

Indeno(1,2,3-cd)pyrene
Concen: 40.22 ng/ul
RT: 25.55 min Scan# 3887
Delta R.T. 0.01 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

Instrument :
BNA_M
ClientSampleId :

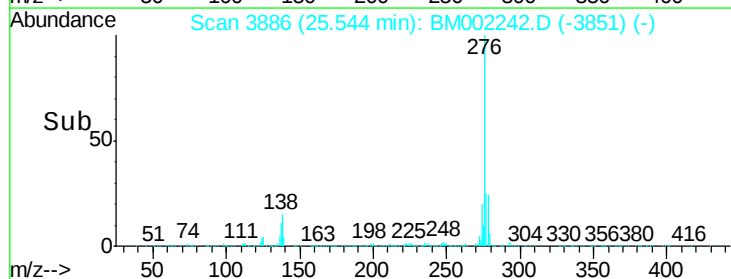
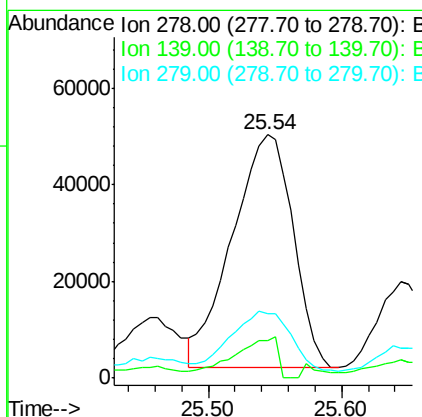
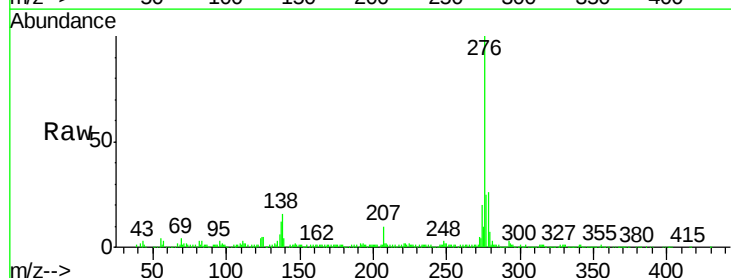
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	15.4	23.0
277	24.2	20.2	30.2

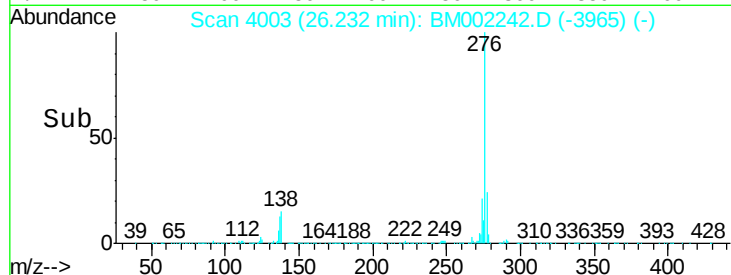
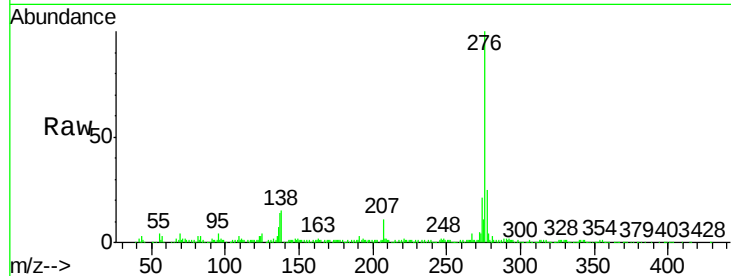
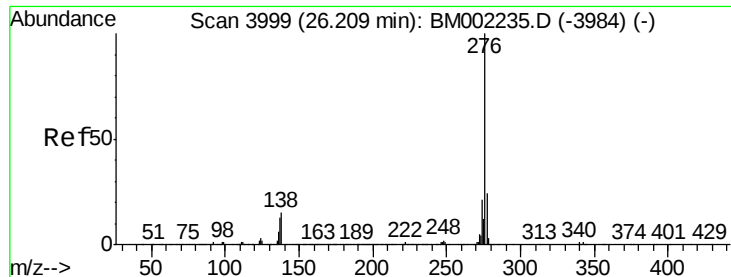


#93

Dibenzo(a,h)anthracene
Concen: 12.46 ng/ul
RT: 25.54 min Scan# 3886
Delta R.T. 0.01 min
Lab File: BM002242.D
Acq: 05 Aug 2015 20:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	10.4	15.6#
279	26.3	17.9	26.9





#94

Benzo(a,h,i)perylene

Concen: 43.26 ng/ul

RT: 26.23 min Scan# 4003

Delta R.T. 0.02 min

Lab File: BM002242.D

Acq: 05 Aug 2015 20:58

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 519008

Ion Ratio Lower Upper

276 100

138 15.4 12.5 18.7

277 24.9 19.4 29.0

