

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
 Data File : BM001886.D
 Acq On : 09 Jul 2015 15:28
 Operator : TP/UM
 Sample : G2860-20DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93K5DL

Quant Time: Jul 10 05:16:05 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 10 05:15:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	38783	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	150121	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	83277	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	182369	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	206586	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	210970	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.83	99	4893	1.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	2541	1.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	3953	1.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	3837	1.60	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	1681	1.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	1782	1.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	3893	1.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	2139	0.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	11235	1.82	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	14668	1.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	1152	1.01	ng/ul	0.00
57) Fluorene-d10	15.32	176	11806	2.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	813	0.73	ng/ul	0.00
70) Anthracene-d10	17.16	188	16872	1.99	ng/ul	0.00
78) Pyrene-d10	19.47	212	19443	2.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	20520	2.21	ng/ul	0.00

Target Compounds

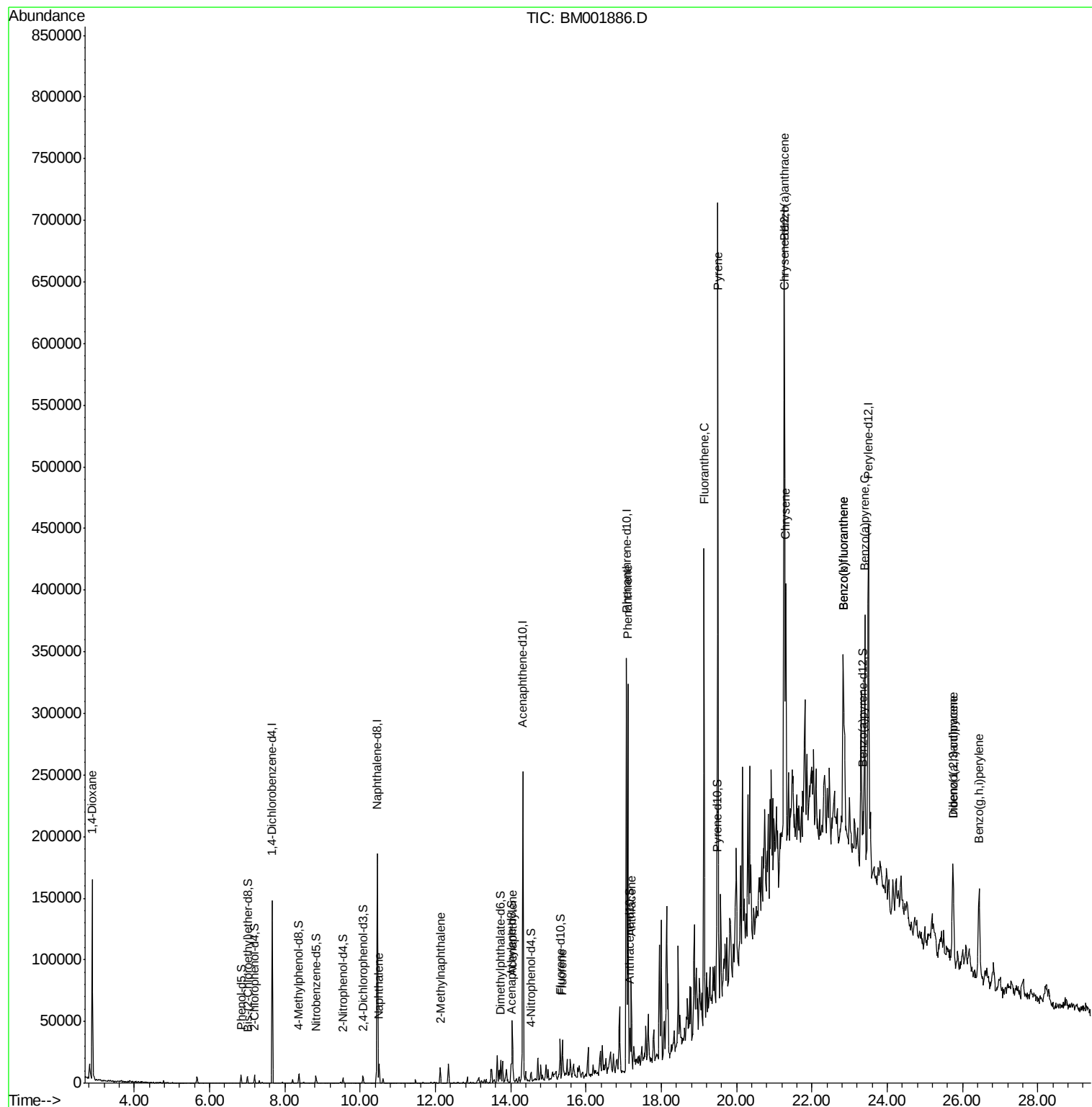
						Qvalue
2) 1,4-Dioxane	2.88	88	1041	1.12	ng/ul#	1
28) Naphthalene	10.50	128	13513	1.78	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	7270	1.33	ng/ul	99
47) Acenaphthylene	14.04	152	34216	4.15	ng/ul	98
58) Fluorene	15.37	166	16293	2.48	ng/ul	94
69) Phenanthrene	17.11	178	183388	18.55	ng/ul	98
71) Anthracene	17.20	178	41794	4.12	ng/ul	99
76) Fluoranthene	19.13	202	216441	18.30	ng/ul	98
79) Pyrene	19.50	202	379600	33.12	ng/ul	100
82) Benzo(a)anthracene	21.25	228	131553	10.90	ng/ul#	88
84) Chrysene	21.30	228	133604	11.68	ng/ul#	93
87) Benzo(b)fluoranthene	22.83	252	174993	14.25	ng/ul#	96
88) Benzo(k)fluoranthene	22.83	252	150749	12.70	ng/ul#	95
90) Benzo(a)pyrene	23.40	252	138242	11.57	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.74	276	80947	5.71	ng/ul	98
92) Dibenzo(a,h)anthracene	25.74	278	22116	1.85	ng/ul#	85
93) Benzo(g,h,i)perylene	26.44	276	91276	7.66	ng/ul	98

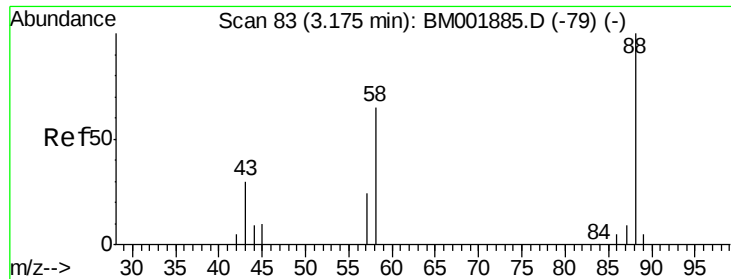
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.12 ng/uL

RT: 2.88 min Scan# 33

Delta R.T. -0.29 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

Instrument :

BNA_M

ClientSampleId :

G93K5DL

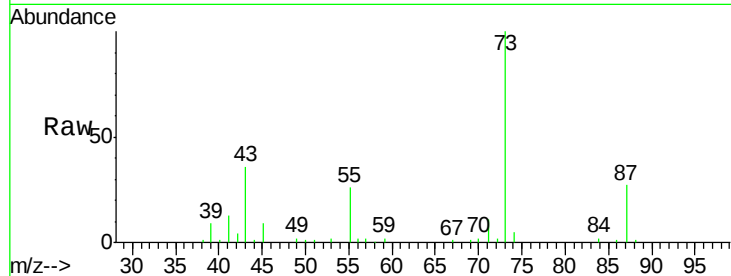
Tgt Ion: 88 Resp: 1041

Ion Ratio Lower Upper

88 100

43 2535.6 24.2 36.4#

58 0.0 56.2 84.2#

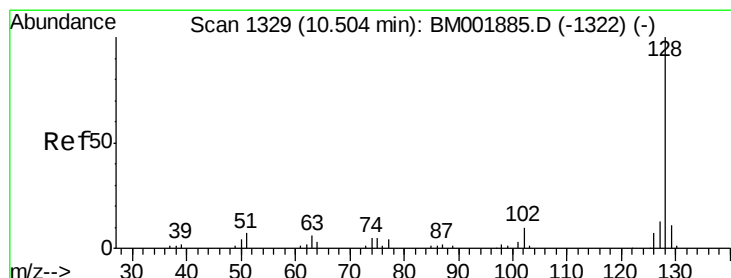
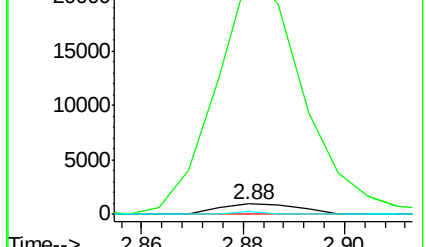
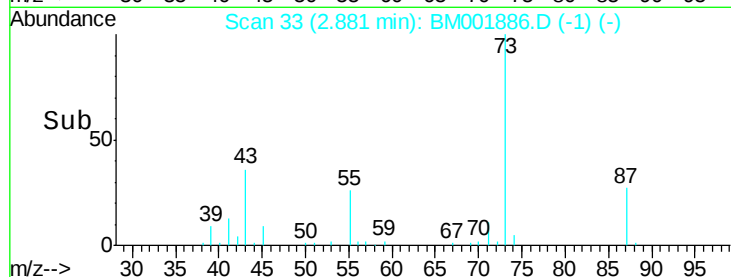


Abundance Ion 88.00 (87.70 to 88.70): BM001886.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM001886.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM001886.D (-1) (-)

Time-->



#28

Naphthalene

Concen: 1.78 ng/uL

RT: 10.50 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

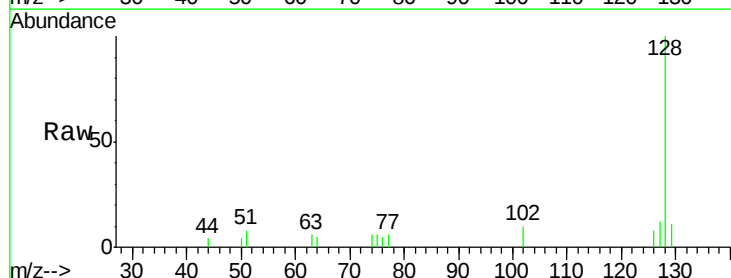
Tgt Ion: 128 Resp: 13513

Ion Ratio Lower Upper

128 100

129 11.5 8.7 13.1

127 12.4 10.0 15.0

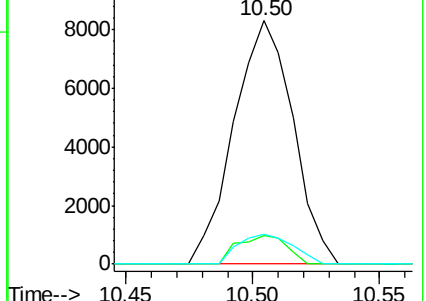
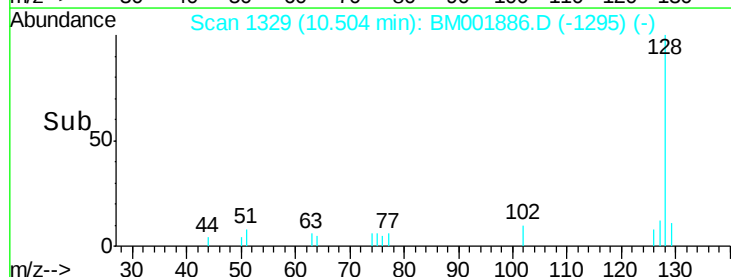


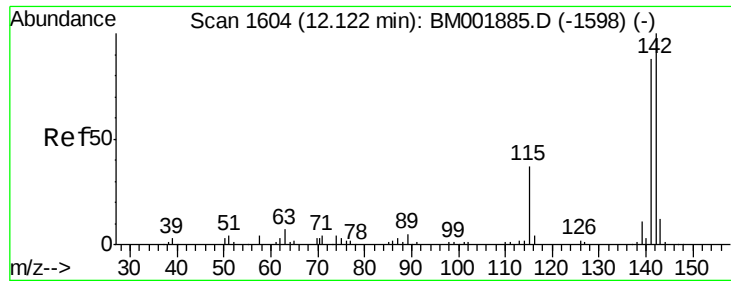
Abundance Ion 128.00 (127.70 to 128.70): BM001886.D (-1295) (-)

Ion 129.00 (128.70 to 129.70): BM001886.D (-1295) (-)

Ion 127.00 (126.70 to 127.70): BM001886.D (-1295) (-)

Time-->

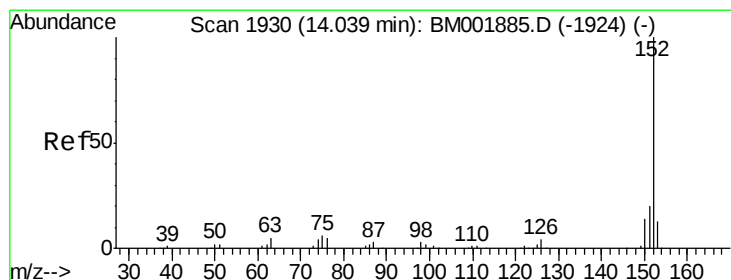
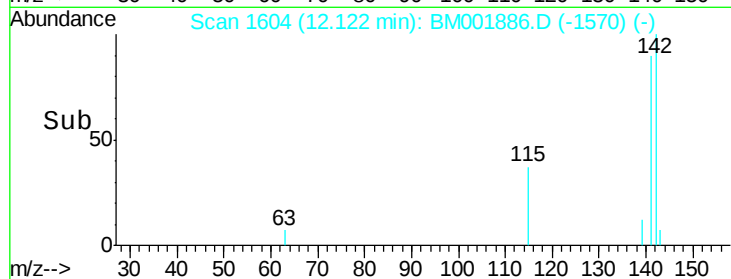
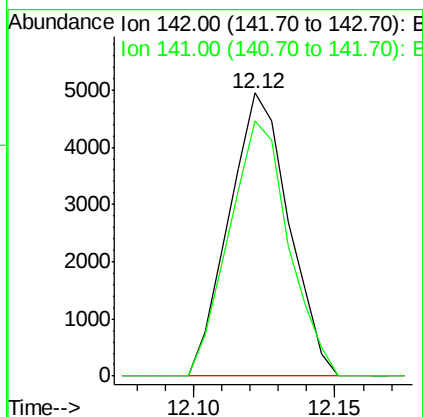
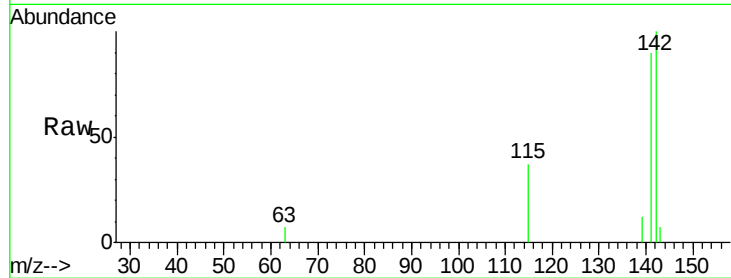




#34
2-Methylnaphthalene
Concen: 1.33 ng/ul
RT: 12.12 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BM001886.D
Acq: 09 Jul 2015 15:28

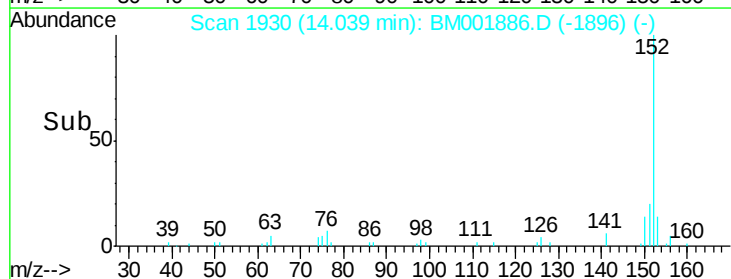
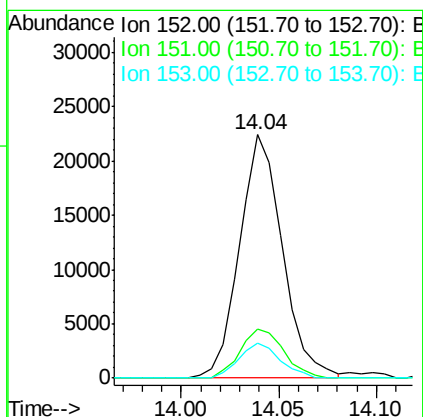
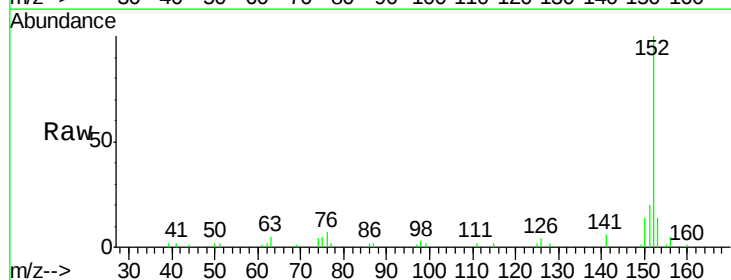
Instrument :
BNA_M
ClientSampled :
G93K5DL

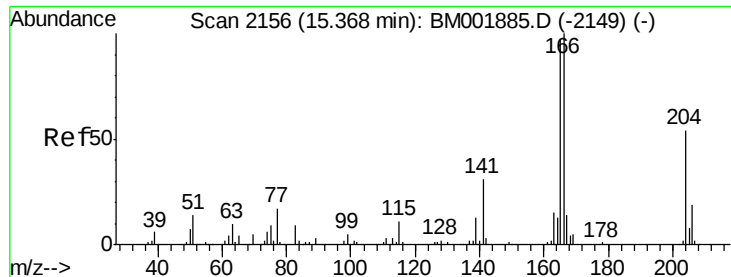
Tgt Ion:142 Resp: 7270
Ion Ratio Lower Upper
142 100
141 90.0 71.6 107.4



#47
Acenaphthylene
Concen: 4.15 ng/ul
RT: 14.04 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BM001886.D
Acq: 09 Jul 2015 15:28

Tgt Ion:152 Resp: 34216
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 14.5 10.0 15.0





#58

Fluorene

Concen: 2.48 ng/ul

RT: 15.37 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

Instrument :

BNA_M

ClientSampleId :

G93K5DL

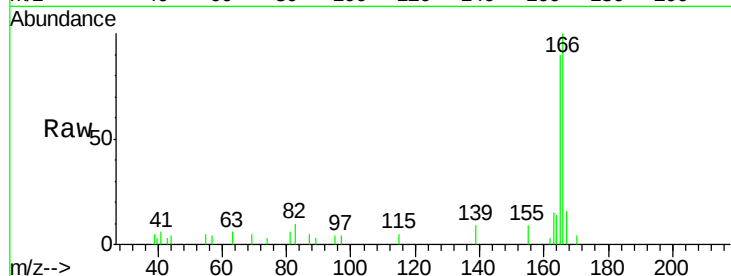
Tgt Ion:166 Resp: 16293

Ion Ratio Lower Upper

166 100

165 90.3 77.4 116.2

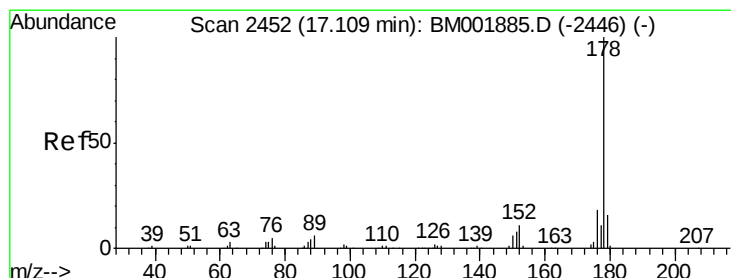
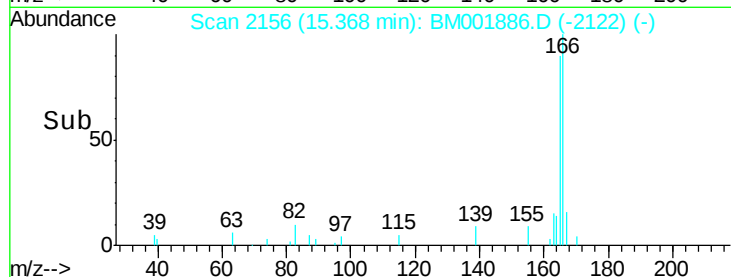
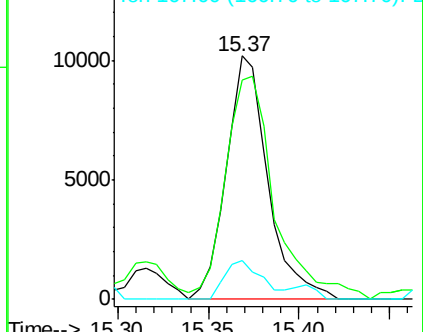
167 15.8 11.3 16.9



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



#69

Phenanthrene

Concen: 18.55 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

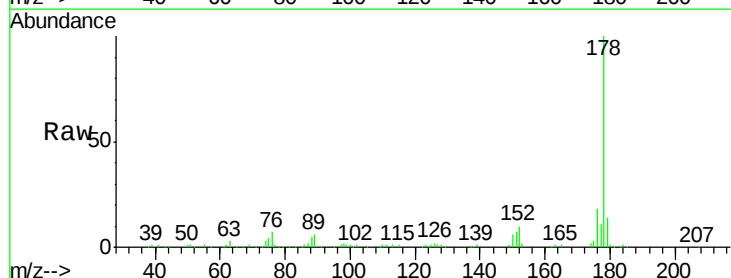
Tgt Ion:178 Resp: 183388

Ion Ratio Lower Upper

178 100

179 14.4 11.9 17.9

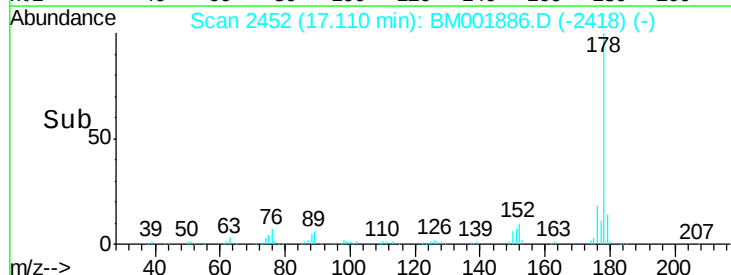
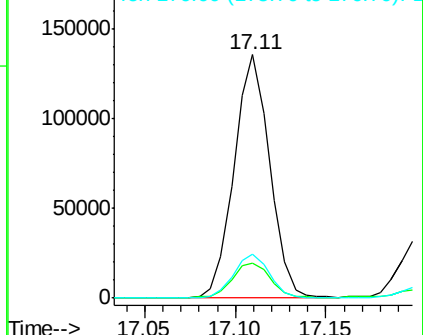
176 18.0 15.2 22.8

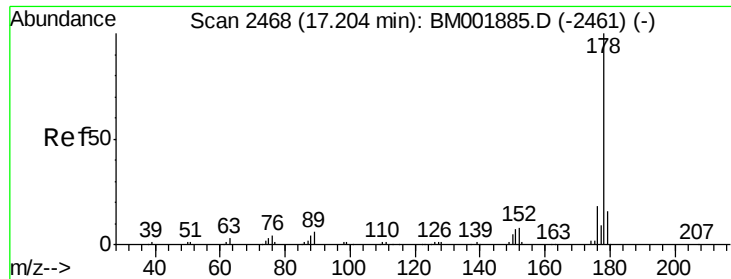


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

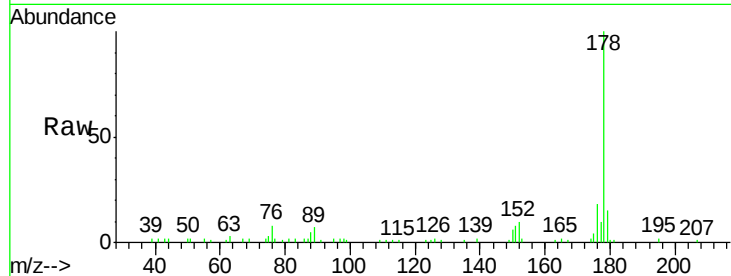




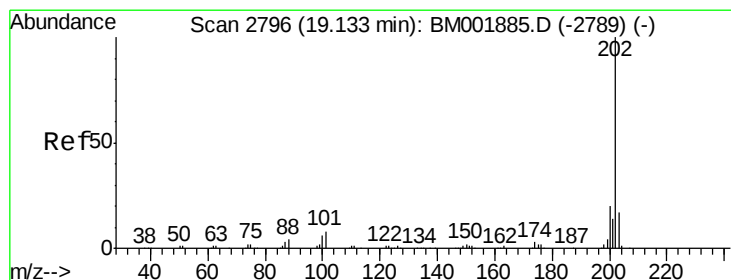
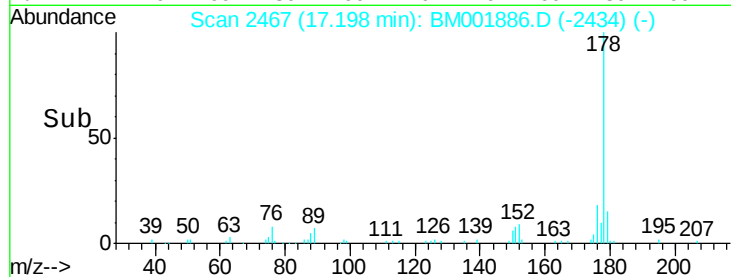
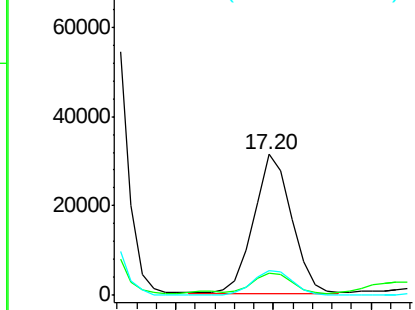
#71
 Anthracene
 Concen: 4.12 ng/ul
 RT: 17.20 min Scan# 2467
 Delta R.T. -0.01 min
 Lab File: BM001886.D
 Acq: 09 Jul 2015 15:28

Instrument :
 BNA_M
 ClientSampleId :
 G93K5DL

Tgt Ion:178 Resp: 41794
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.8 17.8
 176 17.7 14.4 21.6

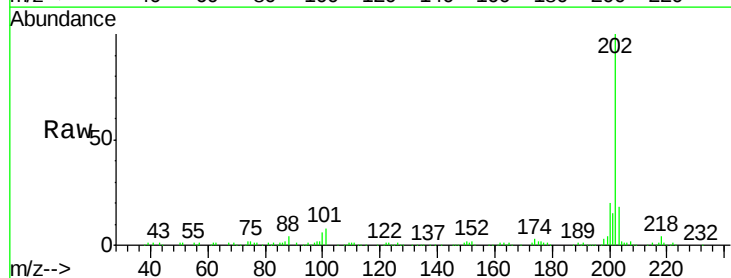


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

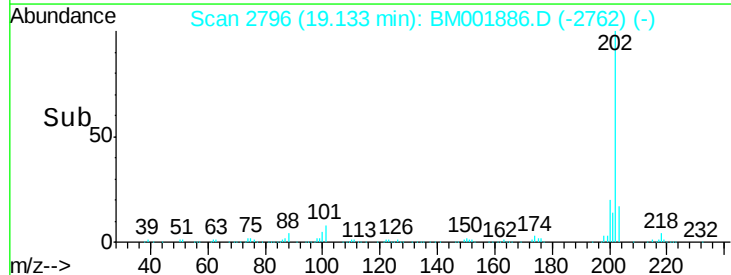
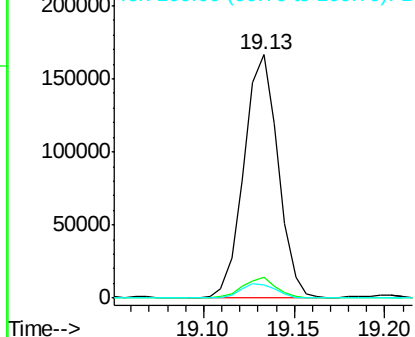


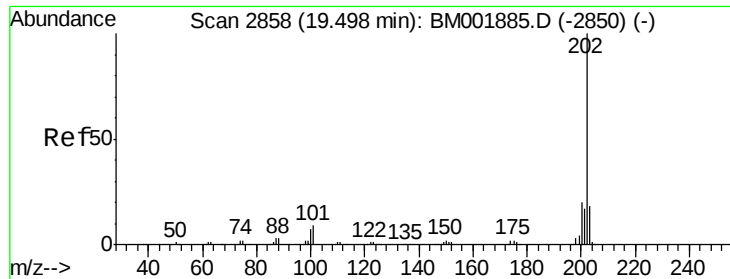
#76
 Fluoranthene
 Concen: 18.30 ng/ul
 RT: 19.13 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BM001886.D
 Acq: 09 Jul 2015 15:28

Tgt Ion:202 Resp: 216441
 Ion Ratio Lower Upper
 202 100
 101 8.4 6.1 9.1
 100 5.7 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





#79

Pyrene

Concen: 33.12 ng/ul

RT: 19.50 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

Instrument :

BNA_M

ClientSampleId :

G93K5DL

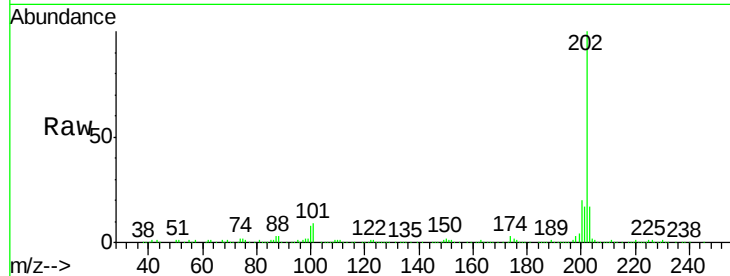
Tgt Ion:202 Resp: 379600

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

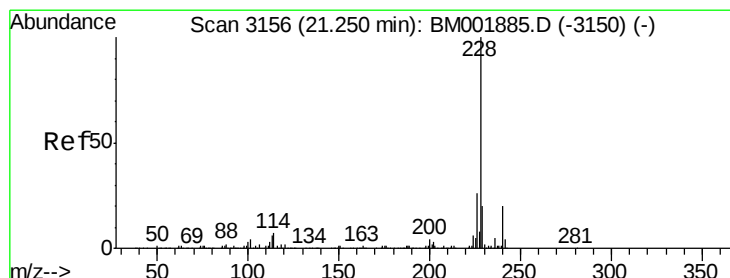
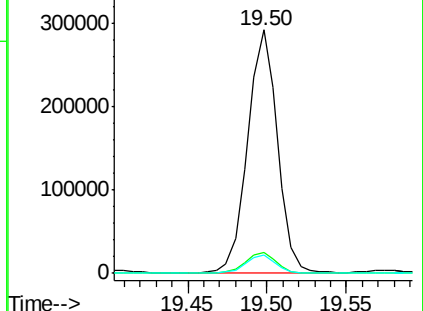
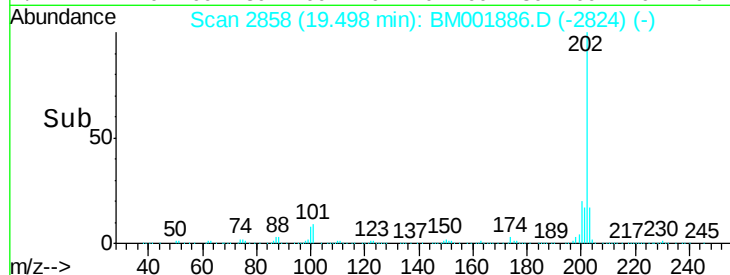
100 7.5 6.2 9.2



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



#82

Benzo(a)anthracene

Concen: 10.90 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

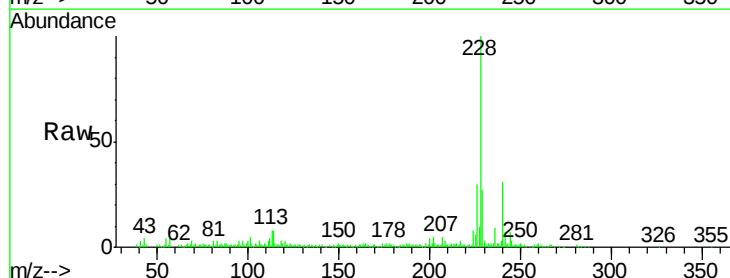
Tgt Ion:228 Resp: 131553

Ion Ratio Lower Upper

228 100

229 26.6 15.4 23.0#

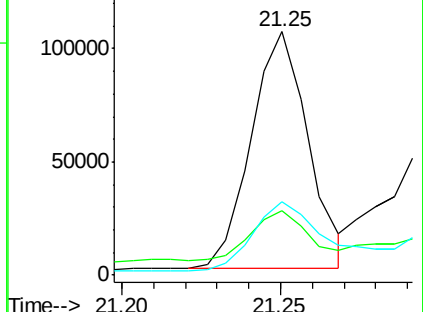
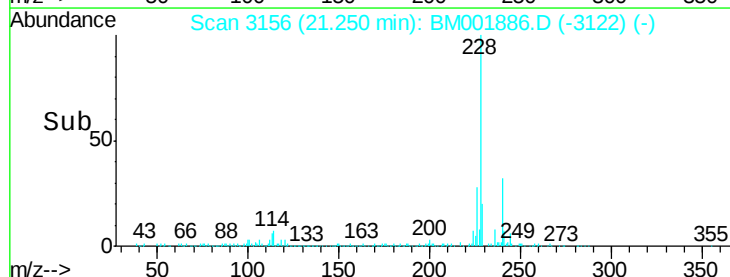
226 30.0 20.6 30.8

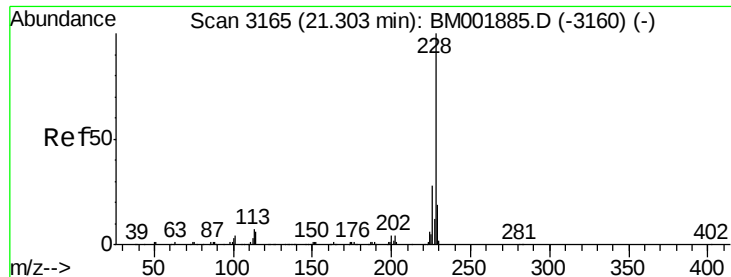


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 11.68 ng/ul

RT: 21.30 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

Instrument :

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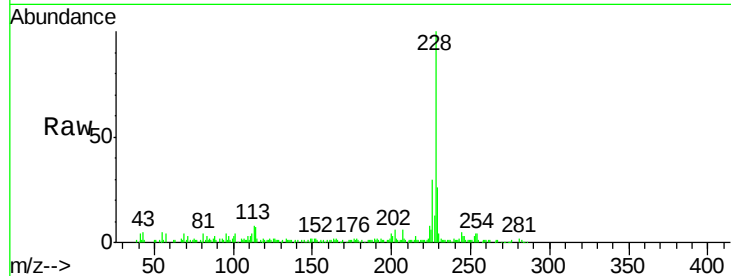
Tgt Ion:228 Resp: 133604

Ion Ratio Lower Upper

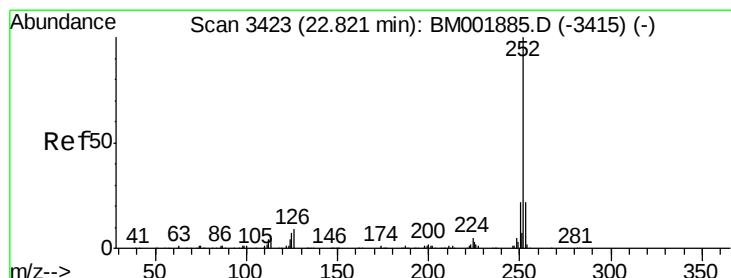
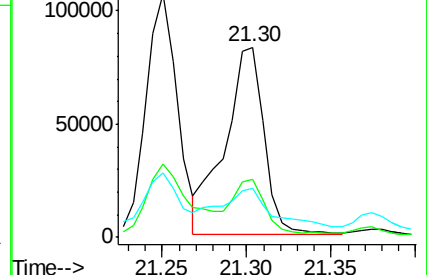
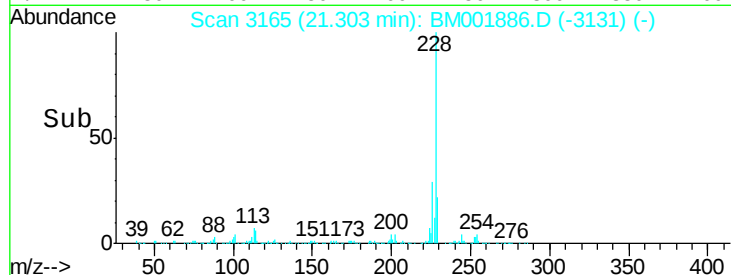
228 100

226 30.2 23.0 34.4

229 25.7 15.4 23.2#



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



#87

Benzo(b)fluoranthene

Concen: 14.25 ng/ul

RT: 22.83 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

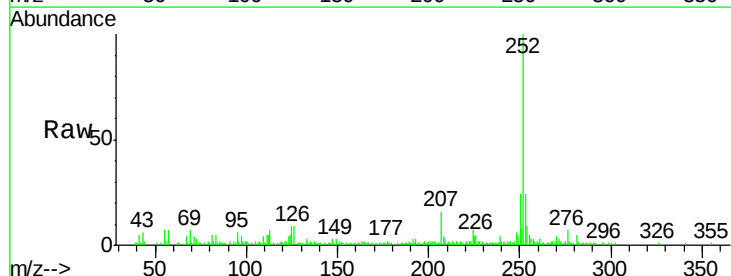
Tgt Ion:252 Resp: 174993

Ion Ratio Lower Upper

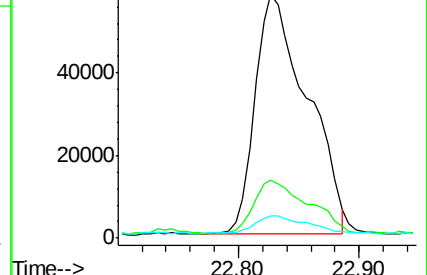
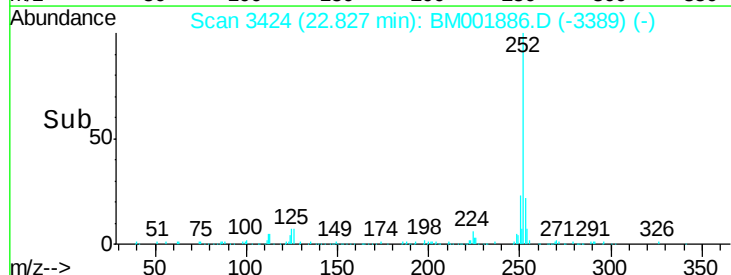
252 100

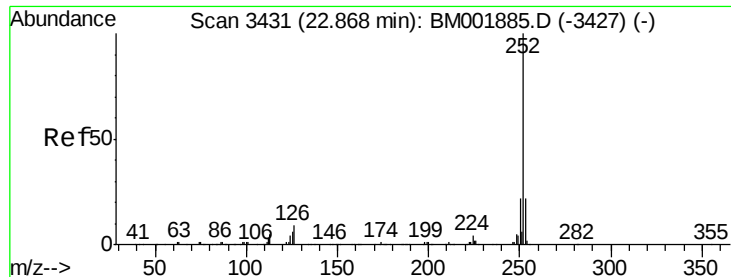
253 23.6 17.8 26.6

125 9.3 5.3 7.9#



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





#88

Benzo(k)fluoranthene

Concen: 12.70 ng/ul

RT: 22.83 min Scan# 3424

Delta R.T. -0.04 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

Instrument :

BNA_M

ClientSampleId :

G93K5DL

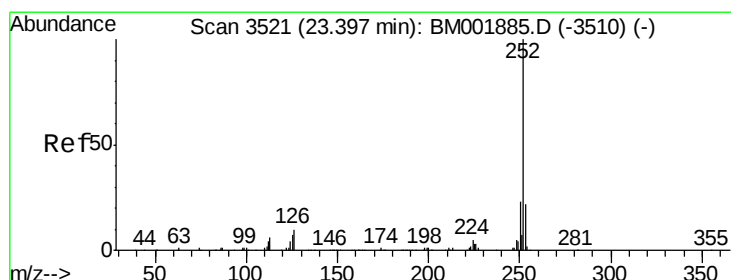
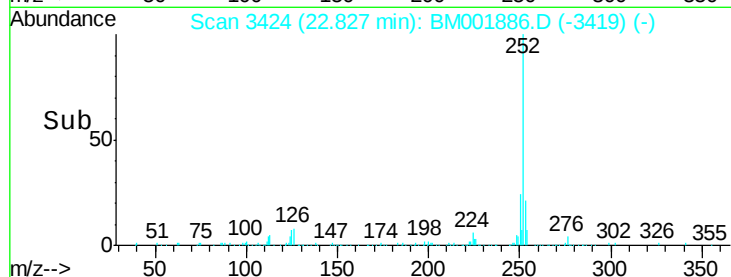
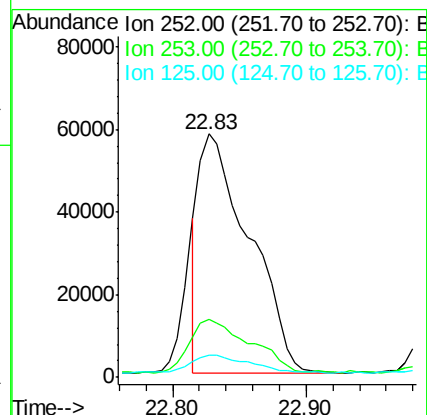
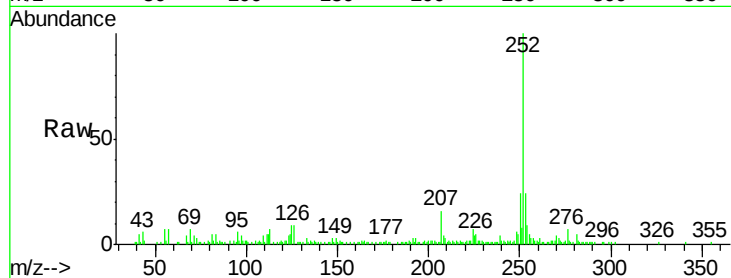
Tgt Ion:252 Resp: 150749

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 9.3 5.3 7.9#



#90

Benzo(a)pyrene

Concen: 11.57 ng/ul

RT: 23.40 min Scan# 3521

Delta R.T. 0.00 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

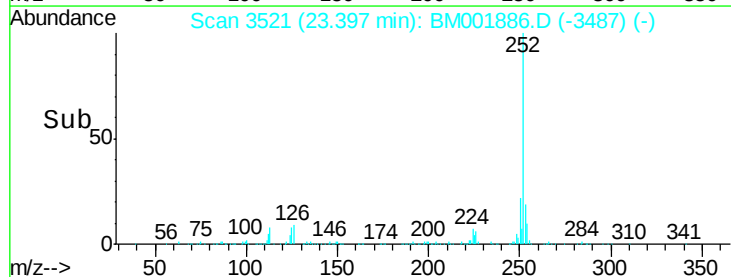
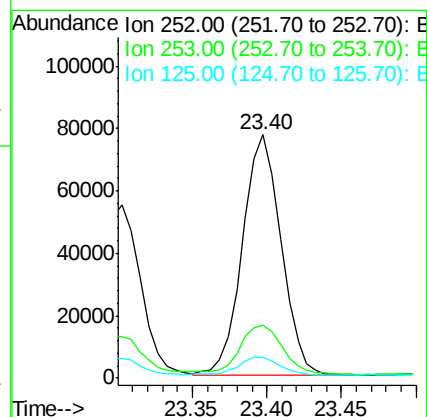
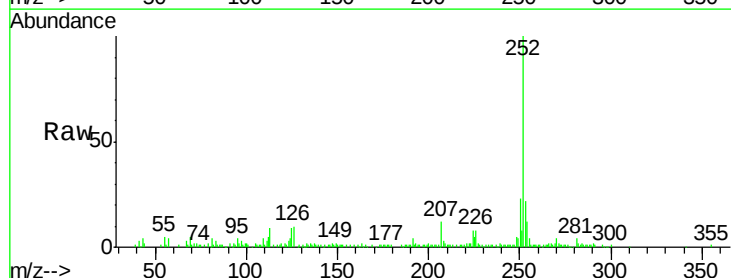
Tgt Ion:252 Resp: 138242

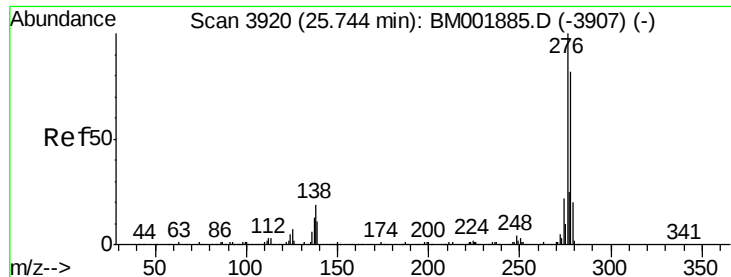
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 8.6 6.0 9.0





#91

Indeno(1,2,3-cd)pyrene

Concen: 5.71 ng/ul

RT: 25.74 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

Instrument :

BNA_M

ClientSampleId :

G93K5DL

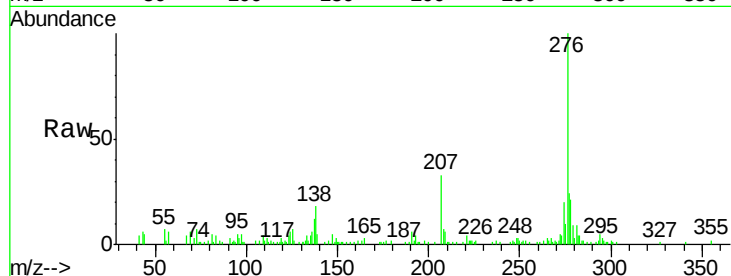
Tgt Ion:276 Resp: 80947

Ion Ratio Lower Upper

276 100

138 17.7 14.7 22.1

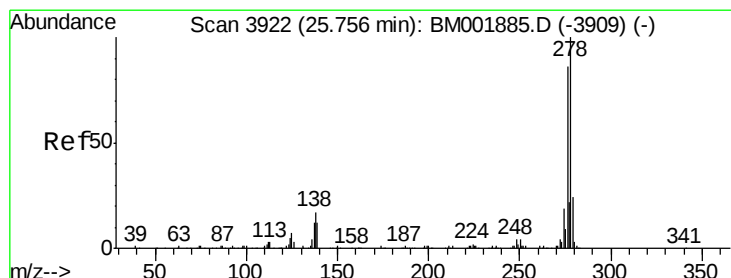
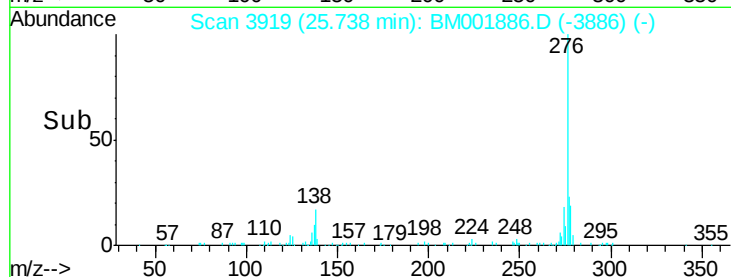
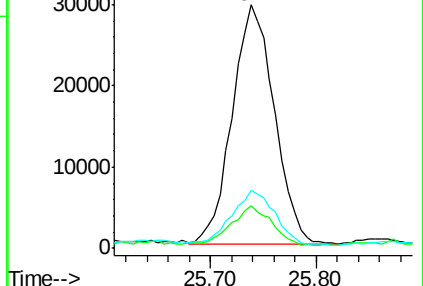
277 23.8 19.7 29.5



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



#92

Dibenzo(a,h)anthracene

Concen: 1.85 ng/ul

RT: 25.74 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

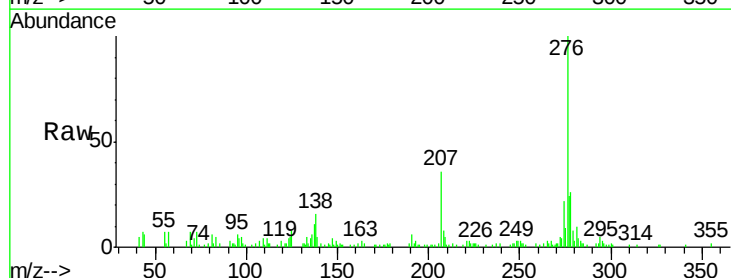
Tgt Ion:278 Resp: 22116

Ion Ratio Lower Upper

278 100

139 18.8 9.2 13.8#

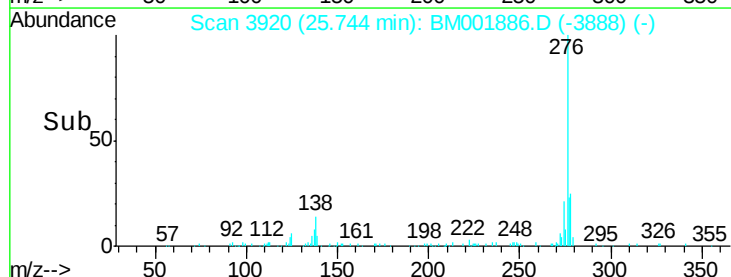
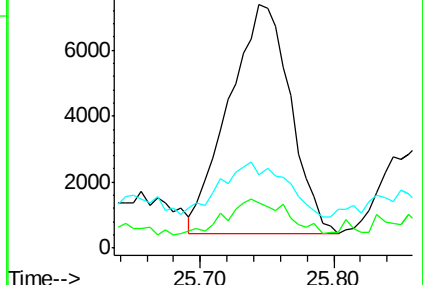
279 30.2 19.1 28.7#

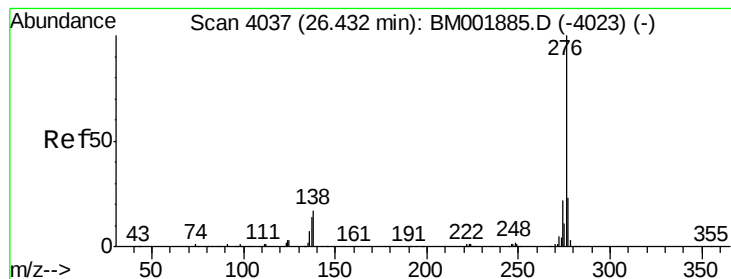


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 7.66 ng/ul

RT: 26.44 min Scan# 4038

Delta R.T. 0.01 min

Lab File: BM001886.D

Acq: 09 Jul 2015 15:28

Instrument :

BNA_M

ClientSampleId :

G93K5DL

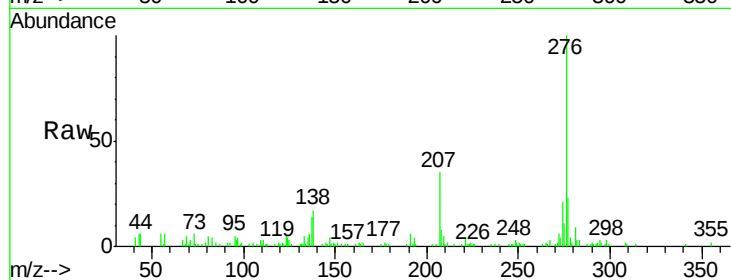
Tgt Ion: 276 Resp: 91276

Ion Ratio Lower Upper

276 100

138 17.1 12.6 19.0

277 23.0 18.7 28.1



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

