

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002791.D
 Acq On : 30 Sep 2015 20:47
 Operator : UM/IZ
 Sample : G3798-12RX
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G66

Quant Time: Oct 01 07:08:46 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 01 07:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	87372	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	380748	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	190432	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	345306	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	267703	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	283600	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	5805	3.09	ng/uL	0.00
5) Phenol-d5	7.82	99	120698	18.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	70439	18.91	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	115373	18.72	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	86398	15.83	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	55244	19.03	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	58403	19.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	98899	18.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	83494	12.95	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	289123	20.18	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	382150	19.99	ng/ul	0.00
52) 4-Nitrophenol-d4	15.47	143	36536	14.36	ng/ul	0.00
58) Fluorene-d10	16.27	176	247121	19.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	11379	6.76	ng/ul	0.00
71) Anthracene-d10	18.11	188	329627	20.00	ng/ul	0.00
79) Pyrene-d10	20.34	212	275614	22.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	292485	20.16	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.45	88	13642	6.56 ng/uL#	1
28) Naphthalene	11.61	128	40802	2.10 ng/ul	98
34) 2-Methylnaphthalene	13.17	142	24607	1.82 ng/ul	98
35) 1-Methylnaphthalene	13.39	142	17184	1.31 ng/ul	98
45) Dimethylphthalate	14.72	163	188888	12.97 ng/ul	100
48) Acenaphthylene	15.03	152	63991	3.17 ng/ul	99
54) Dibenzofuran	15.69	168	21591	1.20 ng/ul	100
59) Fluorene	16.33	166	17557	1.19 ng/ul#	98
70) Phenanthrene	18.05	178	385519	19.30 ng/ul	99
72) Anthracene	18.14	178	129481	6.37 ng/ul	99
75) Carbazole	18.40	167	39490	2.22 ng/ul	97
77) Fluoranthene	20.01	202	749392	36.34 ng/ul	99
80) Pyrene	20.37	202	680567	40.02 ng/ul	99
83) Benzo(a)anthracene	22.08	228	406887	25.57 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.92	149	21998	1.91 ng/ul#	98
85) Chrysene	22.08	228	404843	26.97 ng/ul	98
88) Benzo(b)fluoranthene	23.90	252	615335	36.12 ng/ul	97
89) Benzo(k)fluoranthene	23.90	252	137867	8.55 ng/ul#	96
91) Benzo(a)pyrene	24.59	252	441624	26.99 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	27.43	276	340517	17.84 ng/ul#	90
93) Dibenzo(a,h)anthracene	27.42	278	88471	5.49 ng/ul#	69
94) Benzo(g,h,i)perylene	28.28	276	317011	19.72 ng/ul	97

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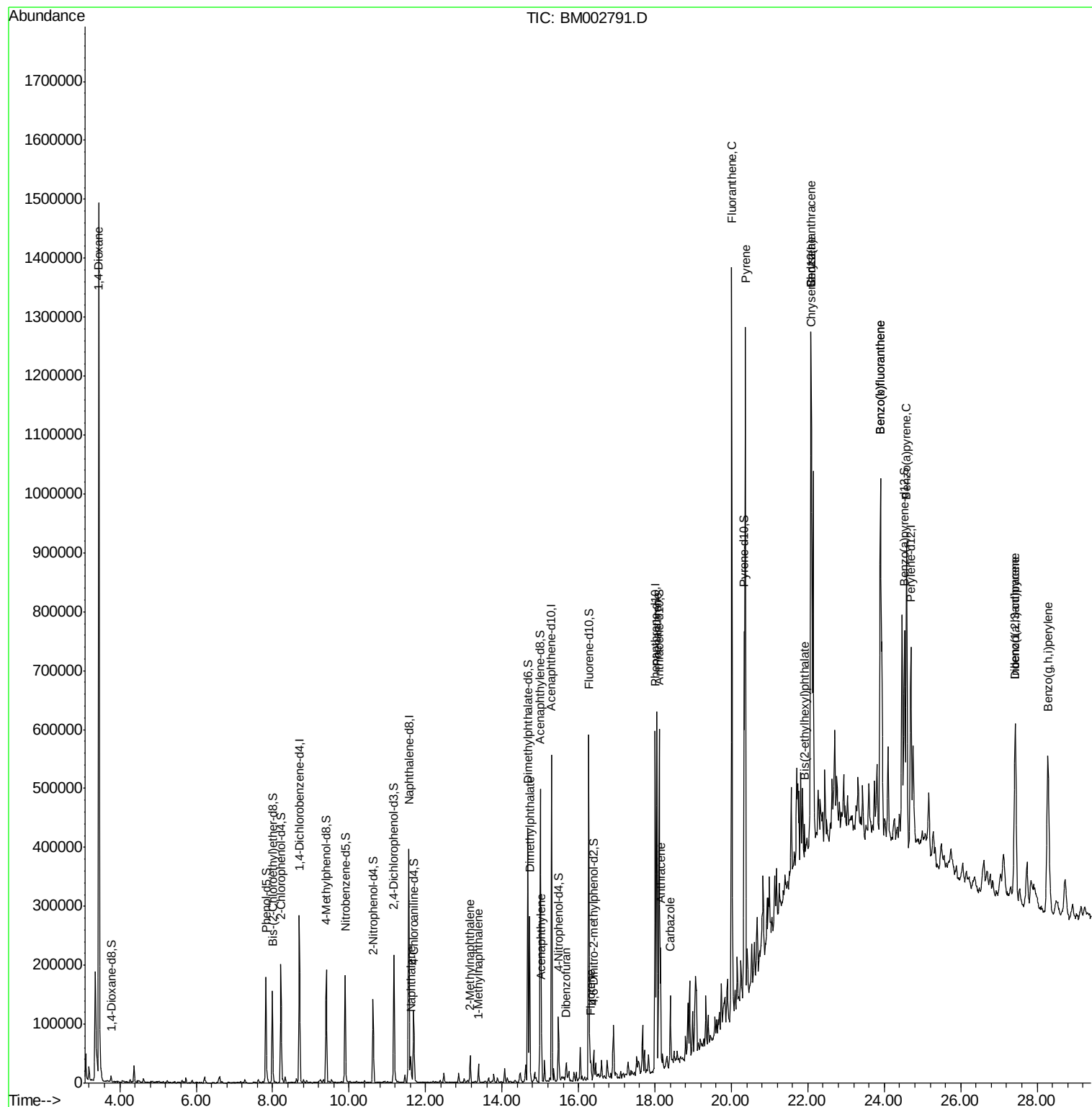
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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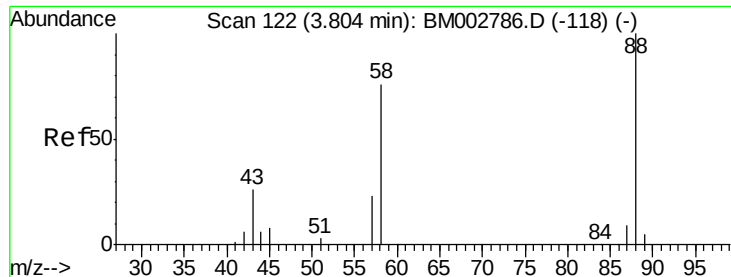
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 6.56 ng/uL

RT: 3.45 min Scan# 62

Delta R.T. -0.35 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Instrument :

BNA_M

ClientSampleId :

D9G66

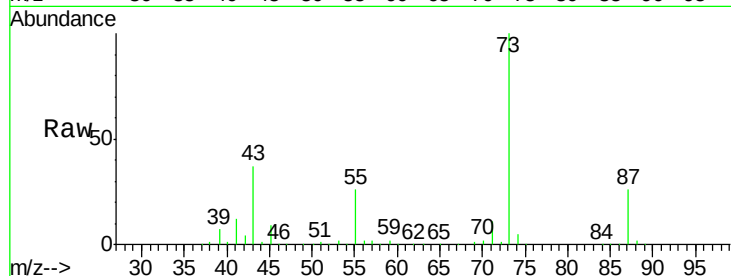
Tgt Ion: 88 Resp: 13642

Ion Ratio Lower Upper

88 100

43 2402.9 26.2 39.4#

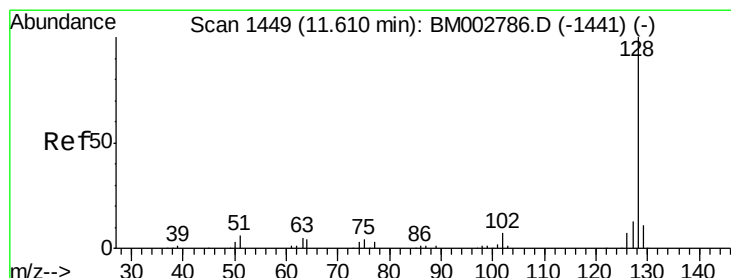
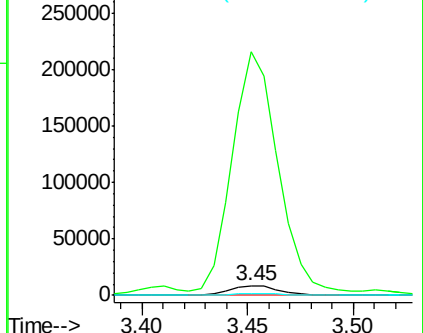
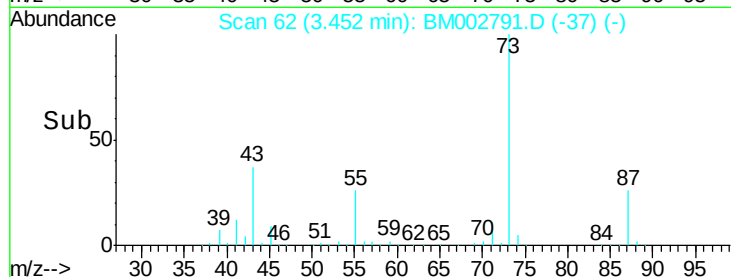
58 22.0 58.5 87.7#



Abundance Ion 88.00 (87.70 to 88.70): BM002791.D (-37) (-)

Ion 43.00 (42.70 to 43.70): BM002791.D (-37) (-)

Ion 58.00 (57.70 to 58.70): BM002791.D (-37) (-)



#28

Naphthalene

Concen: 2.10 ng/uL

RT: 11.61 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

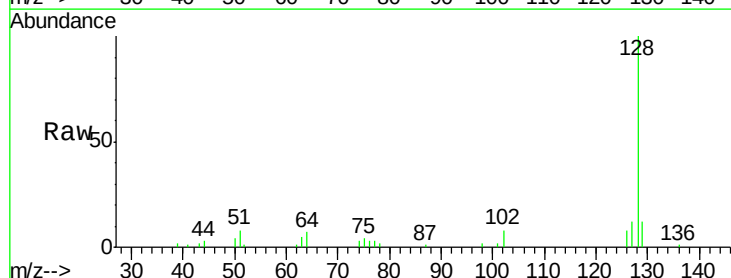
Tgt Ion: 128 Resp: 40802

Ion Ratio Lower Upper

128 100

129 12.1 8.7 13.1

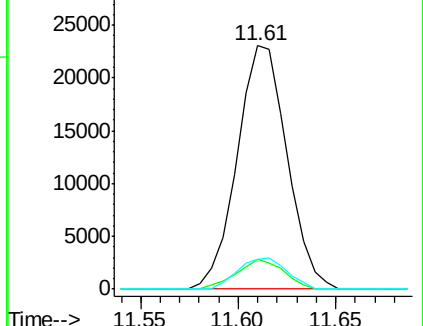
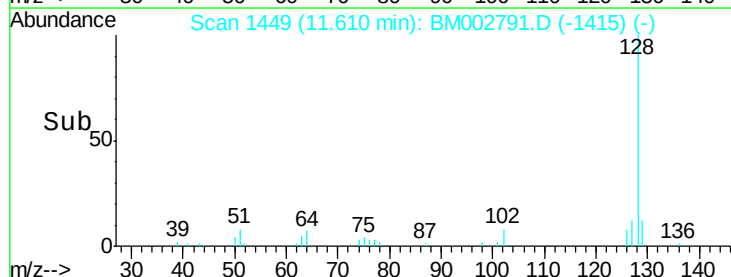
127 12.3 9.9 14.9

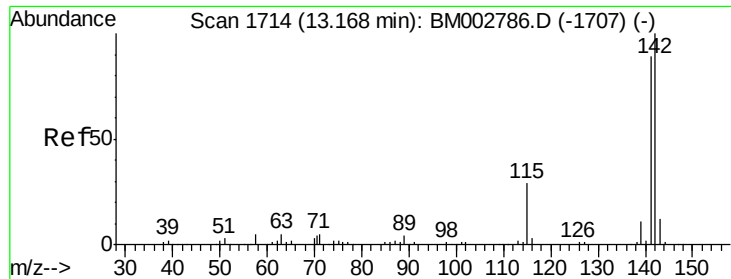


Abundance Ion 128.00 (127.70 to 128.70): BM002791.D (-1415) (-)

Ion 129.00 (128.70 to 129.70): BM002791.D (-1415) (-)

Ion 127.00 (126.70 to 127.70): BM002791.D (-1415) (-)

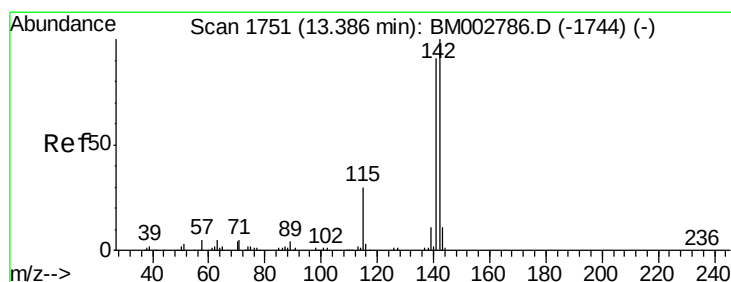
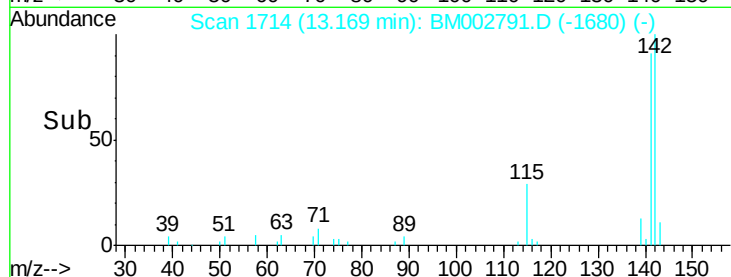
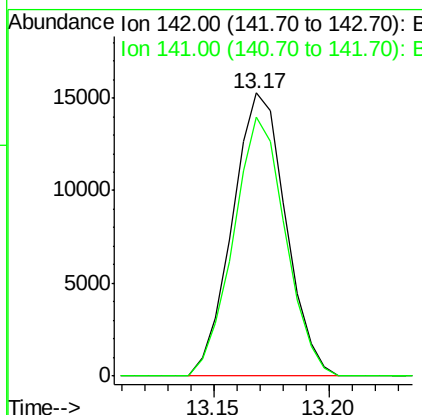
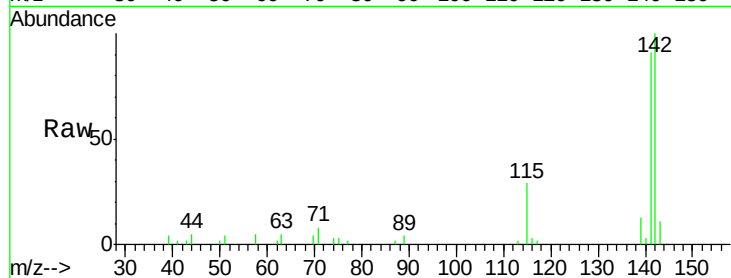




#34
 2-Methylnaphthalene
 Concen: 1.82 ng/ul
 RT: 13.17 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: BM002791.D
 Acq: 30 Sep 2015 20:47

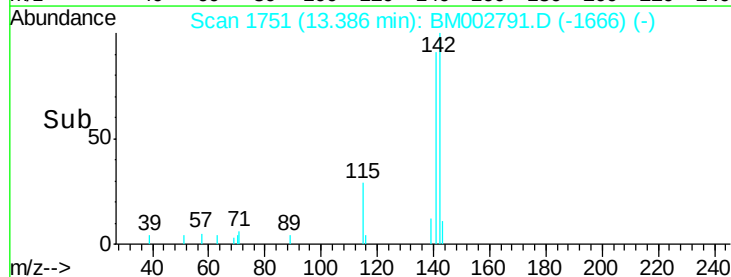
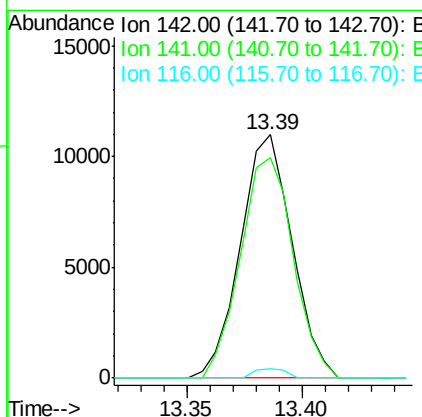
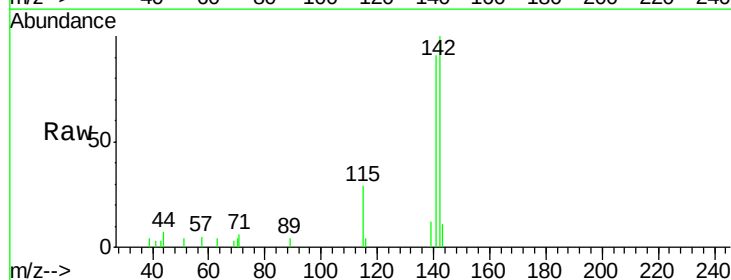
Instrument :
 BNA_M
 ClientSampleId :
 D9G66

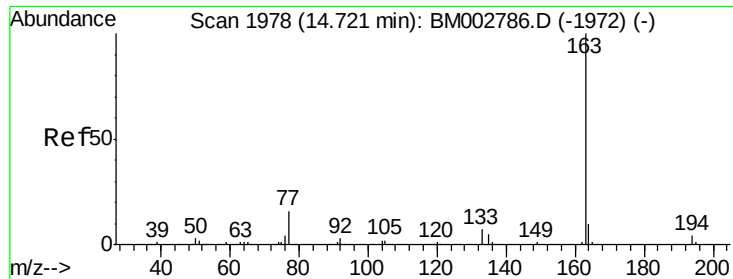
Tgt Ion:142 Resp: 24607
 Ion Ratio Lower Upper
 142 100
 141 91.3 71.2 106.8



#35
 1-Methylnaphthalene
 Concen: 1.31 ng/ul
 RT: 13.39 min Scan# 1751
 Delta R.T. 0.00 min
 Lab File: BM002791.D
 Acq: 30 Sep 2015 20:47

Tgt Ion:142 Resp: 17184
 Ion Ratio Lower Upper
 142 100
 141 90.8 74.4 111.6
 116 3.9 2.6 4.0





#45

Dimethylphthalate

Concen: 12.97 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Instrument :

BNA_M

ClientSampleId :

D9G66

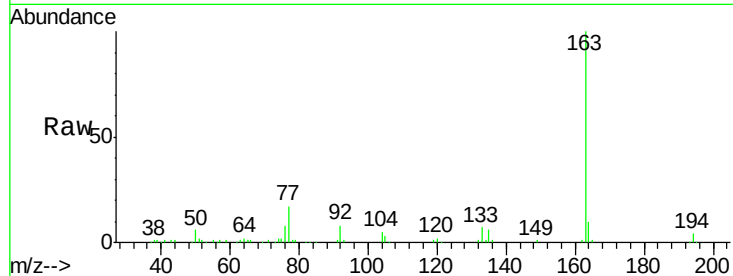
Tgt Ion:163 Resp: 188888

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

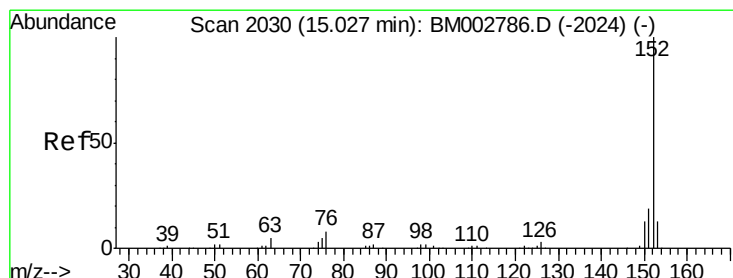
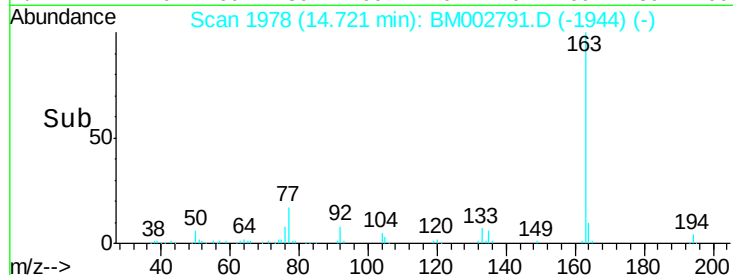
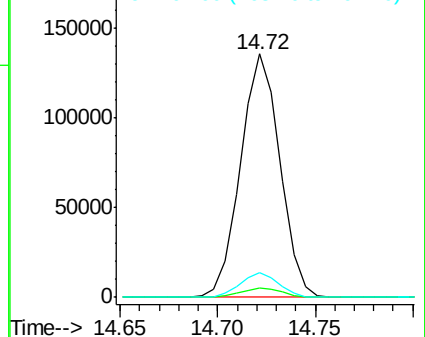
164 10.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 3.17 ng/ul

RT: 15.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

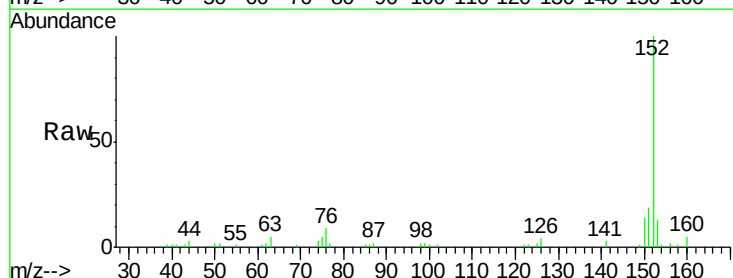
Tgt Ion:152 Resp: 63991

Ion Ratio Lower Upper

152 100

151 18.8 15.6 23.4

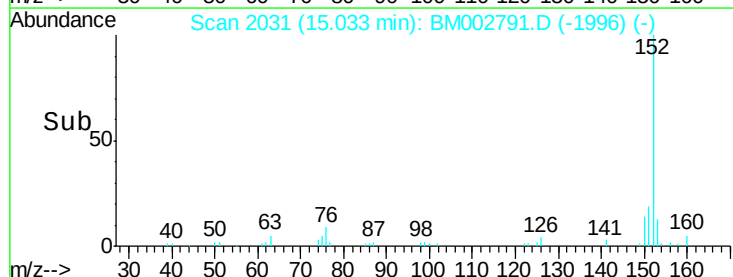
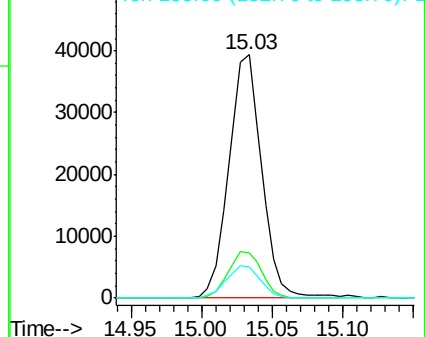
153 12.9 10.4 15.6

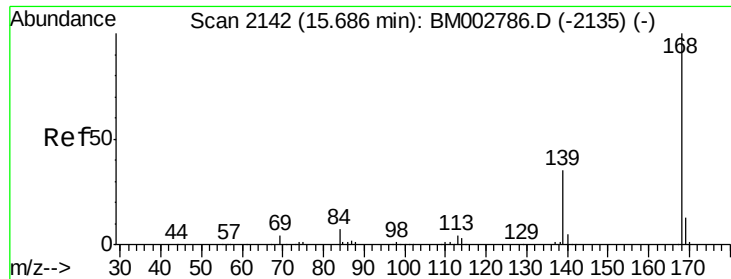


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#54

Dibenzenofuran

Concen: 1.20 ng/ul

RT: 15.69 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Instrument :

BNA_M

ClientSampleId :

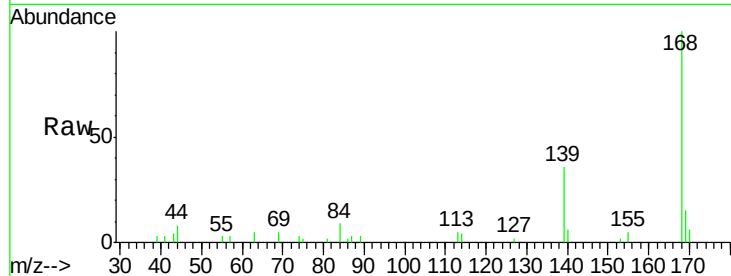
D9G66

Tgt Ion:168 Resp: 21591

Ion Ratio Lower Upper

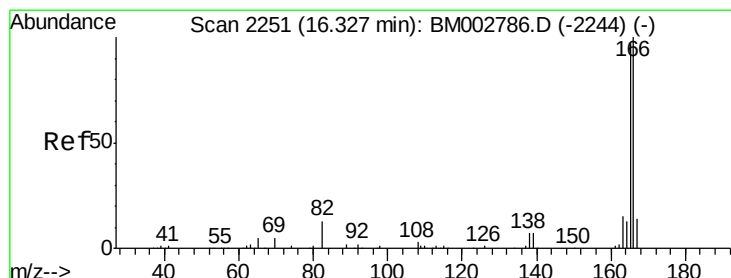
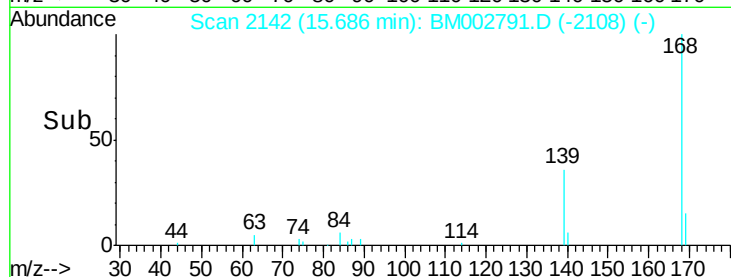
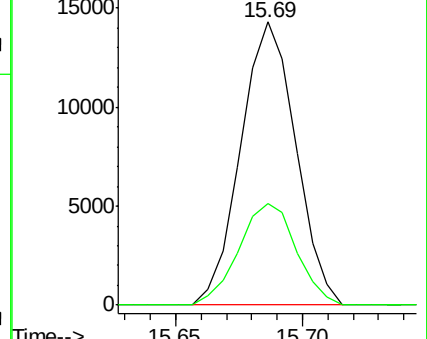
168 100

139 35.9 28.7 43.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 1.19 ng/ul

RT: 16.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

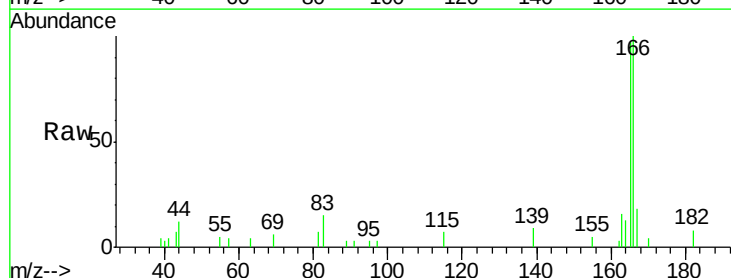
Tgt Ion:166 Resp: 17557

Ion Ratio Lower Upper

166 100

165 96.6 78.0 117.0

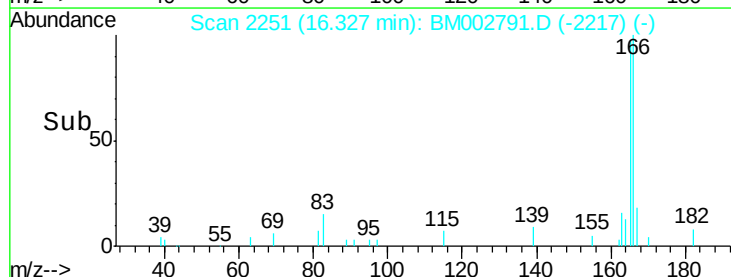
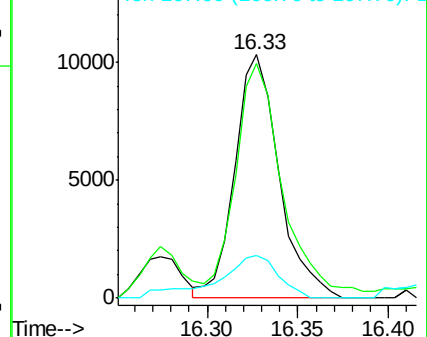
167 17.7 10.6 16.0#

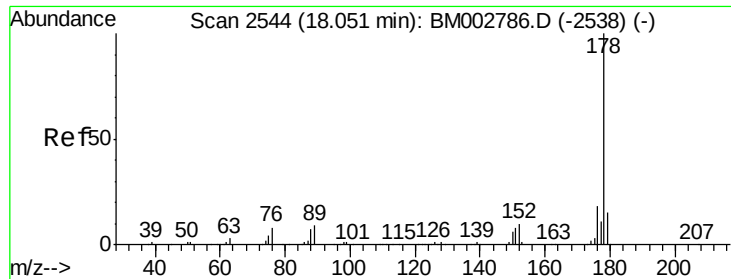


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 19.30 ng/ul

RT: 18.05 min Scan# 2544

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

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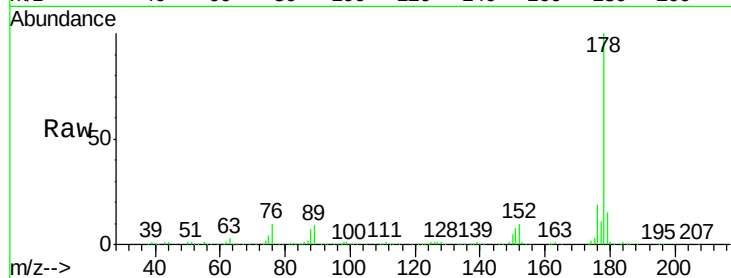
Tgt Ion:178 Resp: 385519

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

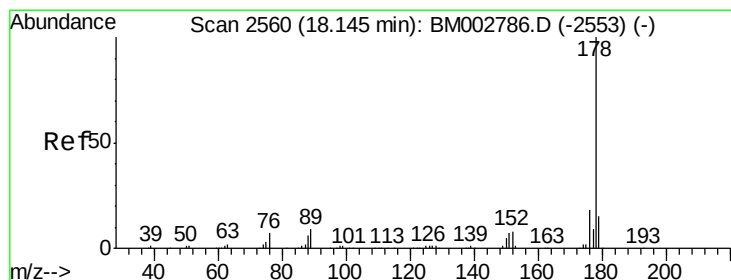
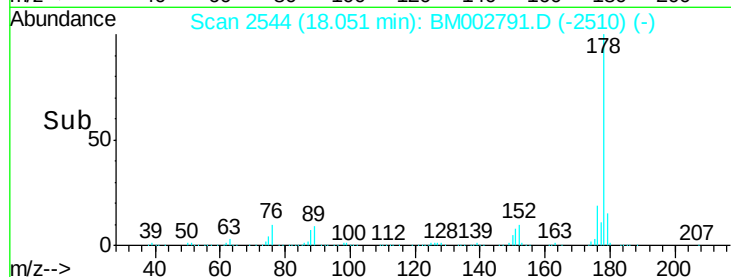
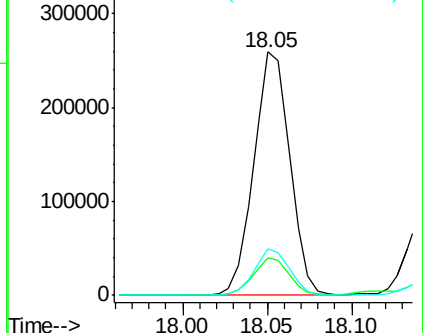
176 18.8 14.6 22.0



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



#72

Anthracene

Concen: 6.37 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

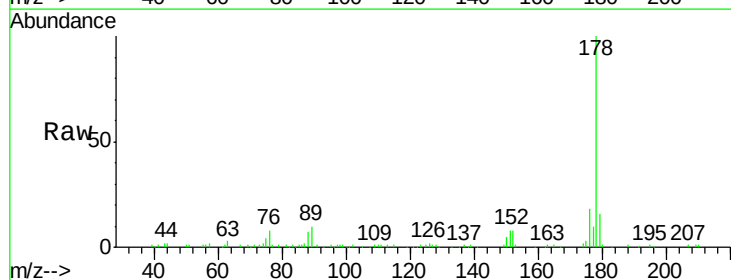
Tgt Ion:178 Resp: 129481

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

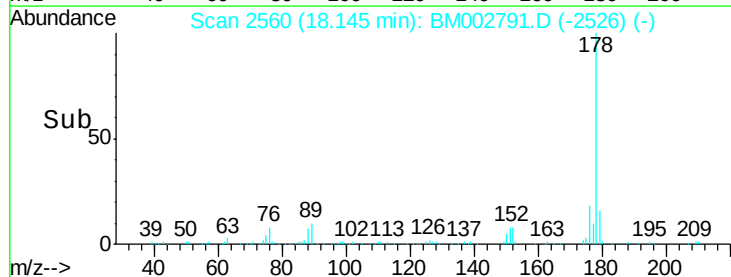
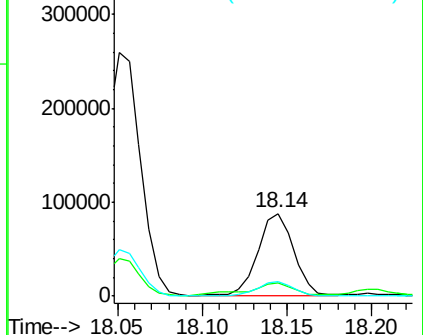
176 18.2 14.4 21.6

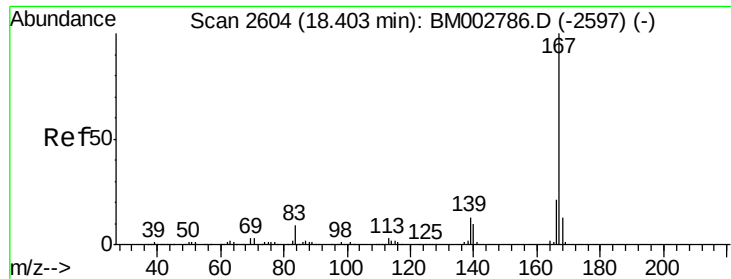


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

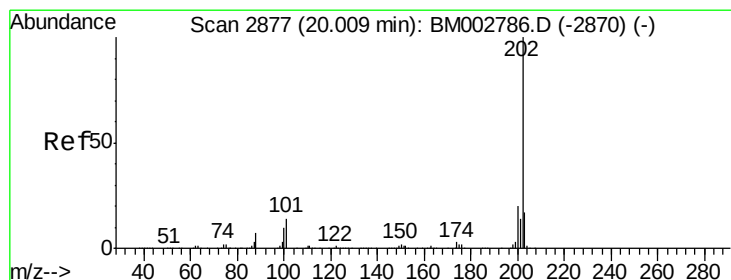
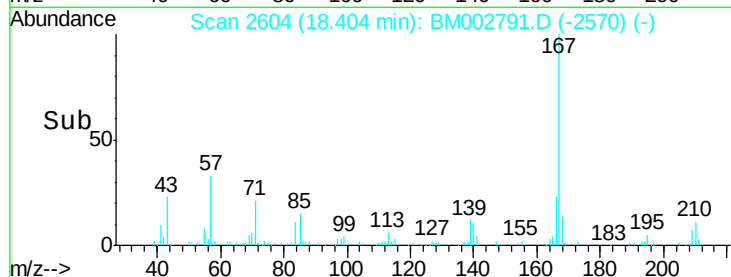
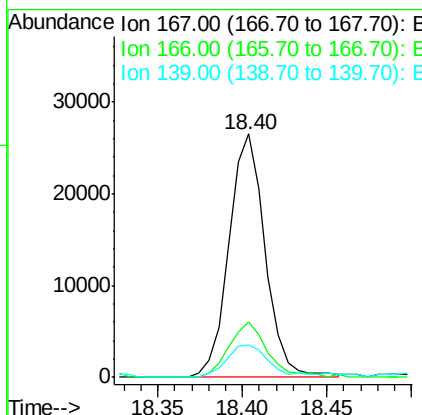
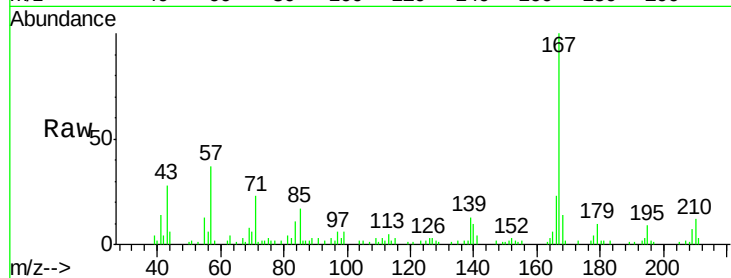




#75
 Carbazole
 Concen: 2.22 ng/ul
 RT: 18.40 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: BM002791.D
 Acq: 30 Sep 2015 20:47

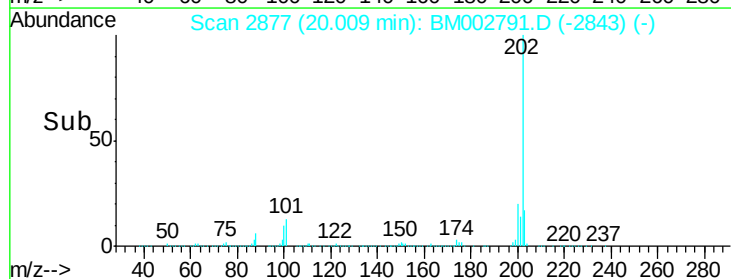
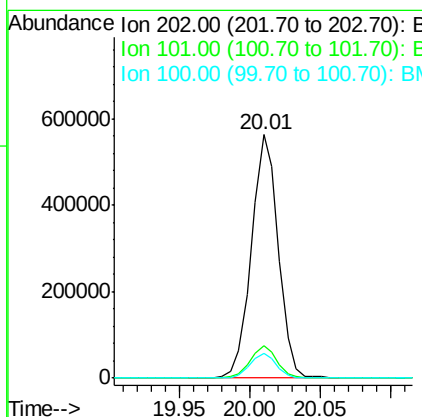
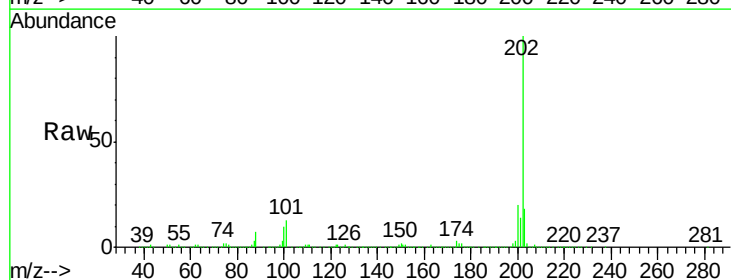
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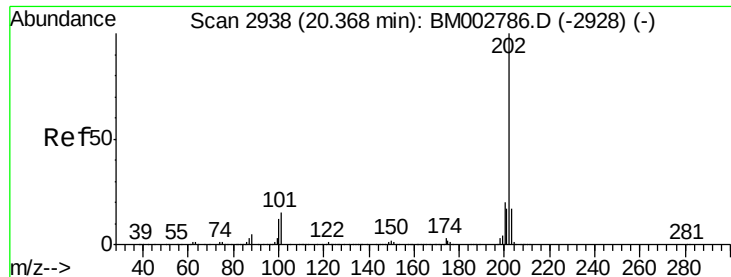
Tgt Ion:167 Resp: 39490
 Ion Ratio Lower Upper
 167 100
 166 22.6 16.8 25.2
 139 13.4 10.1 15.1



#77
 Fluoranthene
 Concen: 36.34 ng/ul
 RT: 20.01 min Scan# 2877
 Delta R.T. 0.00 min
 Lab File: BM002791.D
 Acq: 30 Sep 2015 20:47

Tgt Ion:202 Resp: 749392
 Ion Ratio Lower Upper
 202 100
 101 13.3 11.0 16.4
 100 10.2 8.3 12.5





#80

Pyrene

Concen: 40.02 ng/ul

RT: 20.37 min Scan# 2938

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

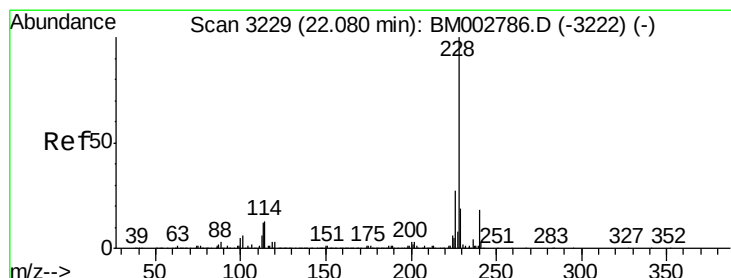
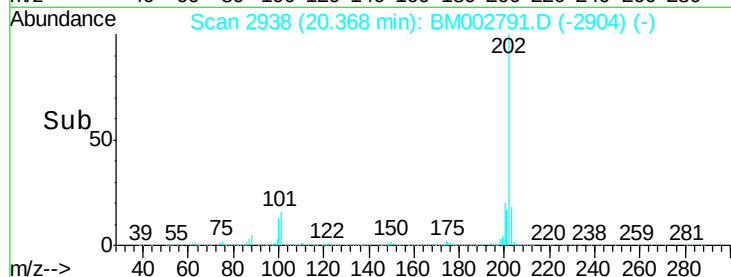
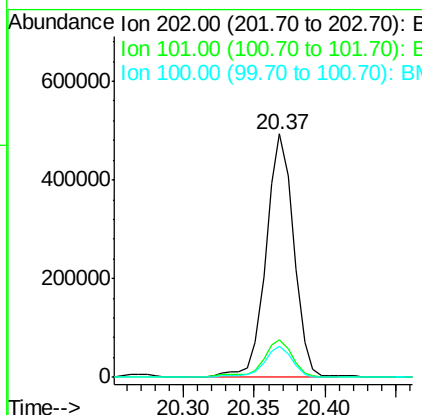
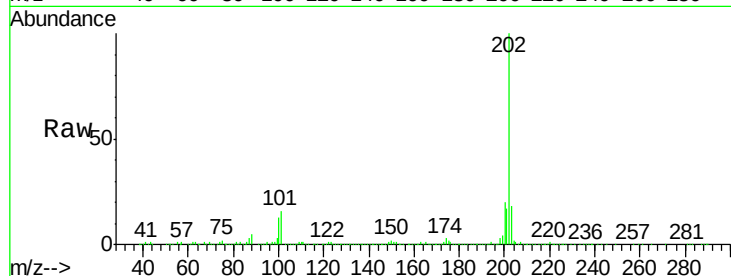
Instrument :

BNA_M

ClientSampleId :

D9G66

Tgt Ion:	202	Resp:	680567
Ion	Ratio	Lower	Upper
202	100		
101	15.6	12.1	18.1
100	12.8	10.2	15.4



#83

Benzo(a)anthracene

Concen: 25.57 ng/ul

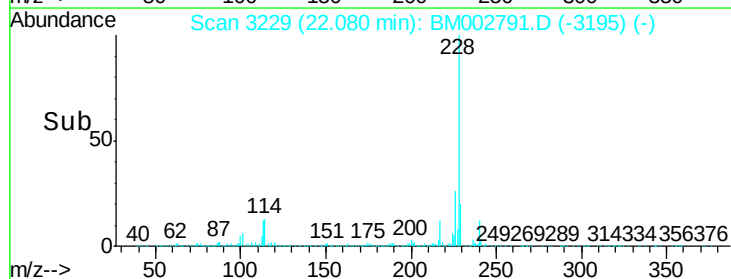
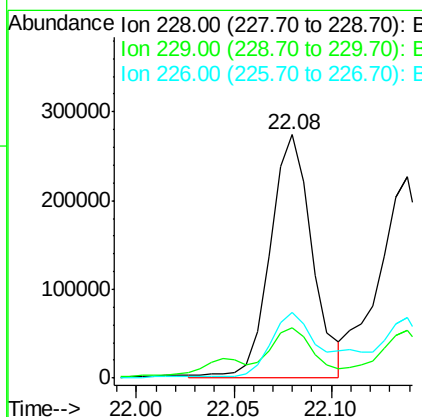
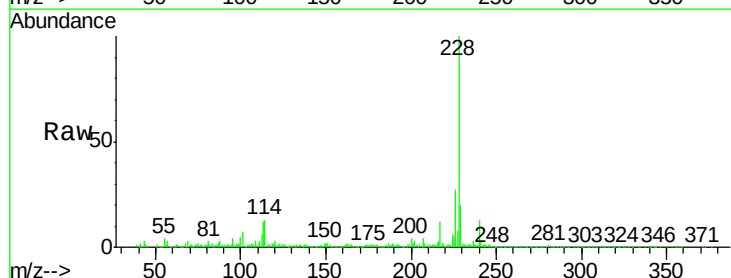
RT: 22.08 min Scan# 3229

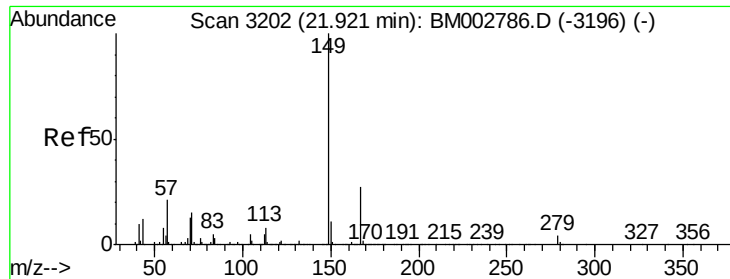
Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Tgt Ion:	228	Resp:	406887
Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.1	24.1
226	26.9	20.9	31.3

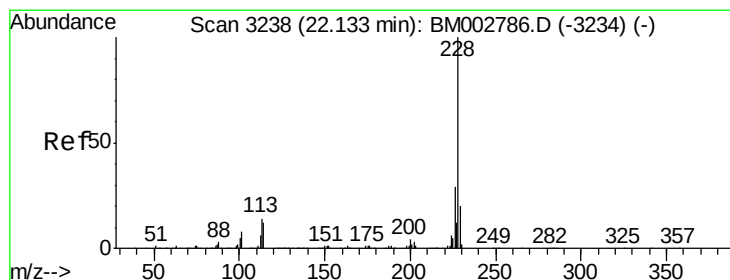
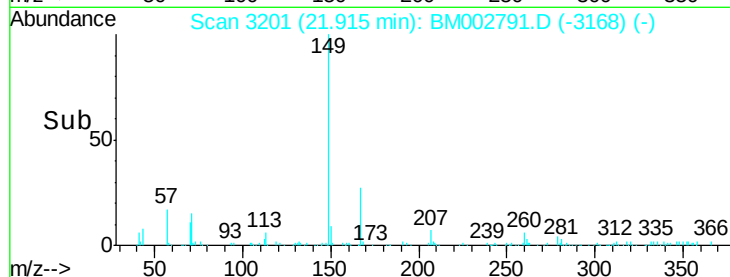
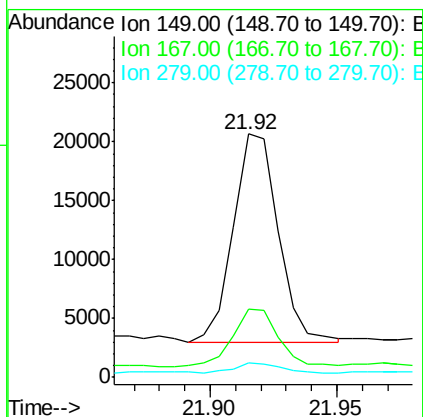
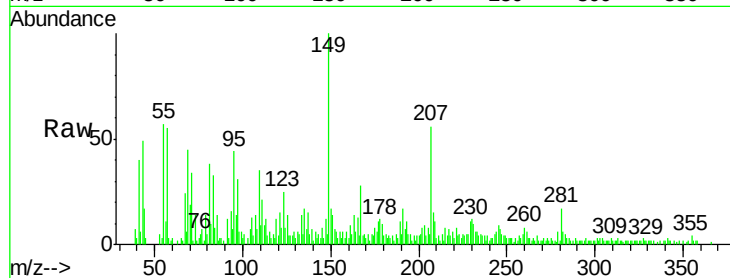




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.91 ng/ul
 RT: 21.92 min Scan# 3201
 Delta R.T. -0.01 min
 Lab File: BM002791.D
 Acq: 30 Sep 2015 20:47

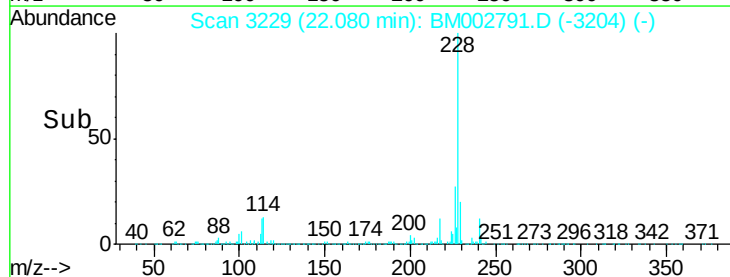
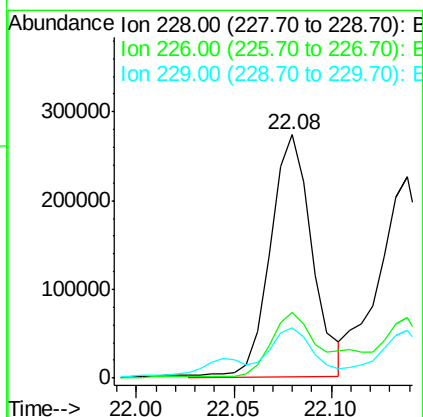
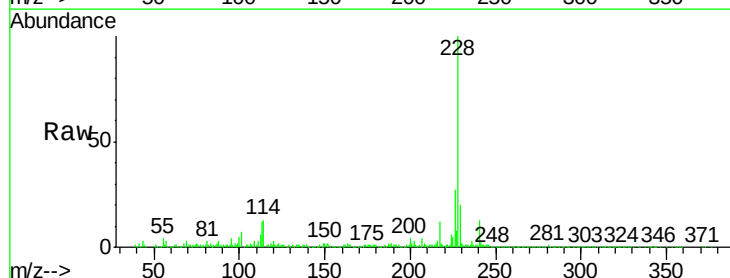
Instrument :
 BNA_M
 ClientSampleId :
 D9G66

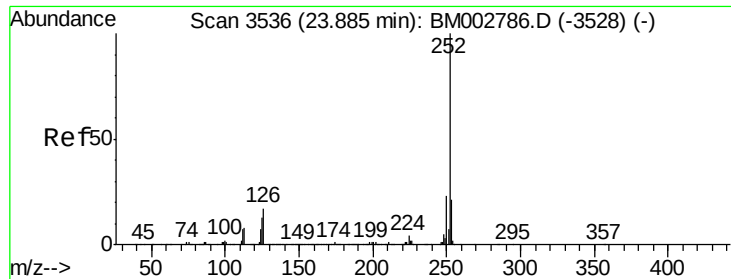
Tgt Ion:149 Resp: 21998
 Ion Ratio Lower Upper
 149 100
 167 28.1 21.7 32.5
 279 5.8 3.0 4.6#



#85
 Chrysene
 Concen: 26.97 ng/ul
 RT: 22.08 min Scan# 3229
 Delta R.T. -0.05 min
 Lab File: BM002791.D
 Acq: 30 Sep 2015 20:47

Tgt Ion:228 Resp: 404843
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.4 33.6
 229 20.5 15.4 23.2





#88

Benzo(b)fluoranthene

Concen: 36.12 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. 0.01 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Instrument :

BNA_M

ClientSampleId :

D9G66

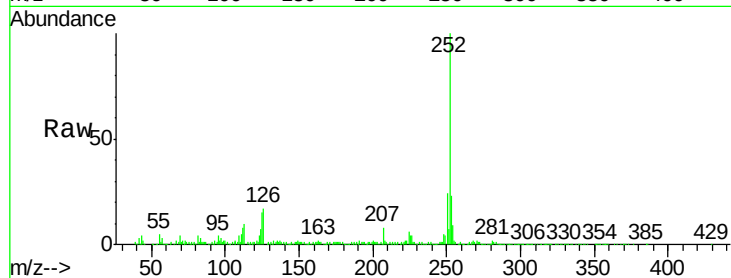
Tgt Ion:252 Resp: 615335

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

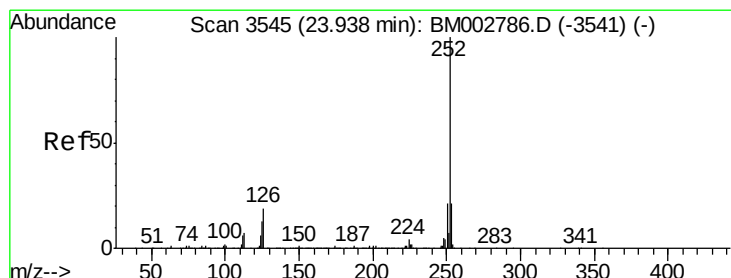
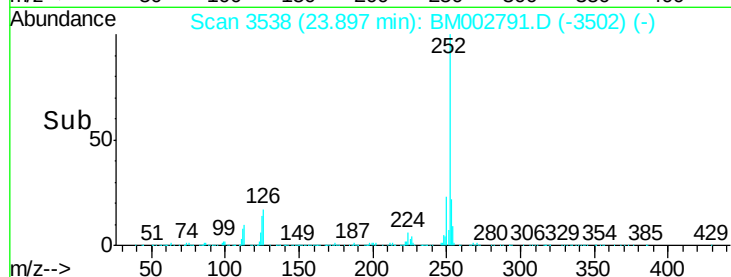
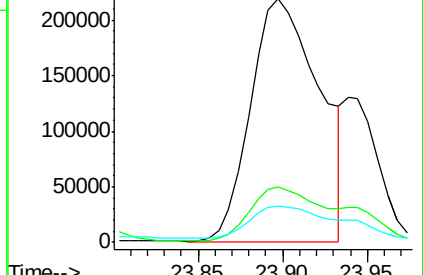
125 15.1 10.6 15.8



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: 8.55 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. -0.04 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

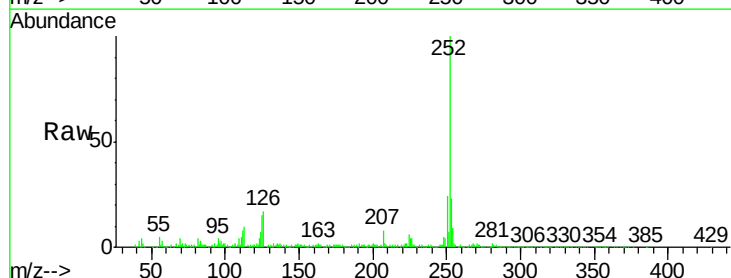
Tgt Ion:252 Resp: 137867

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

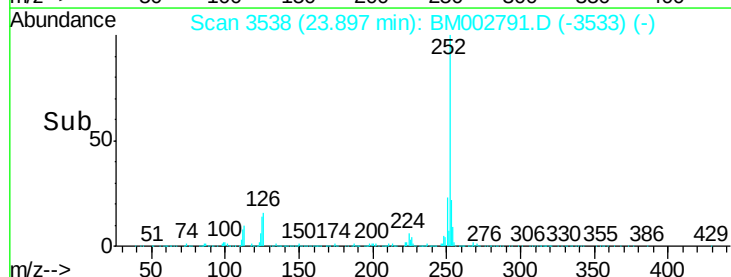
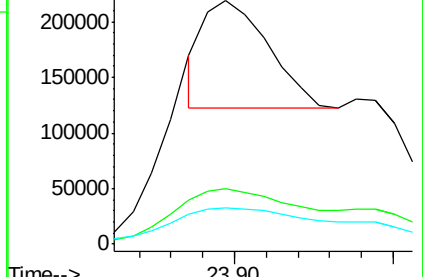
125 15.1 10.0 15.0#

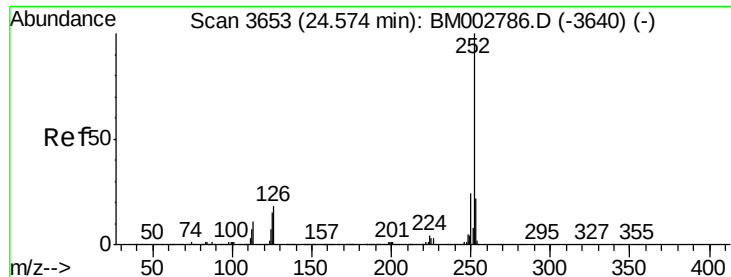


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 26.99 ng/ul

RT: 24.59 min Scan# 3655

Delta R.T. 0.01 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Instrument :

BNA_M

ClientSampleId :

D9G66

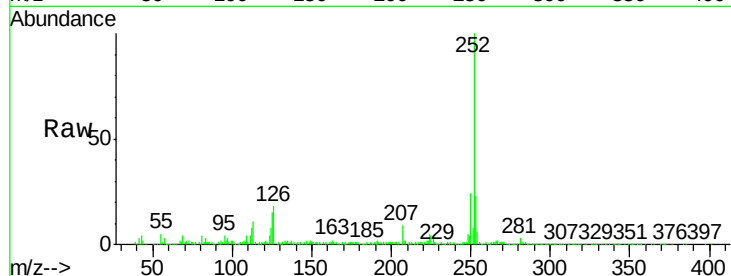
Tgt Ion:252 Resp: 441624

Ion Ratio Lower Upper

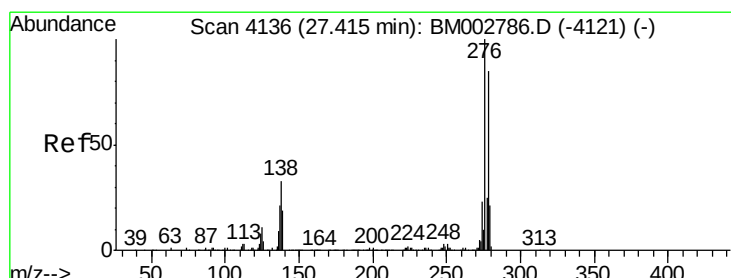
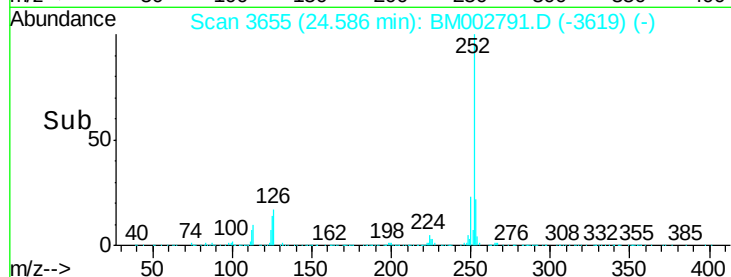
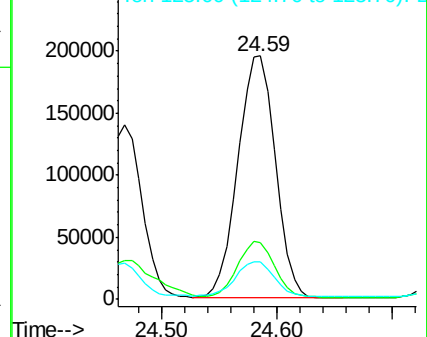
252 100

253 23.3 17.4 26.0

125 15.4 11.4 17.2



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 17.84 ng/ul

RT: 27.43 min Scan# 4139

Delta R.T. 0.02 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

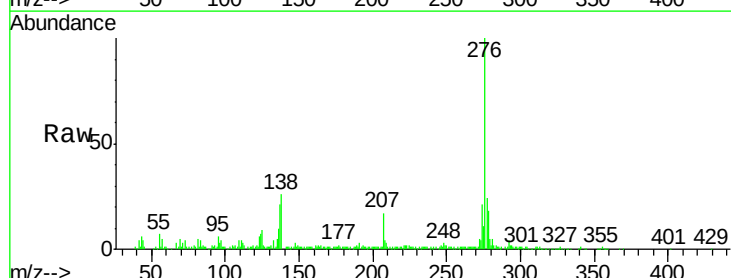
Tgt Ion:276 Resp: 340517

Ion Ratio Lower Upper

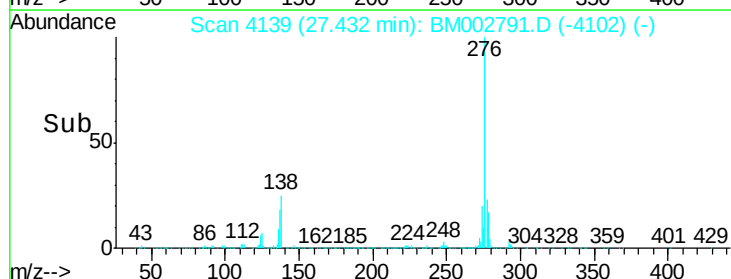
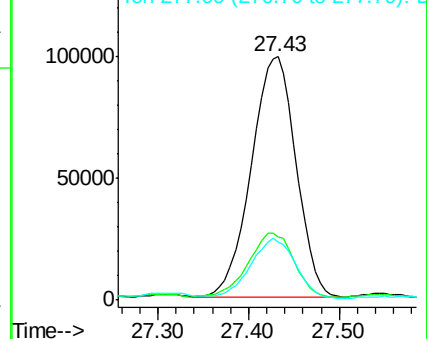
276 100

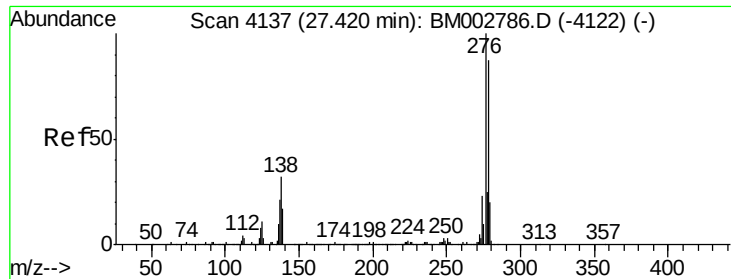
138 26.1 27.7 41.5#

277 23.8 20.2 30.4



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





#93

Dibenzo(a,h)anthracene

Concen: 5.49 ng/ul

RT: 27.42 min Scan# 4137

Delta R.T. 0.00 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Instrument :

BNA_M

ClientSampleId :

D9G66

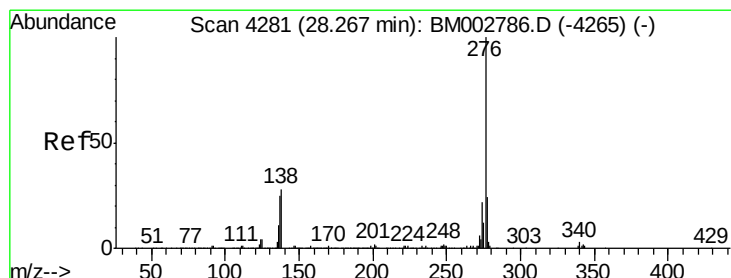
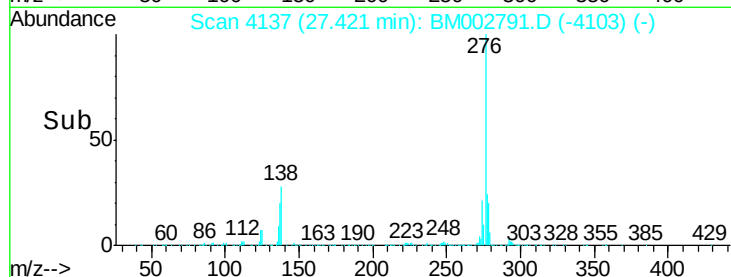
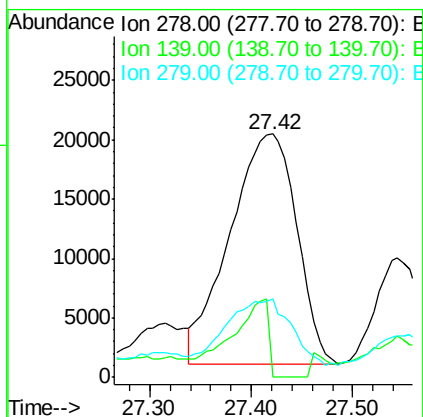
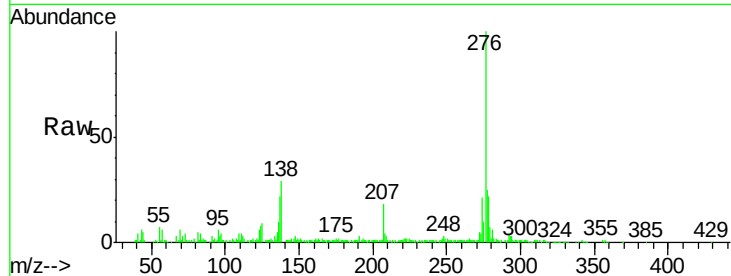
Tgt Ion: 278 Resp: 88471

Ion Ratio Lower Upper

278 100

139 0.0 17.0 25.6#

279 32.3 19.0 28.6#



#94

Benzo(g,h,i)perylene

Concen: 19.72 ng/ul

RT: 28.28 min Scan# 4283

Delta R.T. 0.01 min

Lab File: BM002791.D

Acq: 30 Sep 2015 20:47

Tgt Ion: 276 Resp: 317011

Ion Ratio Lower Upper

276 100

138 28.7 21.8 32.8

277 24.8 18.9 28.3

