

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001864.D
 Acq On : 07 Jul 2015 12:30
 Operator : TP/UM
 Sample : G2861-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L8

Manual Integrations
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Quant Time: Jul 08 04:04:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 02:11:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	64876	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	251015	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	146056	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	313368	20.00	ng/ul	0.01
77) Chrysene-d12	21.27	240	382124	20.00	ng/ul	0.01
85) Perylene-d12	23.50	264	393712	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	2715	2.00	ng/uL	0.00
5) Phenol-d5	6.83	99	59262	11.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	33322	11.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	50566	12.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	50481	12.62	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	22712	13.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	25983	13.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	52456	12.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	54445	13.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	141397	13.06	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	184385	12.99	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	19735	9.88	ng/ul	0.00
57) Fluorene-d10	15.32	176	134901	13.42	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.46	200	5951	3.11	ng/ul	0.02
70) Anthracene-d10	17.17	188	206437	14.14	ng/ul	0.01
78) Pyrene-d10	19.47	212	230776	14.26	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.36	264	239537	13.80	ng/ul	0.03

Target Compounds

					Qvalue
6) Phenol	6.86	94	8795	1.71 ng/ul	98
14) Acetophenone	8.49	105	16517	2.60 ng/ul	94
16) 4-Methylphenol	8.44	108	8341	2.02 ng/ul	91
28) Naphthalene	10.51	128	1068714	84.32 ng/ul	99
34) 2-Methylnaphthalene	12.13	142	367476	40.09 ng/ul	99
40) 1,1'-Biphenyl	13.15	154	149415	12.53 ng/ul	98
44) Dimethylphthalate	13.78	163	35568	3.00 ng/ul	99
47) Acenaphthylene	14.05	152	631254	43.61 ng/ul	99
49) Acenaphthene	14.39	153	149543	15.46 ng/ul	98
53) Dibenzofuran	14.72	168	456185	32.93 ng/ul	98
58) Fluorene	15.37	166	639460	55.46 ng/ul	98
69) Phenanthrene	17.13	178	5362276	315.58 ng/ul	98
71) Anthracene	17.21	178	1217927	69.81 ng/ul	99
74) Carbazole	17.48	167	233061	15.23 ng/ul	99
76) Fluoranthene	19.15	202	5345544	263.03 ng/ul	98
79) Pyrene	19.52	202	5008440	236.25 ng/ul	97
82) Benzo(a)anthracene	21.26	228	2093410m	93.76 ng/ul	
84) Chrysene	21.31	228	1669918	78.91 ng/ul	97
87) Benzo(b)fluoranthene	22.84	252	2124845	92.71 ng/ul#	99
88) Benzo(k)fluoranthene	22.87	252	775437m	35.01 ng/ul	
90) Benzo(a)pyrene	23.41	252	1820242	81.64 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.76	276	1224314	46.31 ng/ul	96
92) Dibenzo(a,h)anthracene	25.76	278	265711	11.91 ng/ul#	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.46	276	1147327	51.61	ng/ul	99

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

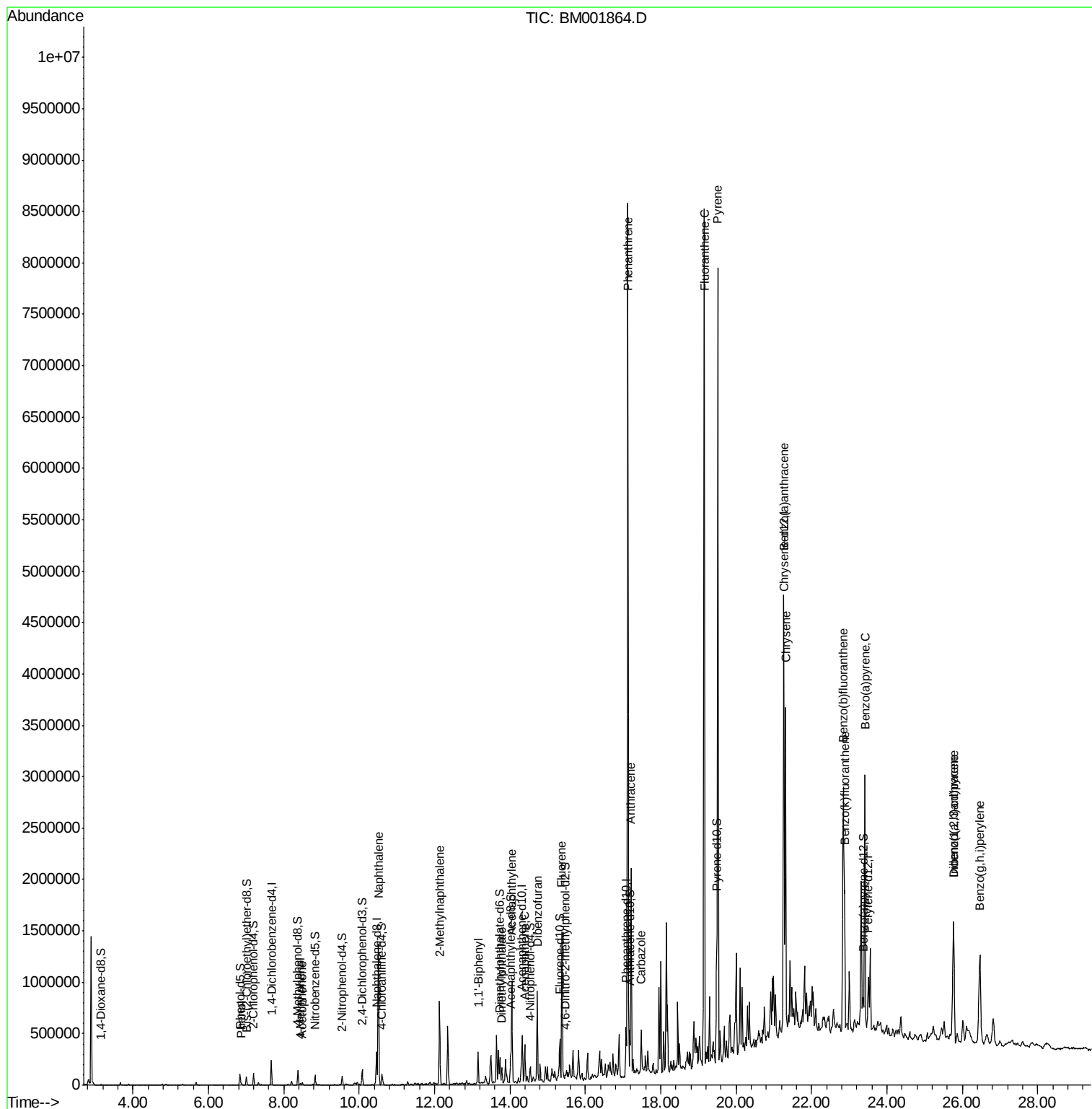
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001864.D
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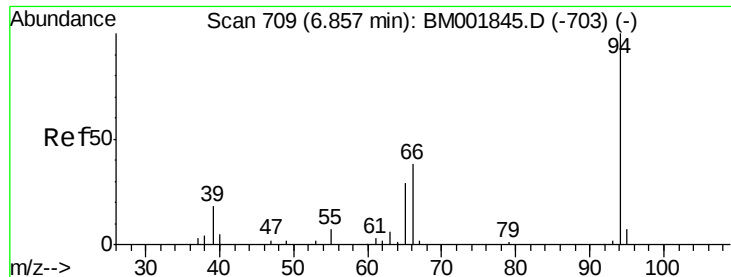
Instrument :
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#6

Phenol

Concen: 1.71 ng/ul

RT: 6.86 min Scan# 710

Delta R.T. 0.01 min

Lab File: BM001864.D

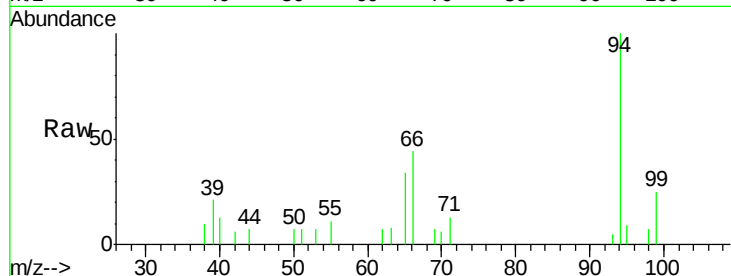
Acq: 07 Jul 2015 12:30

Instrument :

BNA_M

ClientSampleId :

G93L8



Tgt Ion: 94 Resp: 8795

Ion Ratio Lower Upper

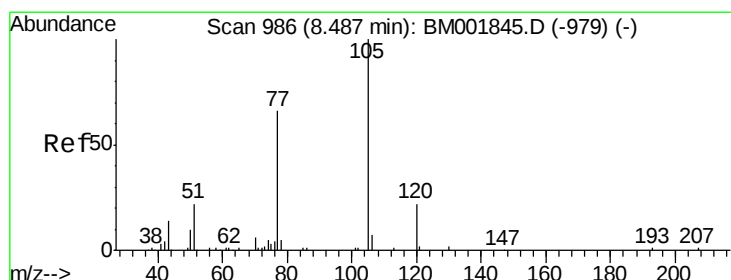
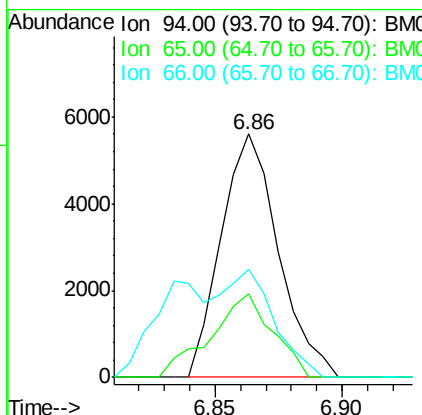
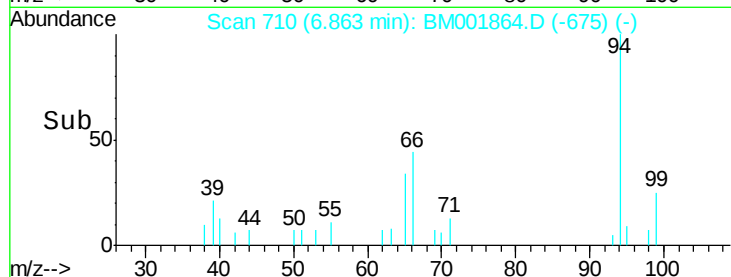
94 100

65 34.2 26.1 39.1

66 44.3 35.9 53.9

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#14

Acetophenone

Concen: 2.60 ng/ul

RT: 8.49 min Scan# 987

Delta R.T. 0.01 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

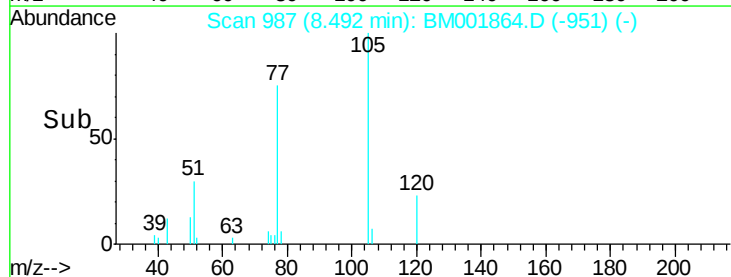
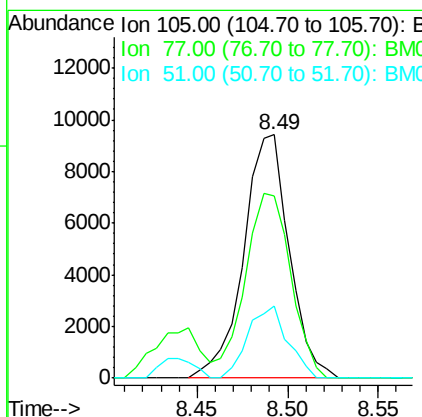
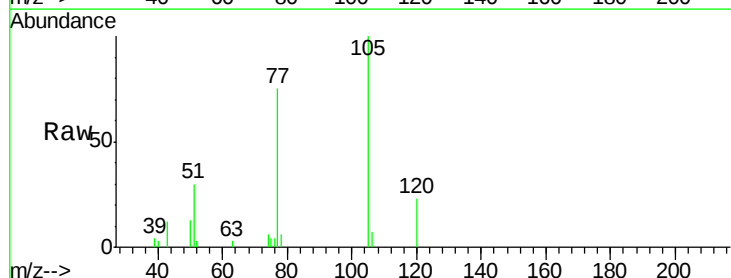
Tgt Ion: 105 Resp: 16517

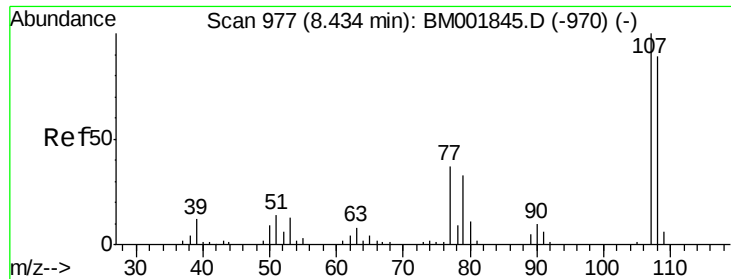
Ion Ratio Lower Upper

105 100

77 74.8 64.2 96.4

51 29.7 22.0 33.0





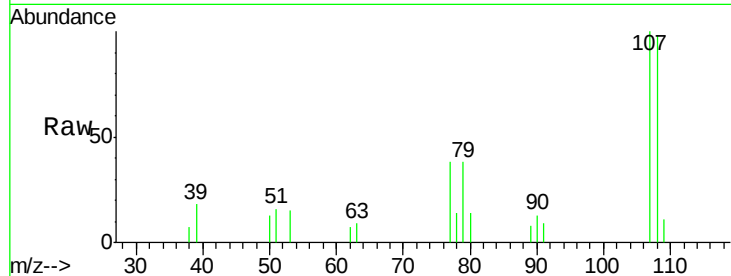
#16
4-Methylphenol
Concen: 2.02 ng/ul
RT: 8.44 min Scan# 978
Delta R.T. 0.01 min
Lab File: BM001864.D
Acq: 07 Jul 2015 12:30

Instrument :
BNA_M
ClientSampleId :
G93L8

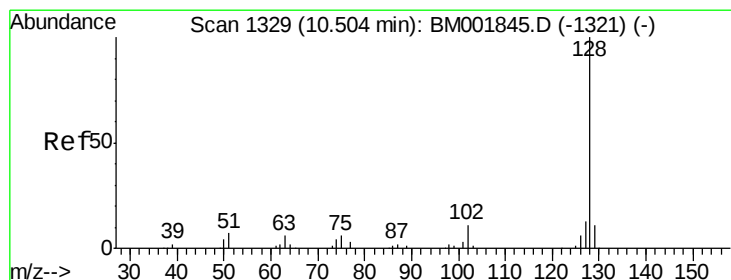
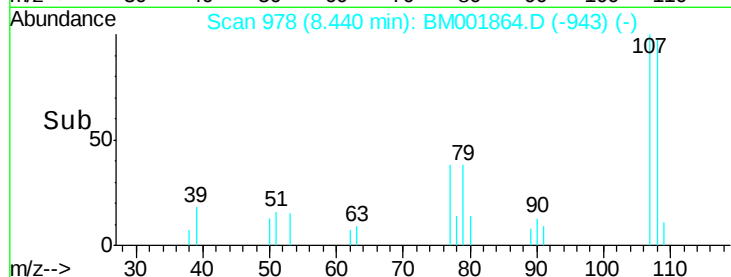
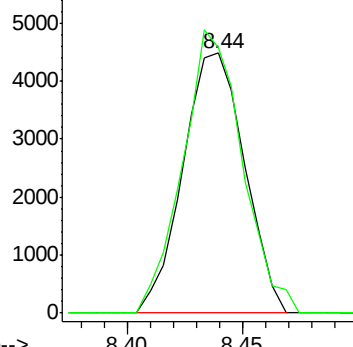
Tgt Ion:108 Resp: 8341
Ion Ratio Lower Upper
108 100
107 102.3 89.9 134.9

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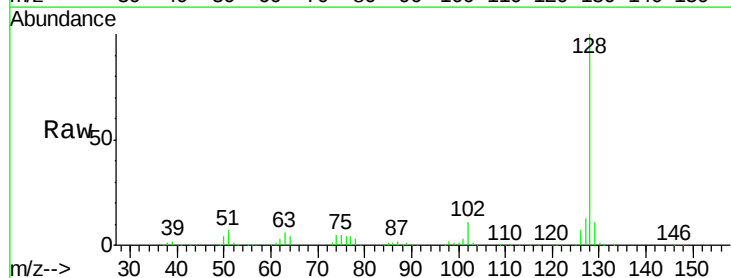


Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

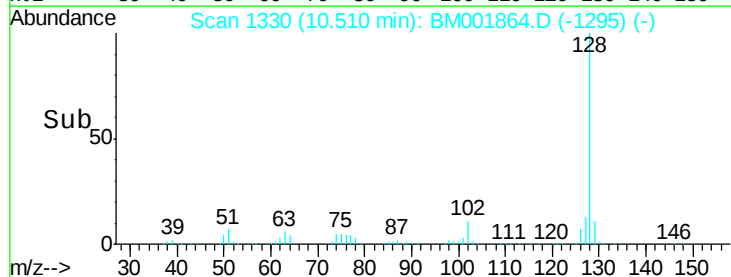
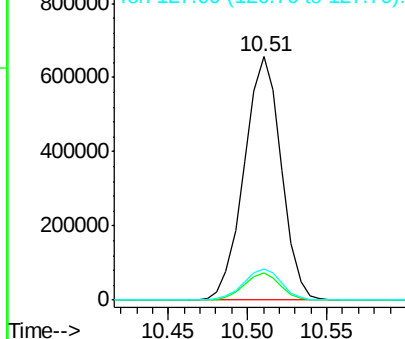


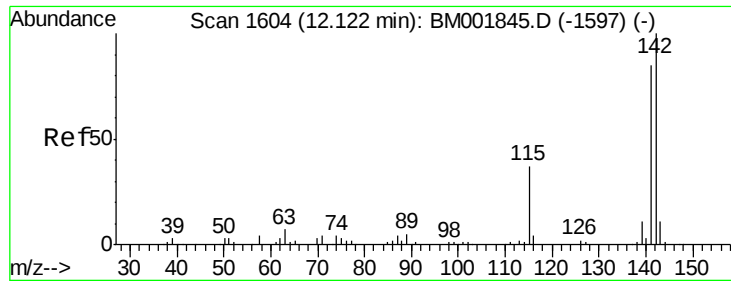
#28
Naphthalene
Concen: 84.32 ng/ul
RT: 10.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BM001864.D
Acq: 07 Jul 2015 12:30

Tgt Ion:128 Resp: 1068714
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.0 10.0 15.0



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





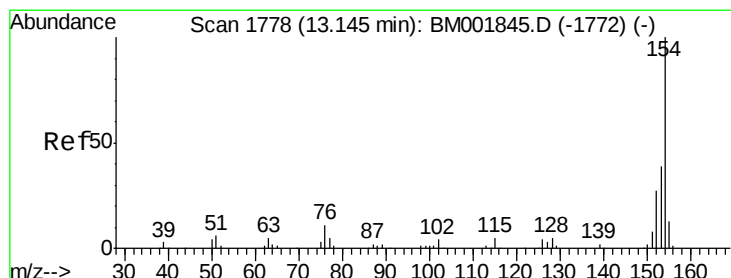
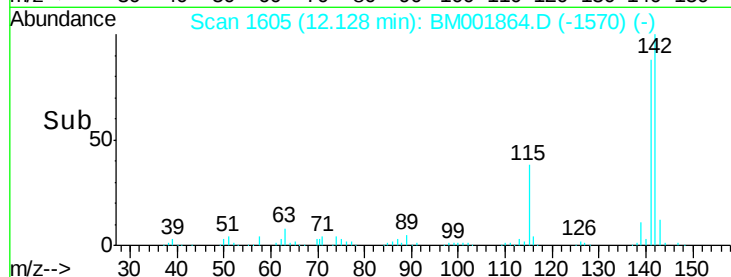
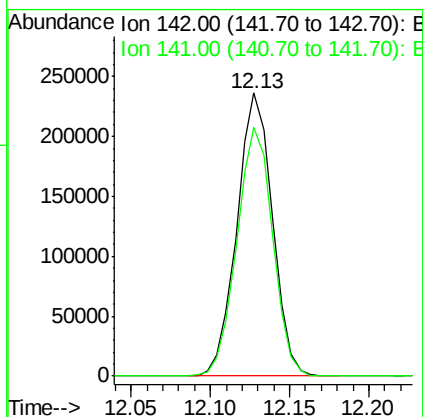
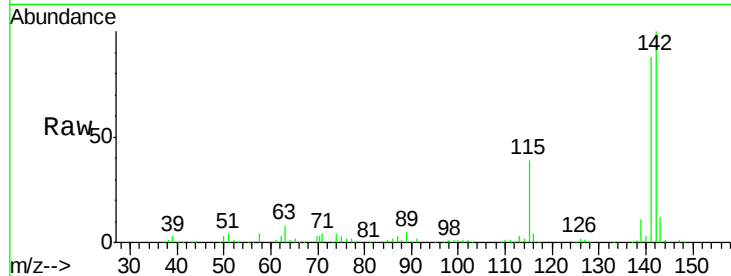
#34
 2-Methylnaphthalene
 Concen: 40.09 ng/ul
 RT: 12.13 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BM001864.D
 Acq: 07 Jul 2015 12:30

Instrument :
 BNA_M
 ClientSampled :
 G93L8

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.6	107.4

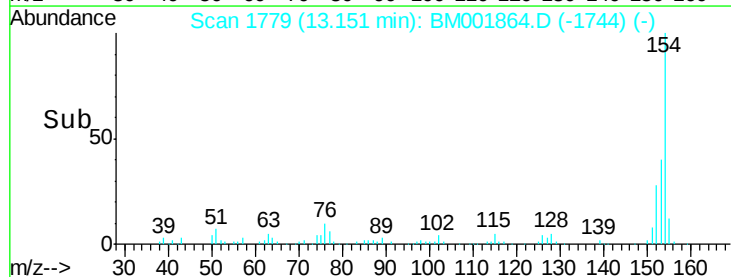
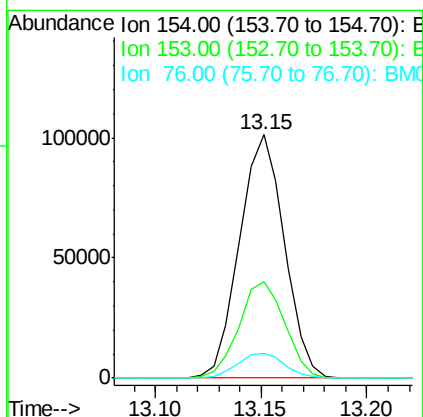
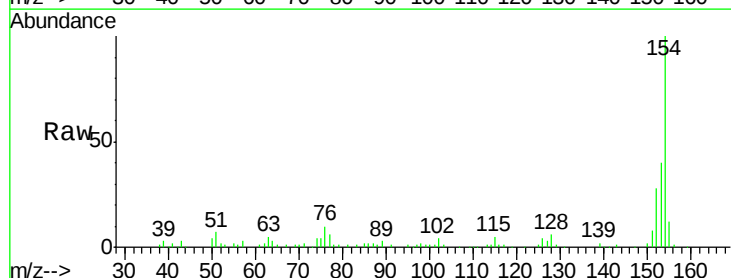
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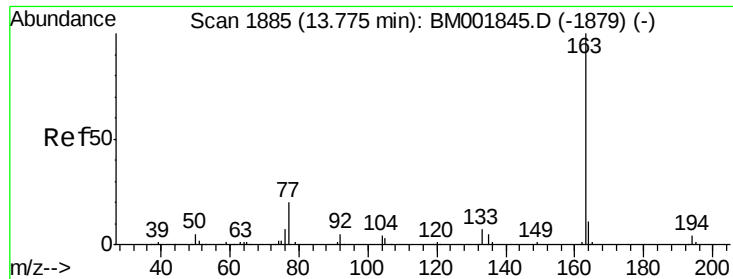
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#40
 1,1'-Biphenyl
 Concen: 12.53 ng/ul
 RT: 13.15 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BM001864.D
 Acq: 07 Jul 2015 12:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.5	32.5	48.7
76	10.1	9.0	13.6





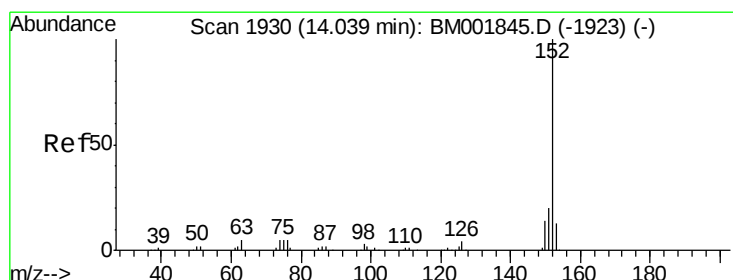
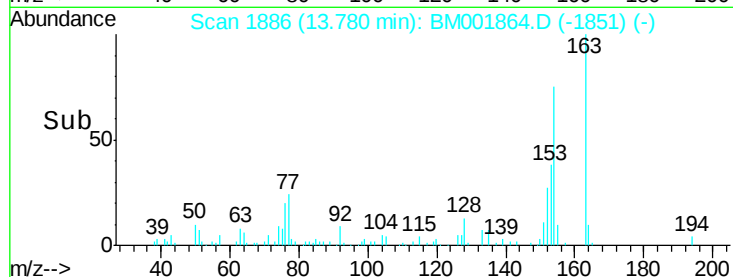
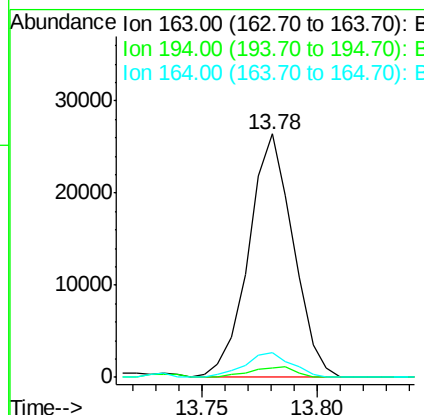
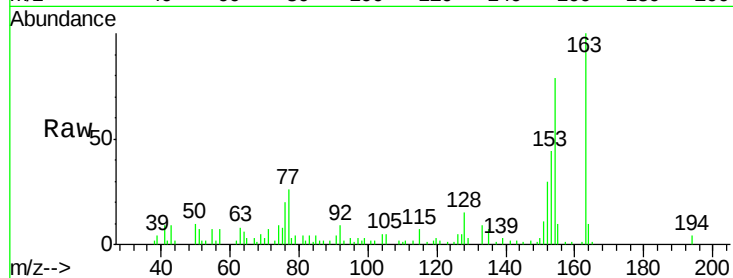
#44
Dimethylphthalate
Concen: 3.00 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BM001864.D
Acq: 07 Jul 2015 12:30

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	35568		
194	3.6		3.6	5.4
164	10.3		8.0	12.0

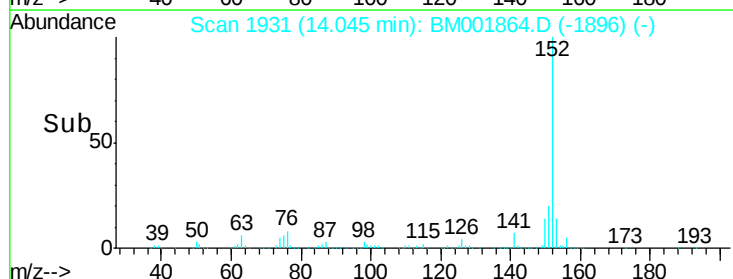
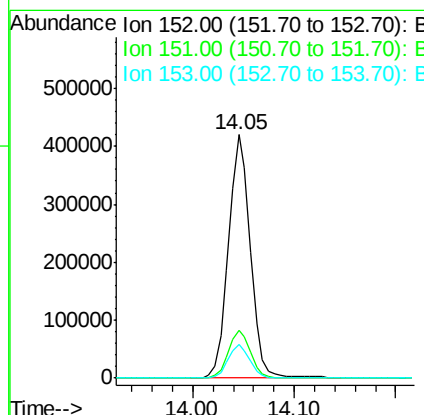
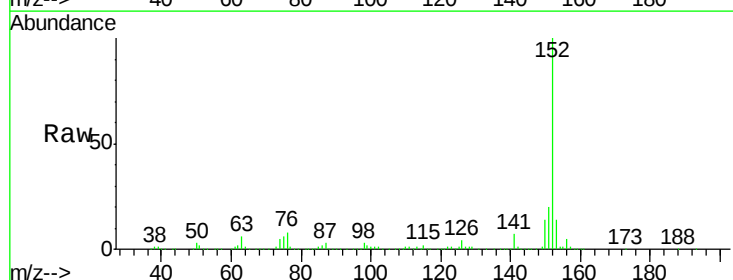
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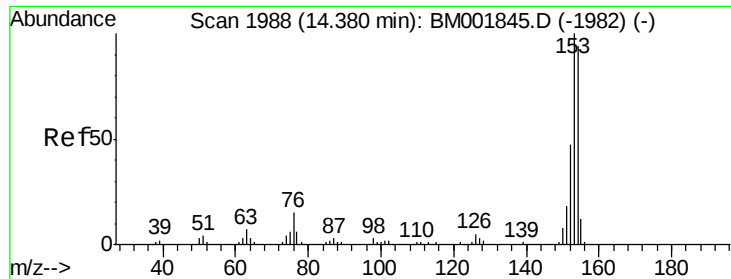
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#47
Acenaphthylene
Concen: 43.61 ng/ul
RT: 14.05 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BM001864.D
Acq: 07 Jul 2015 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	631254		
151	19.9		15.9	23.9
153	13.6		10.0	15.0





#49

Acenaphthene

Concen: 15.46 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

Instrument :

BNA_M

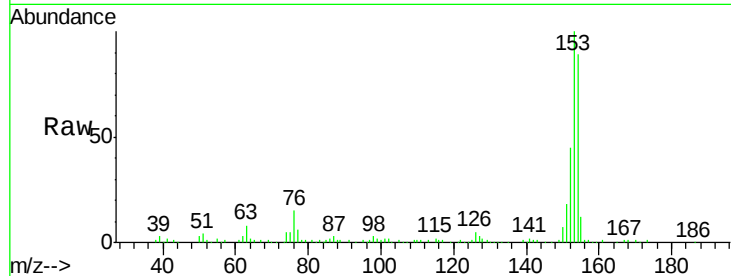
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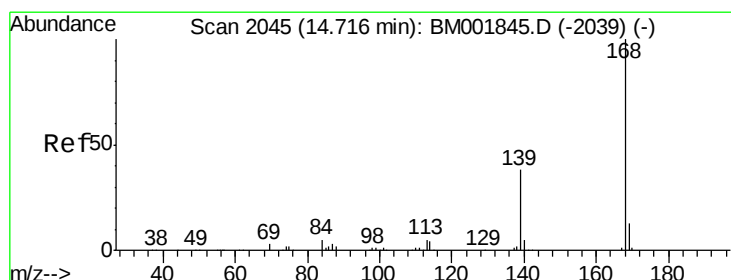
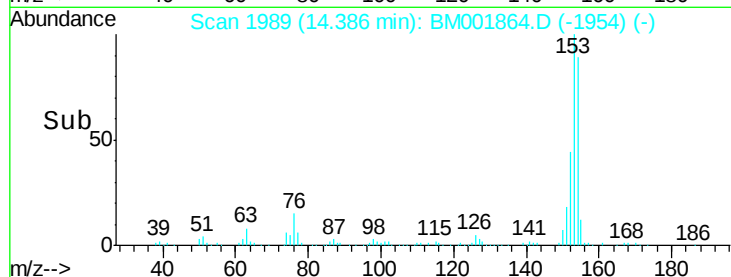
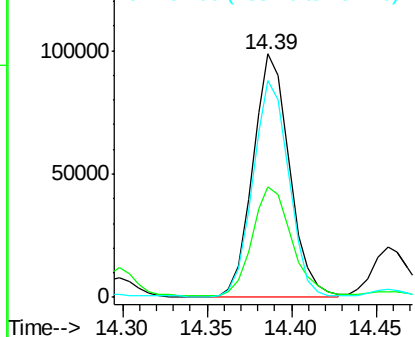
Tgt Ion:	153	Resp:	149543
Ion Ratio	Lower	Upper	
153	100		
152	45.1	36.6	55.0
154	88.8	72.6	108.8

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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



#53

Dibenzofuran

Concen: 32.93 ng/ul

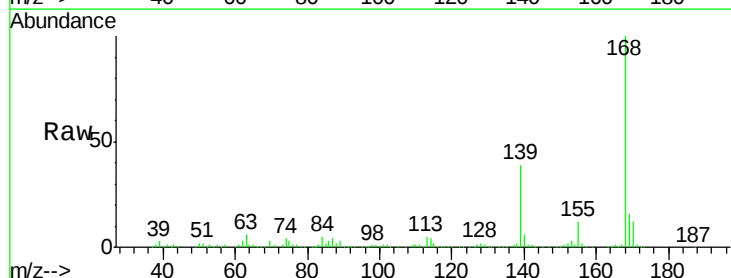
RT: 14.72 min Scan# 2046

Delta R.T. 0.01 min

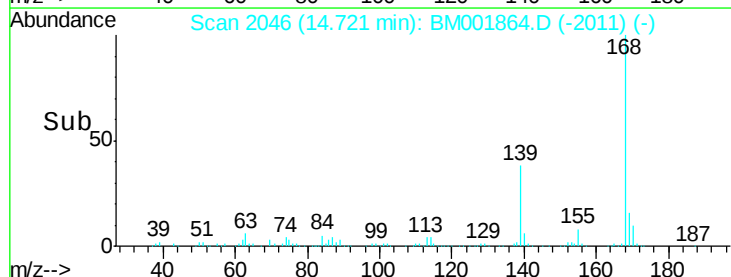
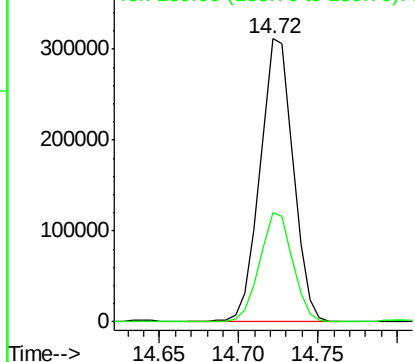
Lab File: BM001864.D

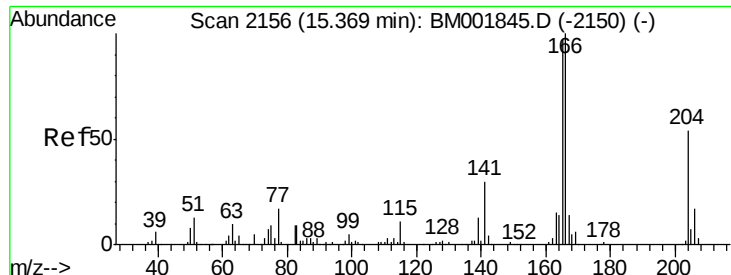
Acq: 07 Jul 2015 12:30

Tgt Ion:	168	Resp:	456185
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.1	45.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 55.46 ng/ul

RT: 15.37 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM001864.D

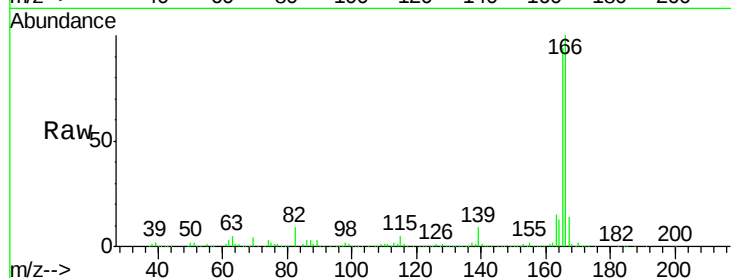
Acq: 07 Jul 2015 12:30

Instrument :

BNA_M

ClientSampleId :

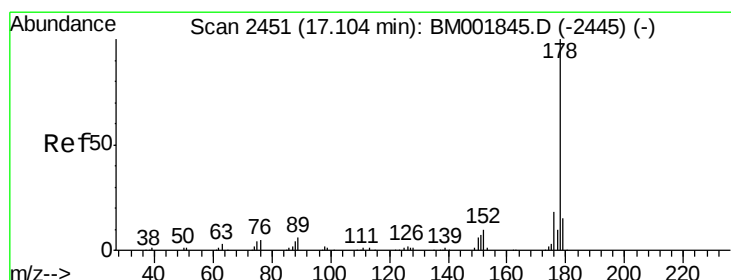
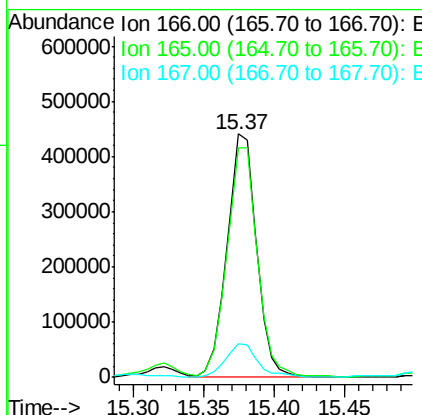
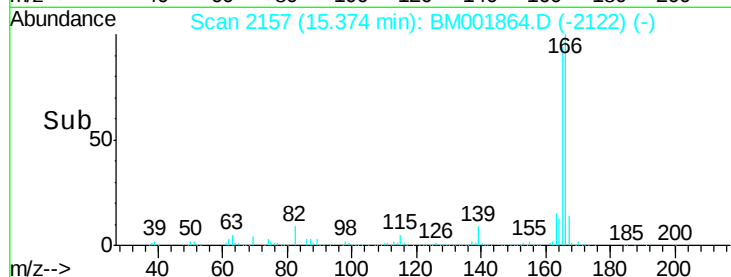
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Tgt Ion:	166	Resp:	639460
Ion Ratio	Lower	Upper	
166	100		
165	94.4	77.4	116.2
167	14.1	11.3	16.9

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#69

Phenanthrene

Concen: 315.58 ng/ul

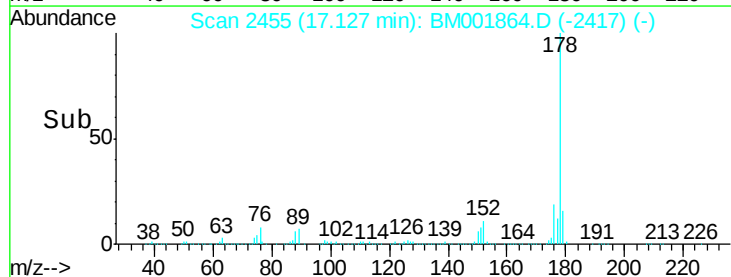
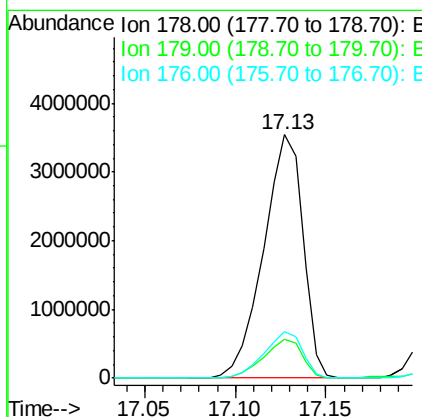
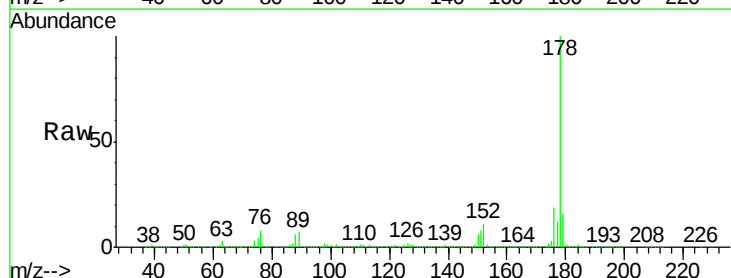
RT: 17.13 min Scan# 2455

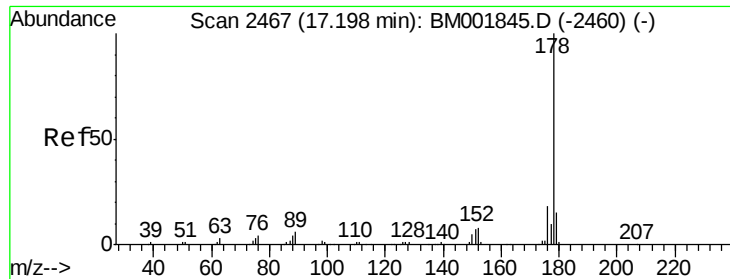
Delta R.T. 0.02 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

Tgt Ion:	178	Resp:	5362276
Ion Ratio	Lower	Upper	
178	100		
179	16.1	11.9	17.9
176	19.4	15.2	22.8





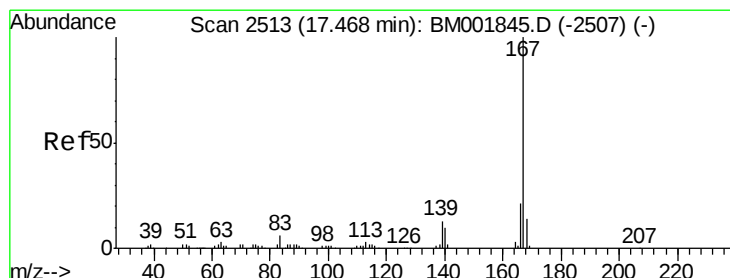
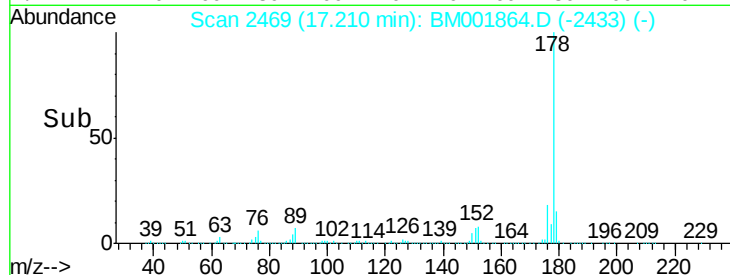
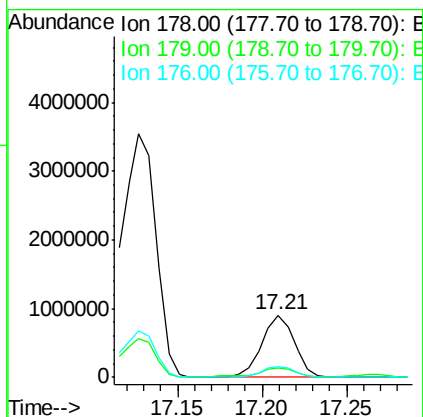
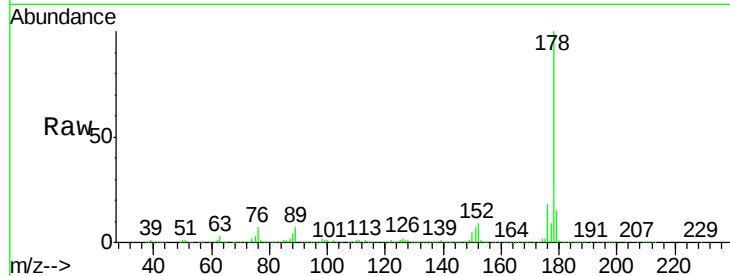
#71
 Anthracene
 Concen: 69.81 ng/ul
 RT: 17.21 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BM001864.D
 Acq: 07 Jul 2015 12:30

Instrument :
 BNA_M
 ClientSampleId :
 G93L8

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.8	17.8
176	17.7	14.4	21.6

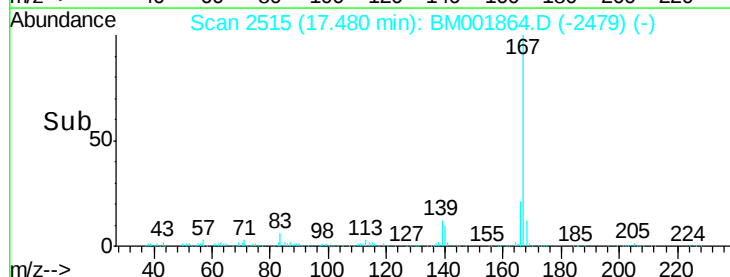
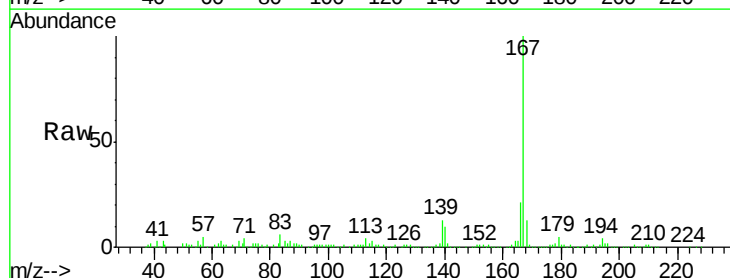
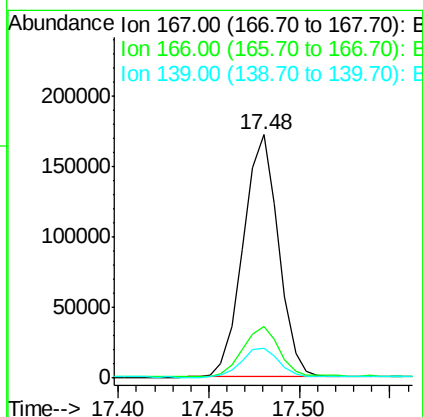
Manual Integrations
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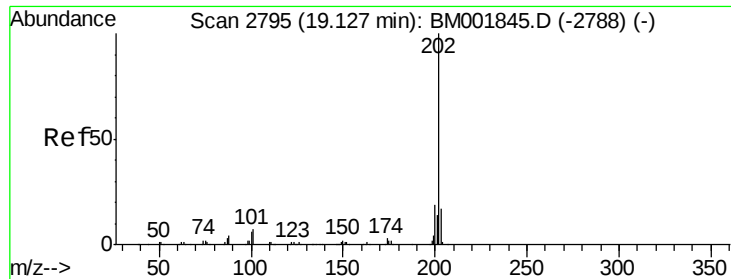
apatel
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#74
 Carbazole
 Concen: 15.23 ng/ul
 RT: 17.48 min Scan# 2515
 Delta R.T. 0.01 min
 Lab File: BM001864.D
 Acq: 07 Jul 2015 12:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.2
139	12.5	10.1	15.1





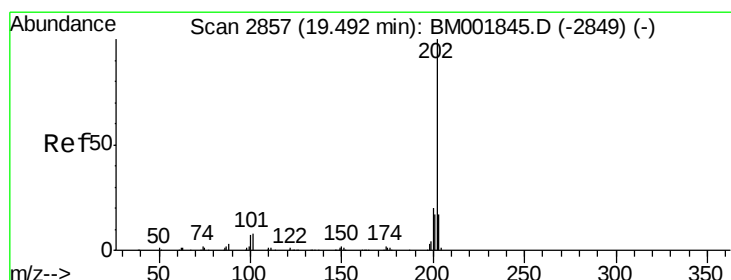
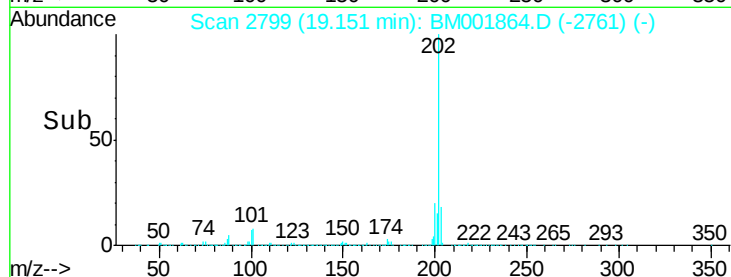
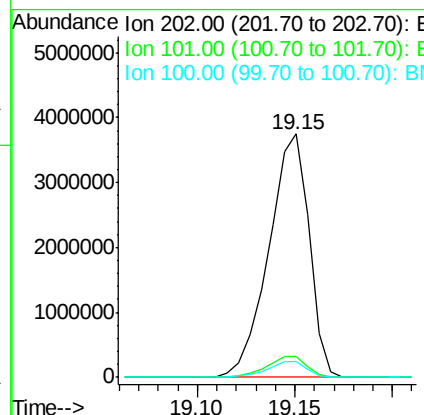
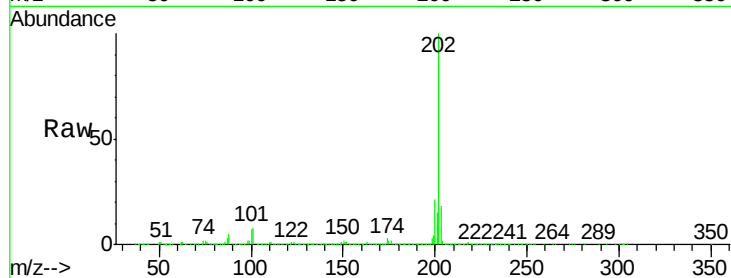
#76
 Fluoranthene
 Concen: 263.03 ng/ul
 RT: 19.15 min Scan# 2799
 Delta R.T. 0.02 min
 Lab File: BM001864.D
 Acq: 07 Jul 2015 12:30

Instrument :
 BNA_M
 ClientSampleId :
 G93L8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.1	9.1
100	6.7	4.8	7.2

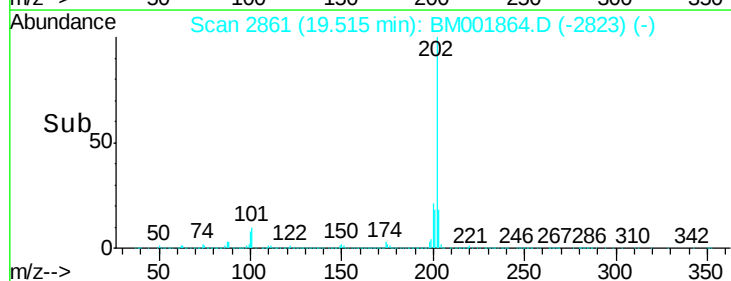
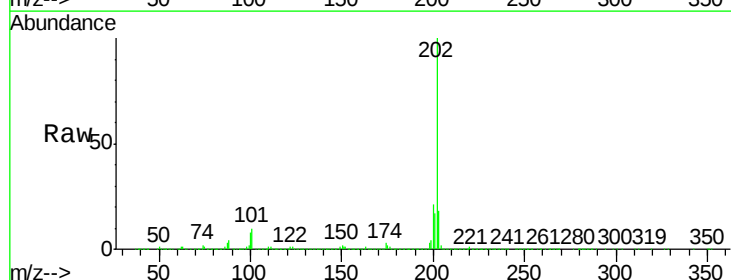
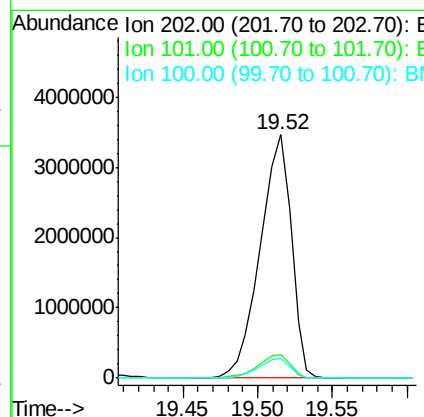
Manual Integrations
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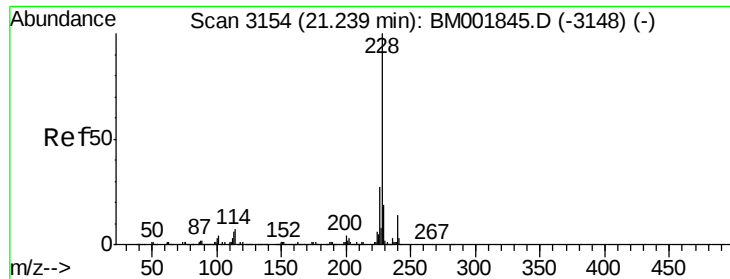
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#79
 Pyrene
 Concen: 236.25 ng/ul
 RT: 19.52 min Scan# 2861
 Delta R.T. 0.02 min
 Lab File: BM001864.D
 Acq: 07 Jul 2015 12:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	6.9	10.3
100	8.2	6.2	9.2





#82

Benzo(a)anthracene

Concen: 93.76 ng/ul m

RT: 21.26 min Scan# 3157

Delta R.T. 0.02 min

Lab File: BM001864.D

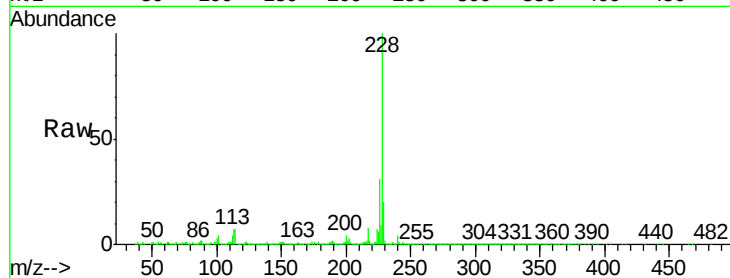
Acq: 07 Jul 2015 12:30

Instrument :

BNA_M

ClientSampleId :

G93L8



Tgt Ion:228 Resp: 2093410

Ion Ratio Lower Upper

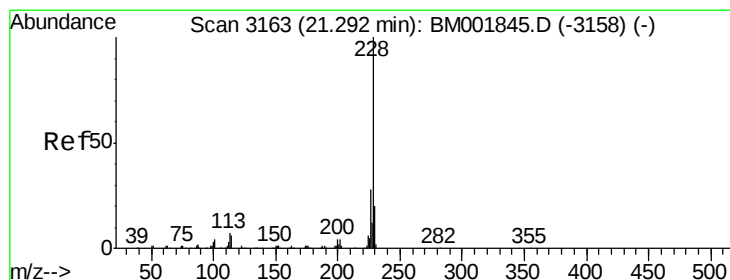
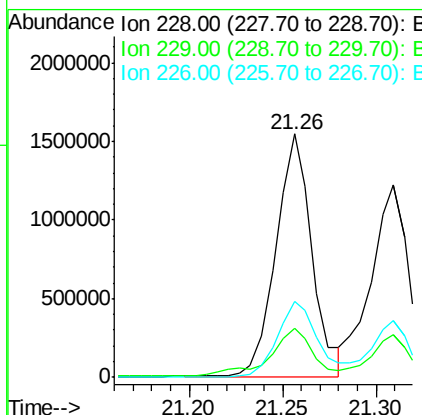
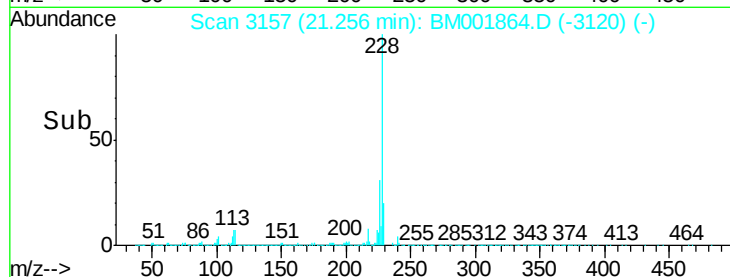
228 100

229 20.3 15.4 23.0

226 30.9 20.6 30.8#

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#84

Chrysene

Concen: 78.91 ng/ul

RT: 21.31 min Scan# 3166

Delta R.T. 0.02 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

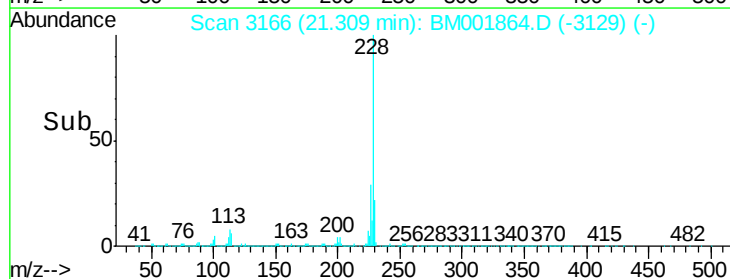
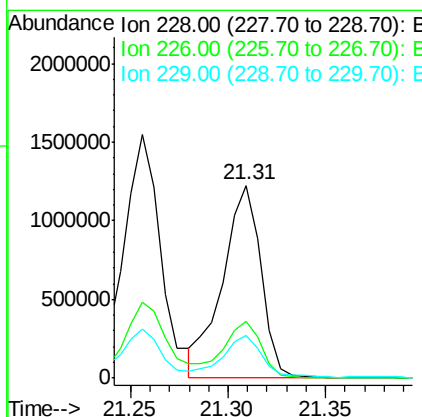
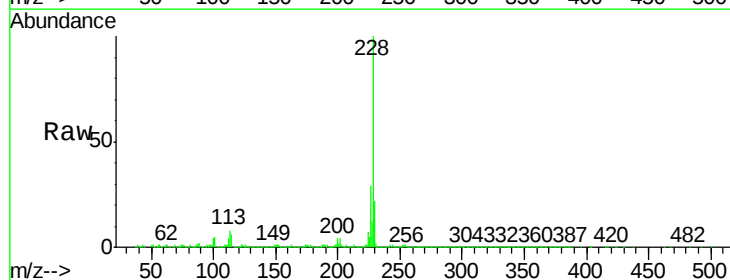
Tgt Ion:228 Resp: 1669918

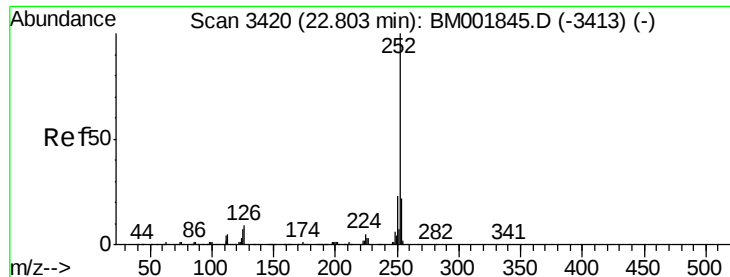
Ion Ratio Lower Upper

228 100

226 29.3 23.0 34.4

229 22.2 15.4 23.2





#87

Benzo(b)fluoranthene

Concen: 92.71 ng/ul

RT: 22.84 min Scan# 3426

Delta R.T. 0.04 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

Instrument :

BNA_M

ClientSampleId :

G93L8

Tgt Ion:252 Resp: 2124845

Ion Ratio Lower Upper

252 100

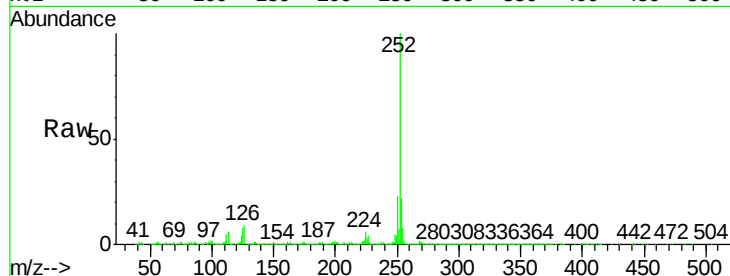
253 22.4 17.8 26.6

125 8.1 5.3 7.9#

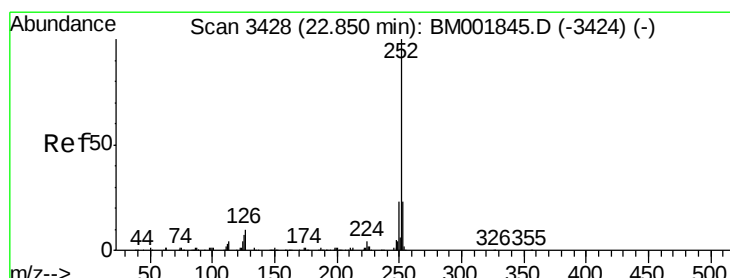
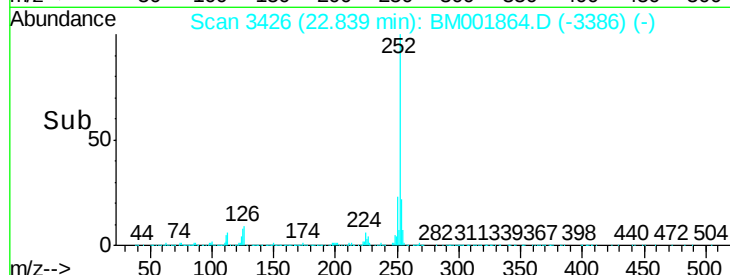
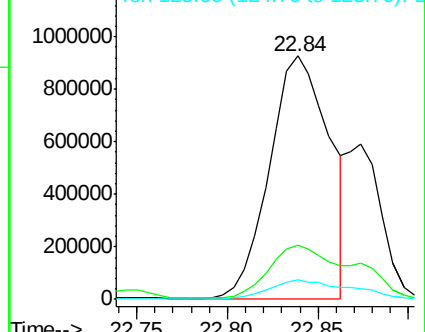
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 35.01 ng/ul m

RT: 22.87 min Scan# 3432

Delta R.T. 0.02 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

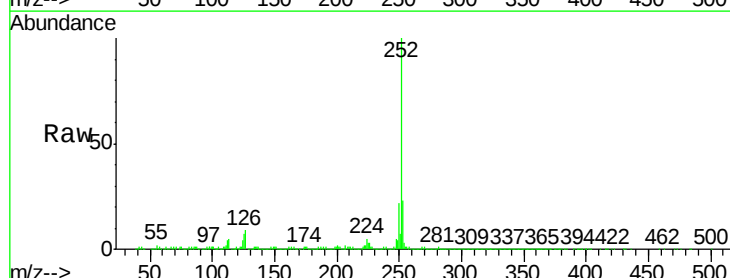
Tgt Ion:252 Resp: 775437

Ion Ratio Lower Upper

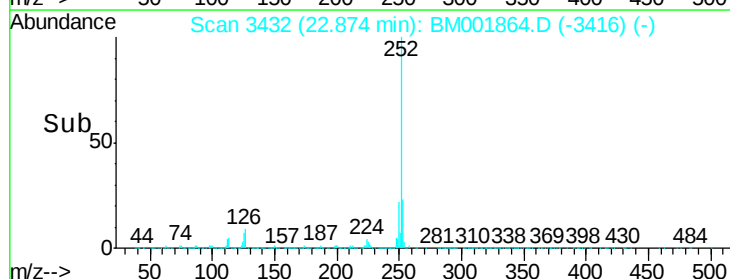
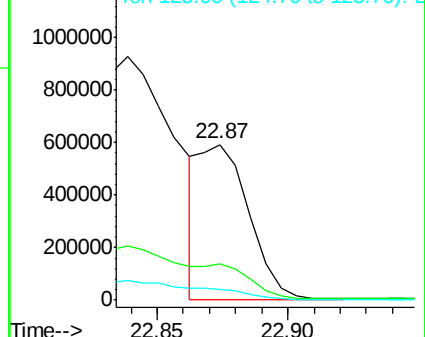
252 100

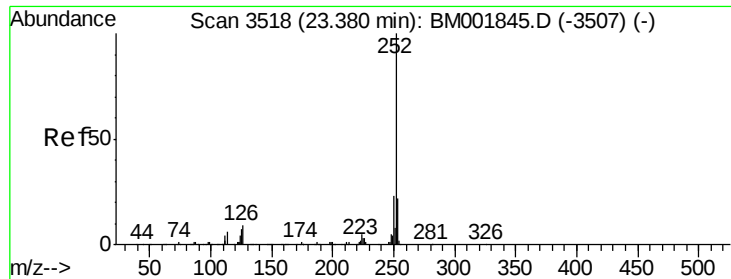
253 23.3 17.1 25.7

125 7.0 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





#90

Benzo(a)pyrene

Concen: 81.64 ng/ul

RT: 23.41 min Scan# 3524

Delta R.T. 0.04 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

Instrument :

BNA_M

ClientSampleId :

G93L8

Tgt Ion:252 Resp: 1820242

Ion Ratio Lower Upper

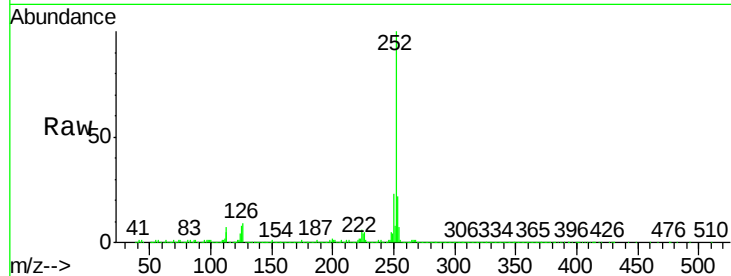
252 100

253 22.2 17.4 26.0

125 7.7 6.0 9.0

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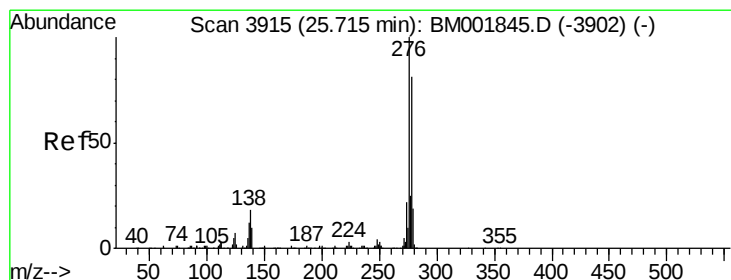
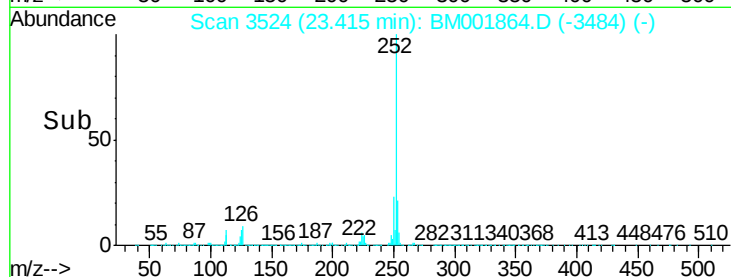
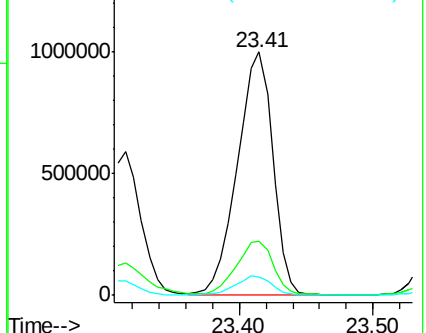
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 46.31 ng/ul

RT: 25.76 min Scan# 3923

Delta R.T. 0.05 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

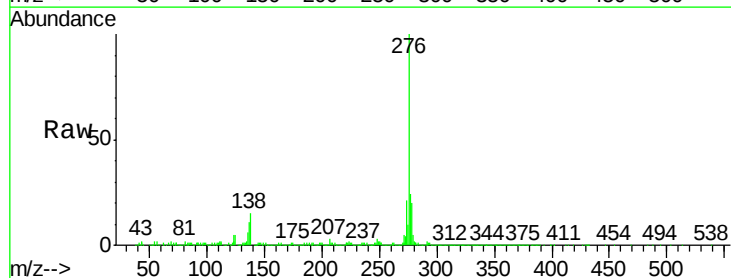
Tgt Ion:276 Resp: 1224314

Ion Ratio Lower Upper

276 100

138 15.1 14.7 22.1

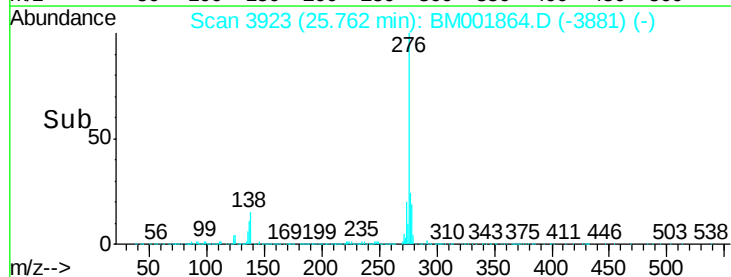
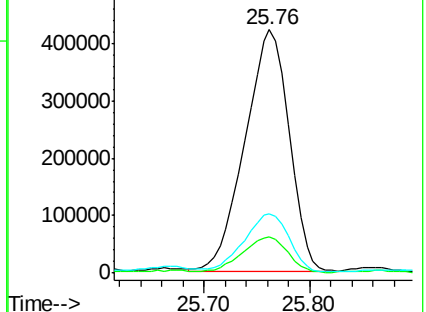
277 24.3 19.7 29.5

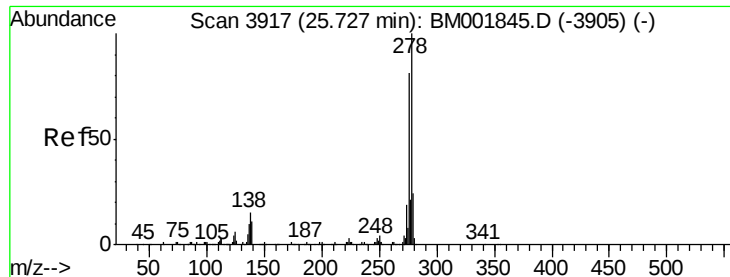


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 11.91 ng/ul

RT: 25.76 min Scan# 3923

Delta R.T. 0.04 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

Instrument :

BNA_M

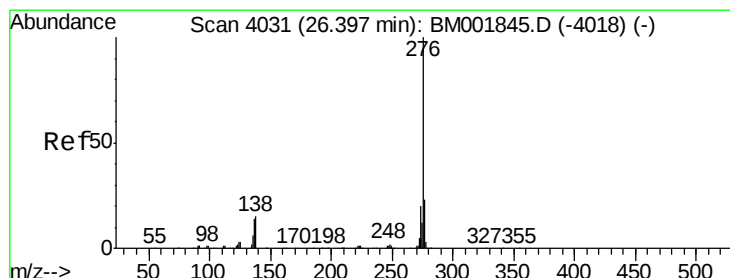
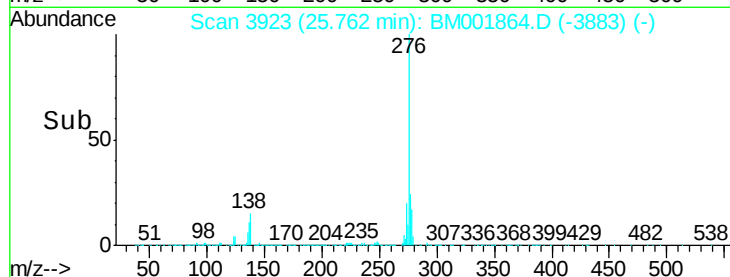
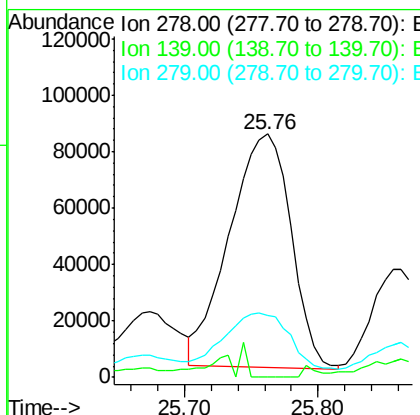
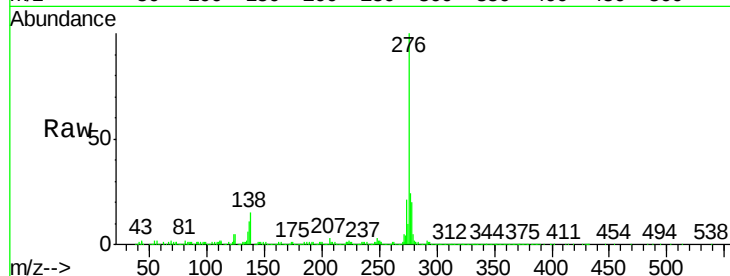
ClientSampled :

G93L8

Tgt Ion:	278	Resp:	265711
Ion Ratio	Lower	Upper	
278	100		
139	0.0	9.2	13.8#
279	25.7	19.1	28.7

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#93

Benzo(g,h,i)perylene

Concen: 51.61 ng/ul

RT: 26.46 min Scan# 4042

Delta R.T. 0.06 min

Lab File: BM001864.D

Acq: 07 Jul 2015 12:30

Tgt Ion:	276	Resp:	1147327
Ion Ratio	Lower	Upper	
276	100		
138	15.6	12.6	19.0
277	24.1	18.7	28.1

