

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001868.D
 Acq On : 07 Jul 2015 15:14
 Operator : TP/UM
 Sample : G2861-11
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 G93L5

Manual Integrations
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 7/8/2015 4:25:20 PM

Quant Time: Jul 08 05:13:02 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	67424	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	253879	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	144248	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	320378	20.00	ng/ul	0.01
77) Chrysene-d12	21.27	240	379043	20.00	ng/ul	0.01
85) Perylene-d12	23.50	264	391860	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	2778	1.96	ng/uL	0.00
5) Phenol-d5	6.84	99	65522	12.65	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.00	67	38059	13.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	55033	13.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	48815	11.74	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	25573	14.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	28539	14.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	57399	13.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	43586	10.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	151219	14.14	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	192532	13.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	20120	10.20	ng/ul	0.01
57) Fluorene-d10	15.32	176	139906	14.10	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.44	200	6707	3.43	ng/ul	0.00
70) Anthracene-d10	17.17	188	209729	14.05	ng/ul	0.00
78) Pyrene-d10	19.47	212	223432	13.92	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.36	264	208485	12.07	ng/ul	0.03

Target Compounds

					Qvalue
14) Acetophenone	8.49	105	9129m	1.38	ng/ul
28) Naphthalene	10.50	128	52282	4.08	ng/ul 96
34) 2-Methylnaphthalene	12.13	142	63939	6.90	ng/ul 98
40) 1,1'-Biphenyl	13.15	154	16538	1.40	ng/ul 93
44) Dimethylphthalate	13.78	163	54212	4.64	ng/ul 98
47) Acenaphthylene	14.05	152	48809	3.41	ng/ul# 95
49) Acenaphthene	14.39	153	22254	2.33	ng/ul 96
53) Dibenzofuran	14.72	168	31752	2.32	ng/ul 91
58) Fluorene	15.37	166	23745	2.09	ng/ul# 93
69) Phenanthrene	17.12	178	406183	23.38	ng/ul 98
71) Anthracene	17.20	178	105509	5.92	ng/ul 97
74) Carbazole	17.48	167	42542	2.72	ng/ul# 94
76) Fluoranthene	19.14	202	595163	28.64	ng/ul 99
79) Pyrene	19.50	202	575499	27.37	ng/ul 99
82) Benzo(a)anthracene	21.26	228	355691	16.06	ng/ul 95
84) Chrysene	21.31	228	346133	16.49	ng/ul 97
87) Benzo(b)fluoranthene	22.84	252	580310	25.44	ng/ul 99
88) Benzo(k)fluoranthene	22.87	252	191033m	8.67	ng/ul
90) Benzo(a)pyrene	23.41	252	421756	19.01	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.76	276	418394	15.90	ng/ul 97
92) Dibenz(a,h)anthracene	25.77	278	104109	4.69	ng/ul# 90
93) Benzo(g,h,i)perylene	26.46	276	319144	14.42	ng/ul 99

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Quant Title : SVOA CALIBRATION
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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

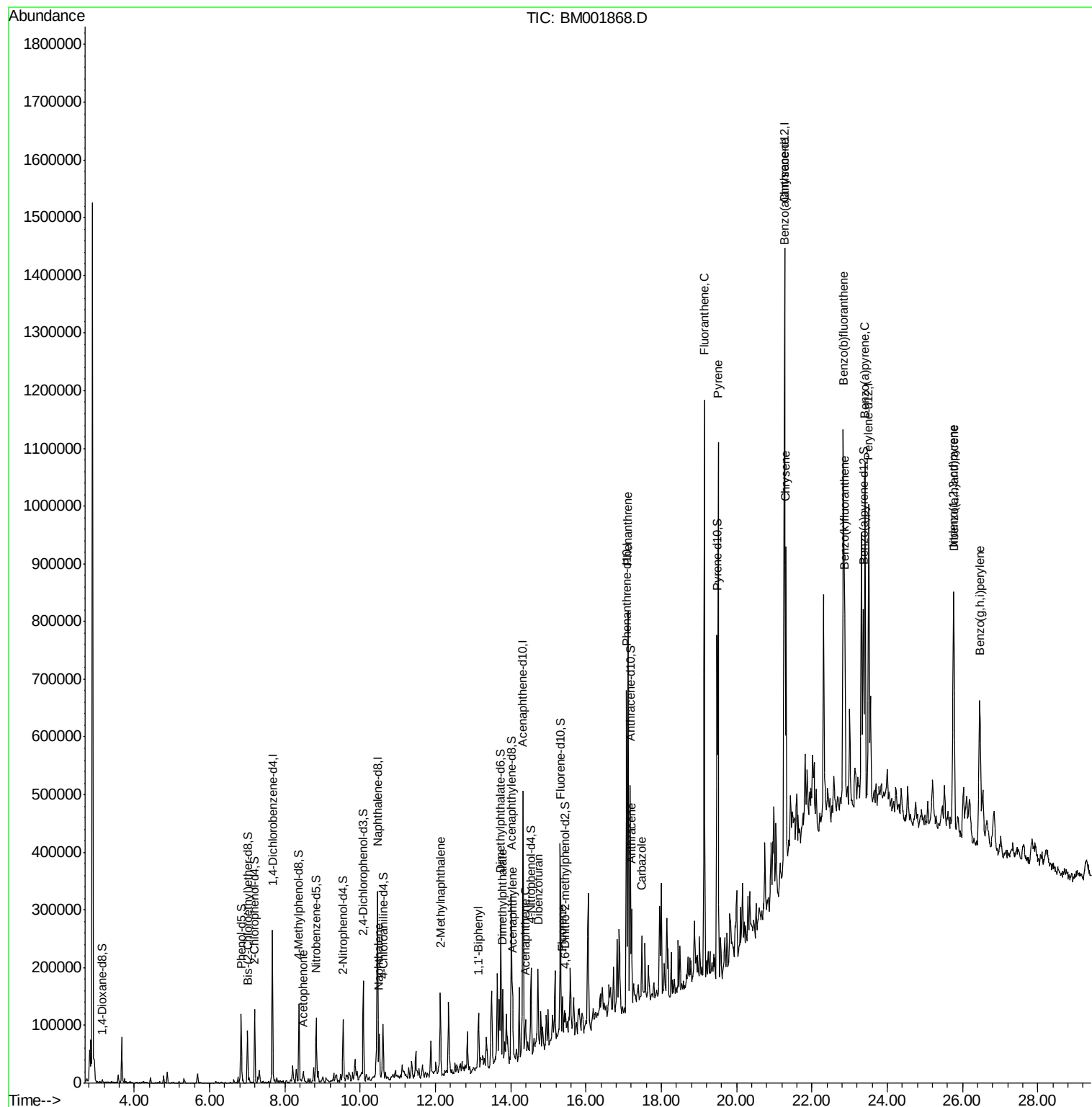
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001868.D
Acq On : 07 Jul 2015 15:14
Operator : TP/UM
Sample : G2861-11
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ALS Vial : 37 Sample Multiplier: 1

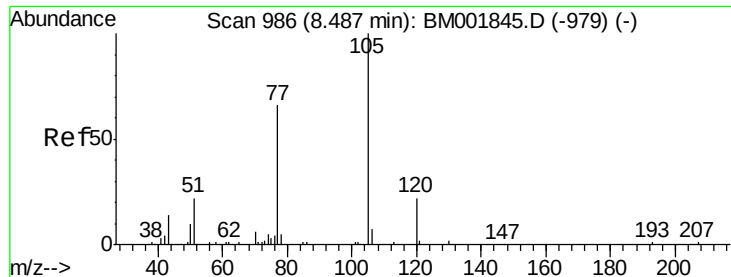
Instrument :
BNA_M
ClientSampled :
G93L5

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#14

Acetophenone

Concen: 1.38 ng/ul m

RT: 8.49 min Scan# 987

Delta R.T. 0.01 min

Lab File: BM001868.D

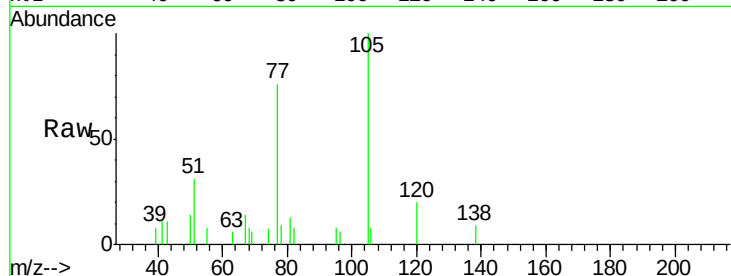
Acq: 07 Jul 2015 15:14

Instrument :

BNA_M

ClientSampleId :

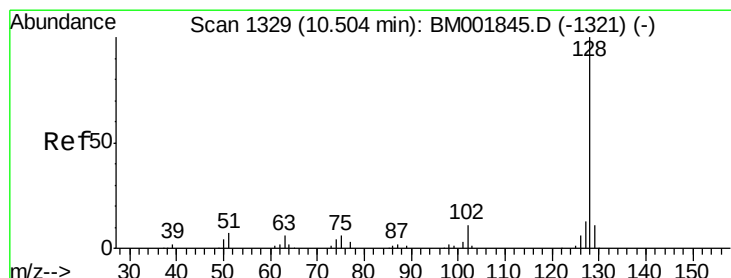
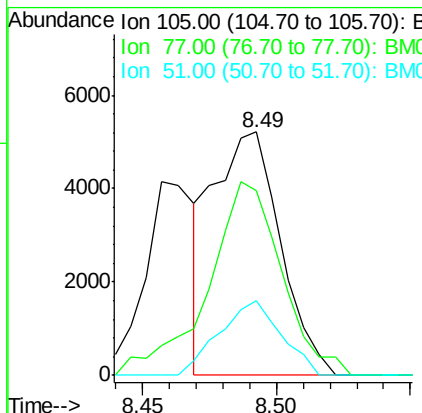
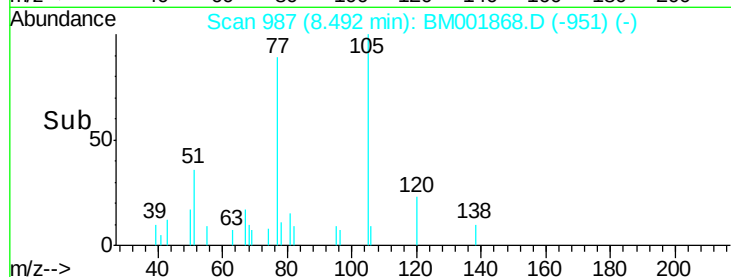
G93L5



Tgt Ion:	105	Resp:	9129
Ion Ratio	Lower	Upper	
105	100		
77	75.8	64.2	96.4
51	30.8	22.0	33.0

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#28

Naphthalene

Concen: 4.08 ng/ul

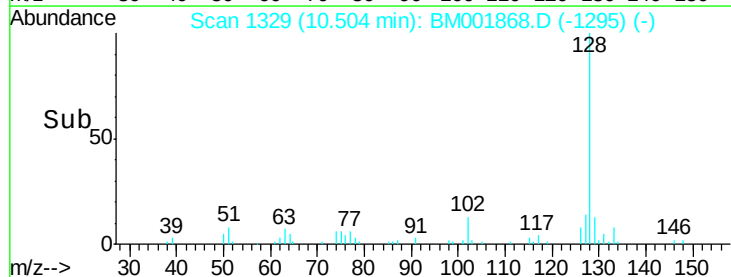
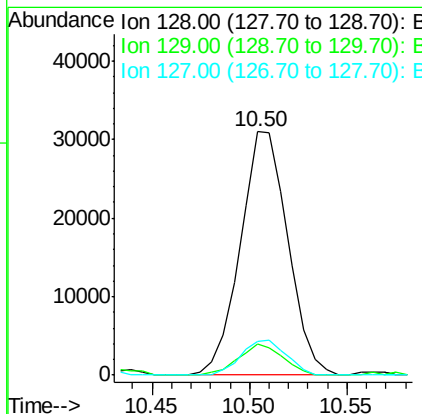
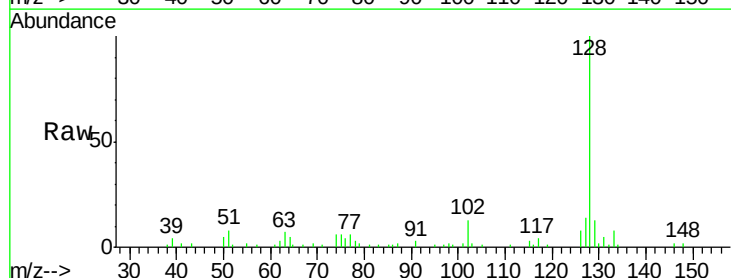
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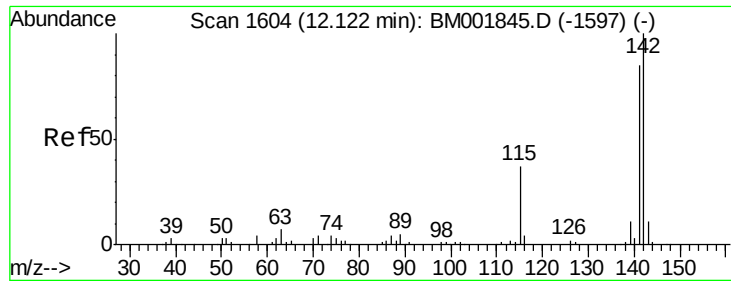
Delta R.T. 0.00 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Tgt Ion:	128	Resp:	52282
Ion Ratio	Lower	Upper	
128	100		
129	12.8	8.7	13.1
127	14.0	10.0	15.0





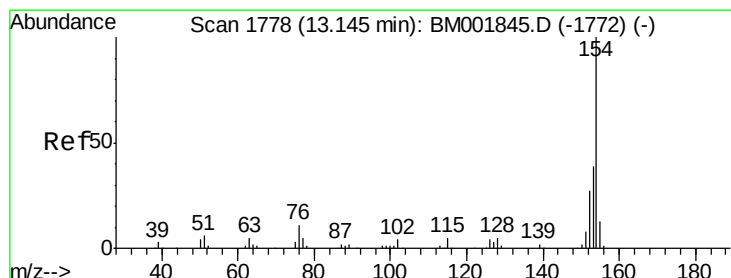
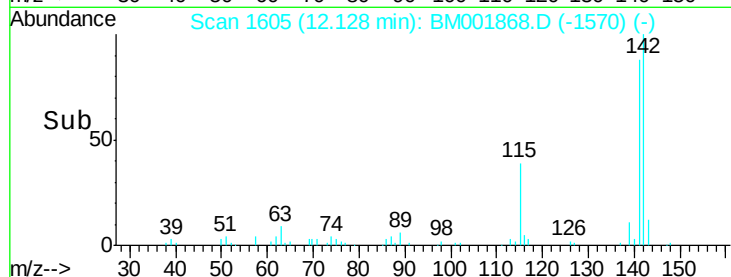
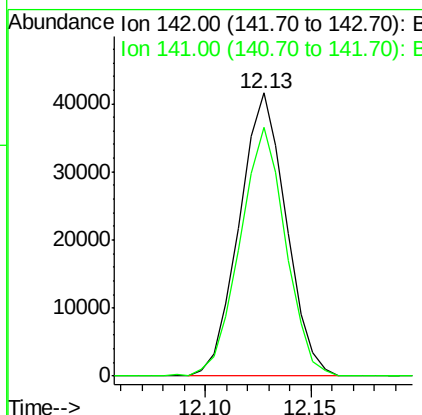
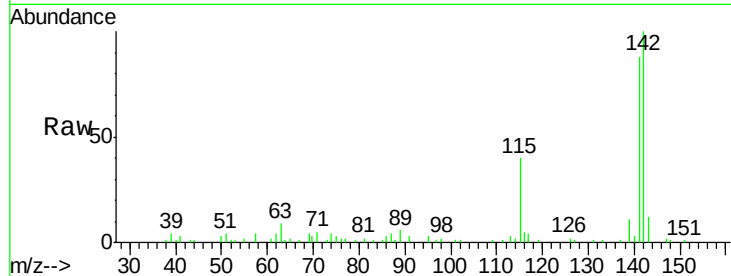
#34
 2-Methylnaphthalene
 Concen: 6.90 ng/ul
 RT: 12.13 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BM001868.D
 Acq: 07 Jul 2015 15:14

Instrument :
 BNA_M
 ClientSampleId :
 G93L5

Tgt Ion:142 Resp: 63939
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.6 107.4

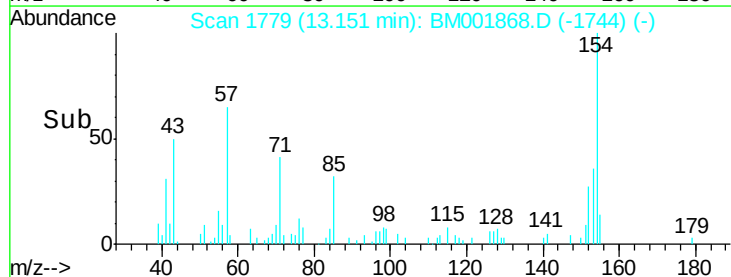
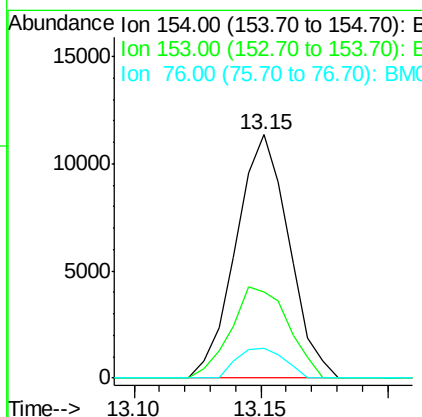
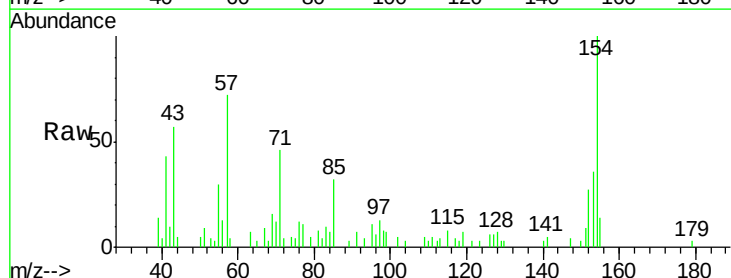
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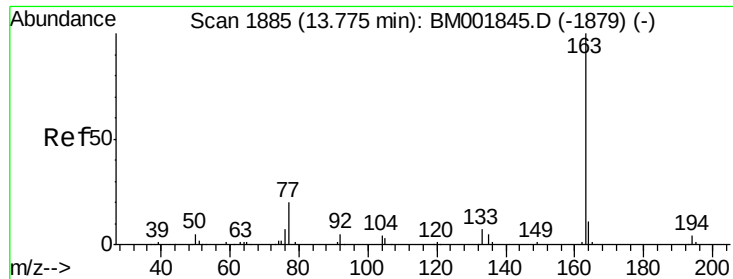
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#40
 1,1'-Biphenyl
 Concen: 1.40 ng/ul
 RT: 13.15 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BM001868.D
 Acq: 07 Jul 2015 15:14

Tgt Ion:154 Resp: 16538
 Ion Ratio Lower Upper
 154 100
 153 35.5 32.5 48.7
 76 12.2 9.0 13.6





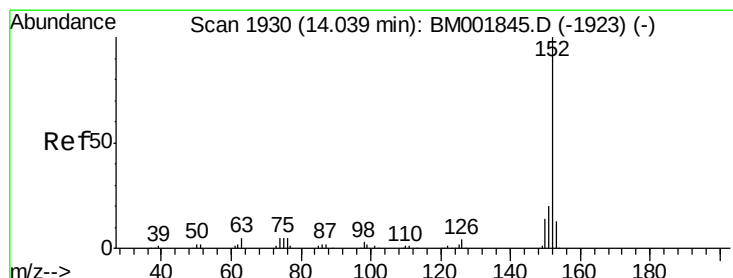
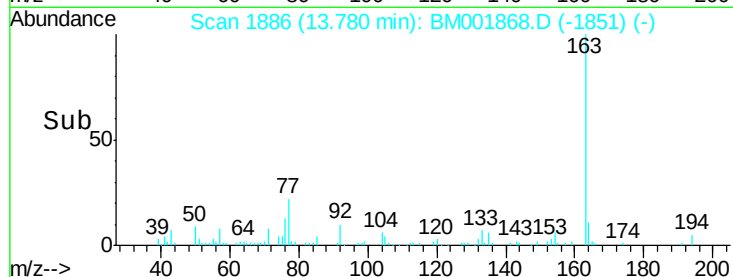
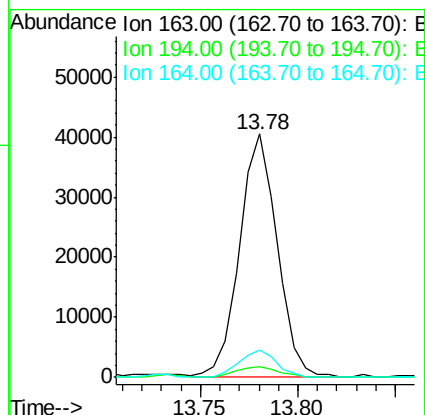
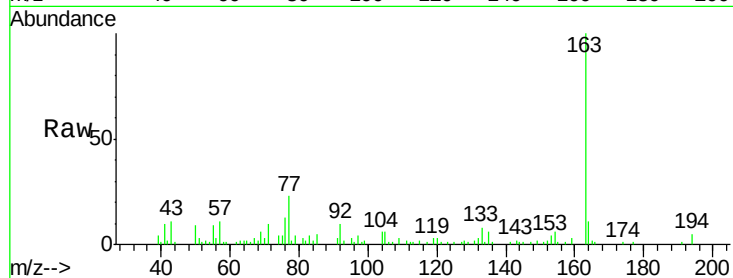
#44
Dimethylphthalate
Concen: 4.64 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BM001868.D
Acq: 07 Jul 2015 15:14

Instrument :
BNA_M
ClientSampled :
G93L5

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	54212		
194	4.5		3.6	5.4
164	11.1		8.0	12.0

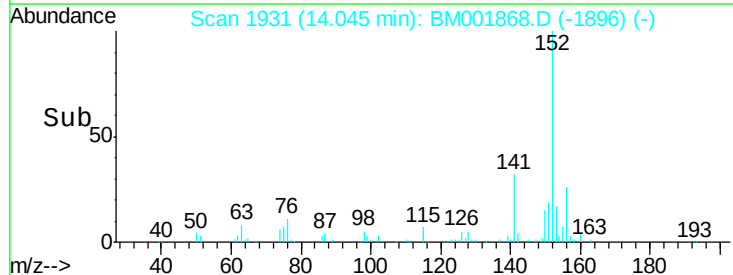
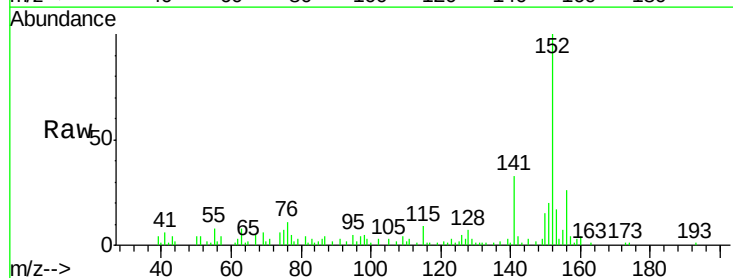
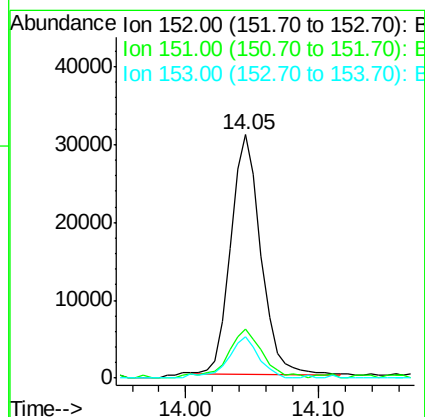
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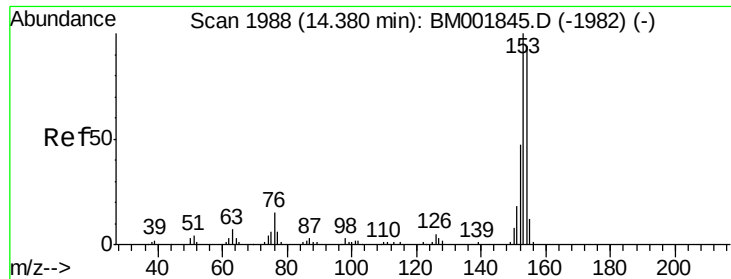
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#47
Acenaphthylene
Concen: 3.41 ng/ul
RT: 14.05 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BM001868.D
Acq: 07 Jul 2015 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	48809		
151	20.0		15.9	23.9
153	17.2		10.0	15.0#





#49

Acenaphthene

Concen: 2.33 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Instrument :

BNA_M

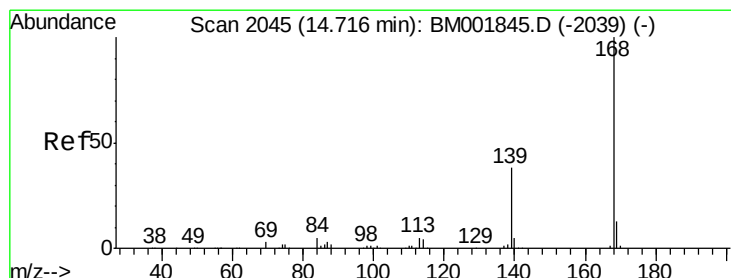
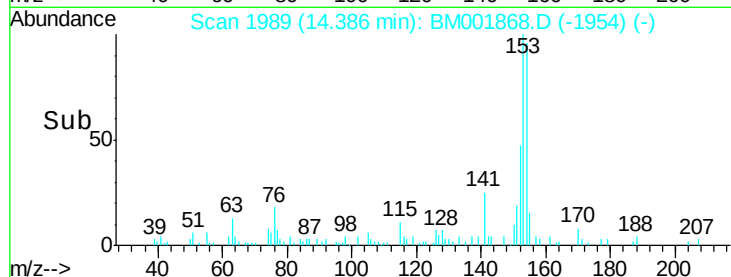
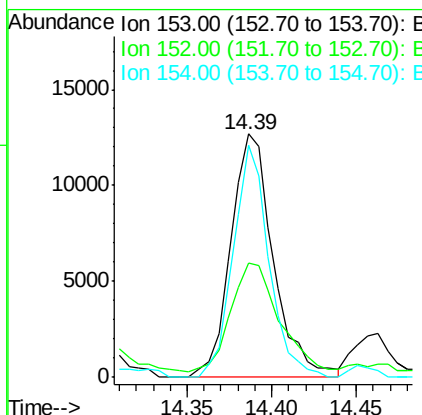
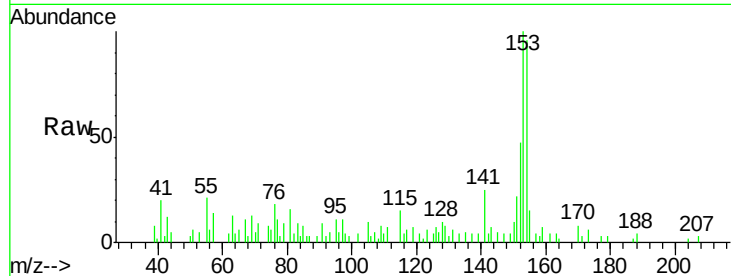
ClientSampleId :

G93L5

Tgt Ion:	153	Resp:	22254
Ion Ratio	Lower	Upper	
153	100		
152	46.8	36.6	55.0
154	95.6	72.6	108.8

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#53

Dibenzofuran

Concen: 2.32 ng/ul

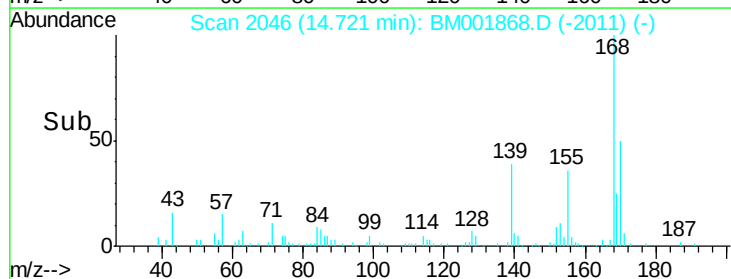
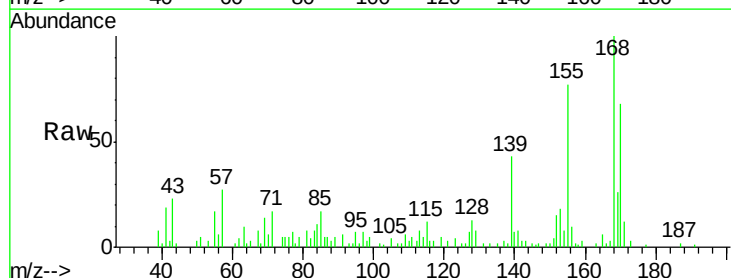
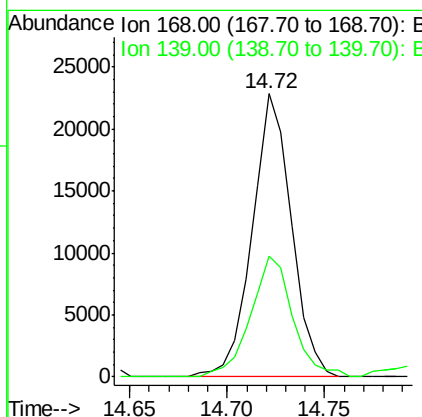
RT: 14.72 min Scan# 2046

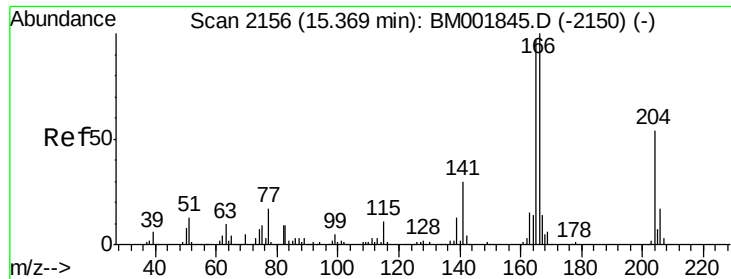
Delta R.T. 0.01 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Tgt Ion:	168	Resp:	31752
Ion Ratio	Lower	Upper	
168	100		
139	42.8	30.1	45.1





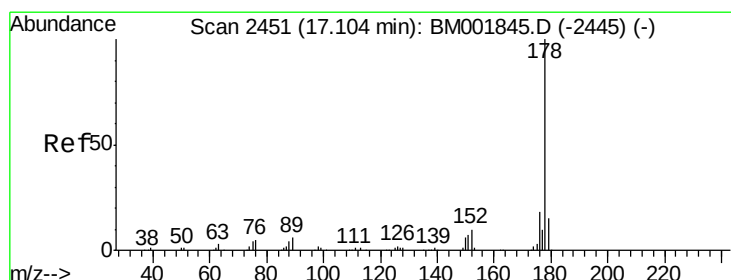
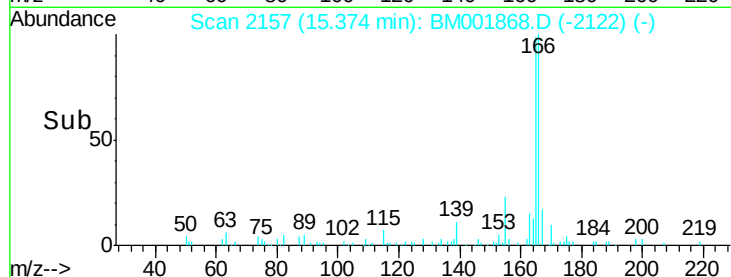
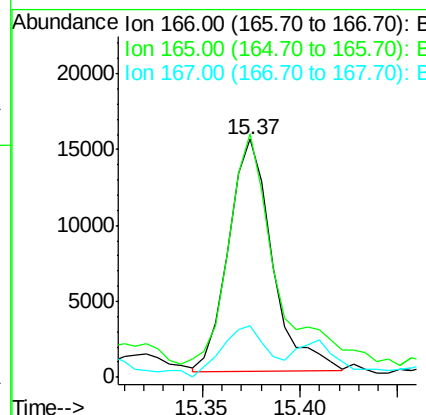
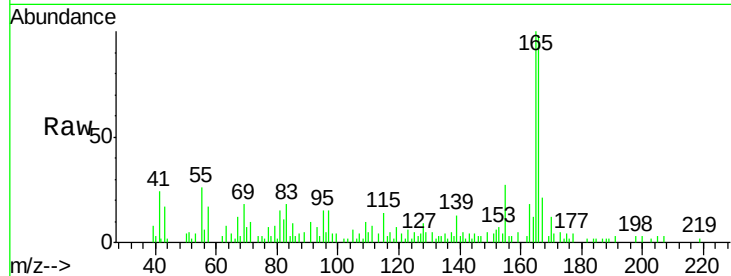
#58
 Fluorene
 Concen: 2.09 ng/ul
 RT: 15.37 min Scan# 2157
 Delta R.T. 0.01 min
 Lab File: BM001868.D
 Acq: 07 Jul 2015 15:14

Instrument :
 BNA_M
 ClientSampleId :
 G93L5

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	23745		
165	102.2	77.4	116.2	
167	21.8	11.3	16.9	

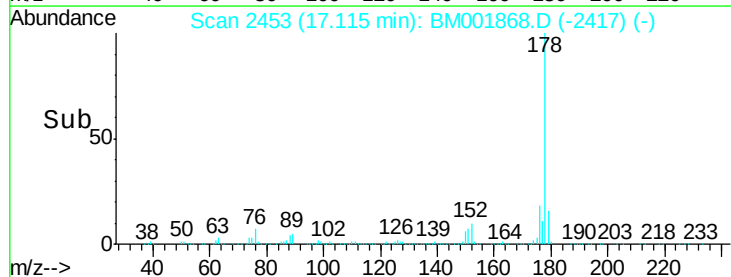
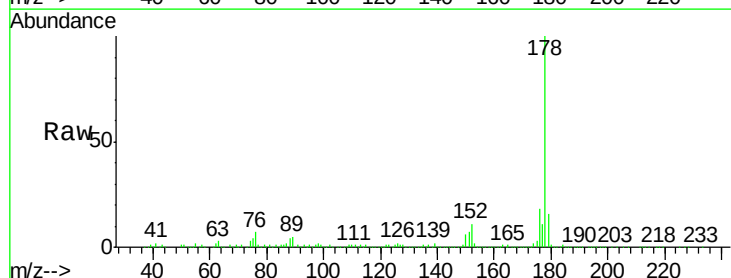
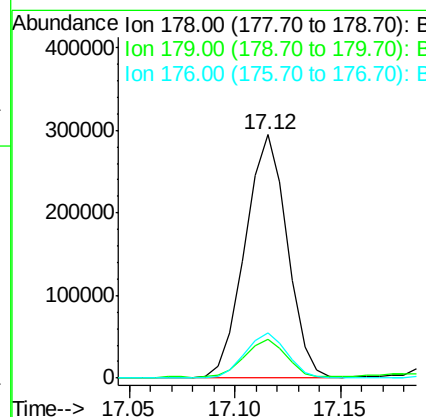
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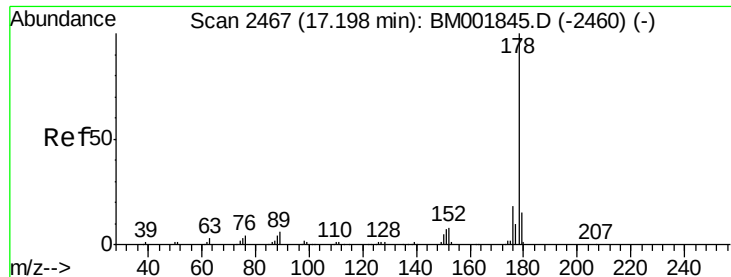
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#69
 Phenanthrene
 Concen: 23.38 ng/ul
 RT: 17.12 min Scan# 2453
 Delta R.T. 0.01 min
 Lab File: BM001868.D
 Acq: 07 Jul 2015 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	406183		
179	16.0	11.9	17.9	
176	18.4	15.2	22.8	





#71

Anthracene

Concen: 5.92 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM001868.D

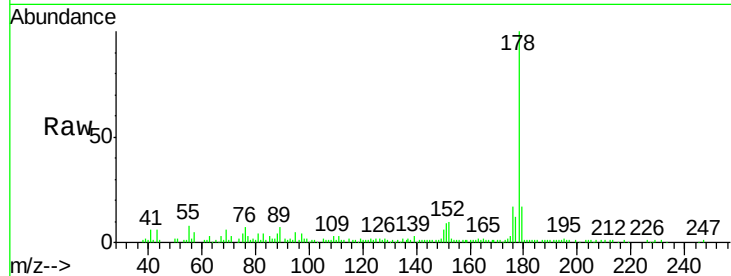
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Instrument :

BNA_M

ClientSampleId :

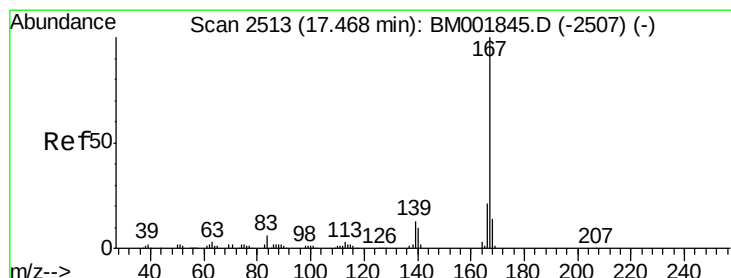
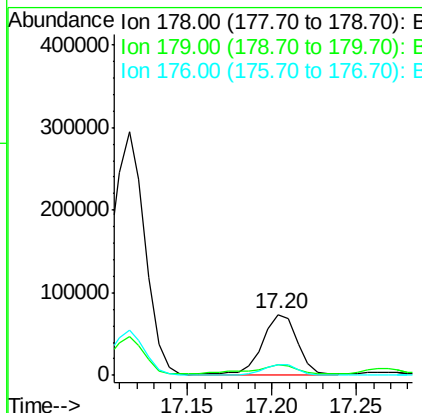
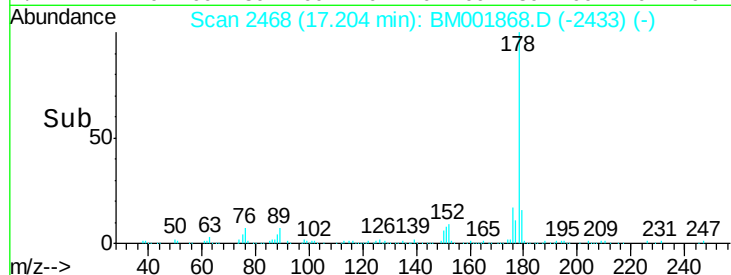
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.0	11.8	17.8
176	17.3	14.4	21.6

Manual Integrations
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#74

Carbazole

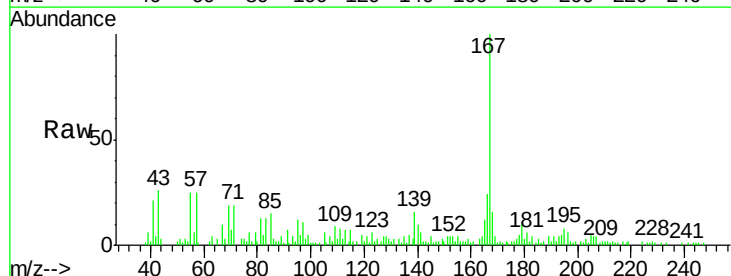
Concen: 2.72 ng/ul

RT: 17.48 min Scan# 2515

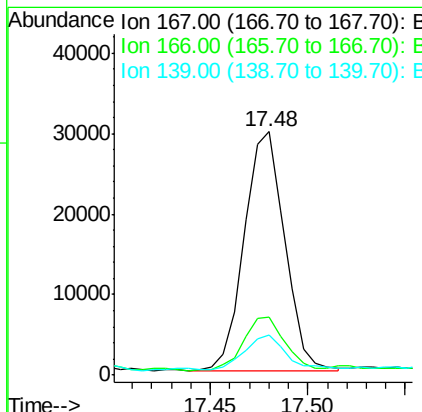
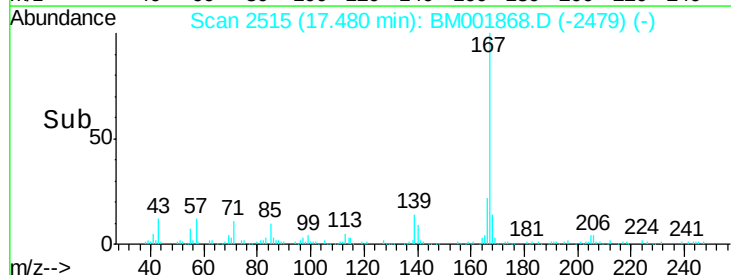
Delta R.T. 0.01 min

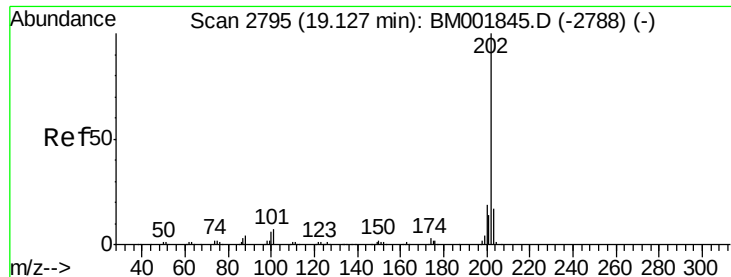
Lab File: BM001868.D

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Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.4	26.2
139	16.3	10.1	15.1#





#76

Fluoranthene

Concen: 28.64 ng/ul

RT: 19.14 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Instrument :

BNA_M

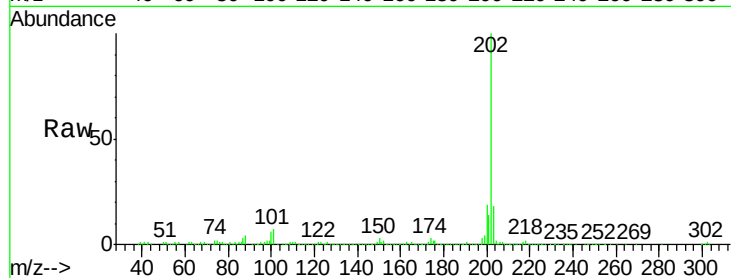
ClientSampleId :

G93L5

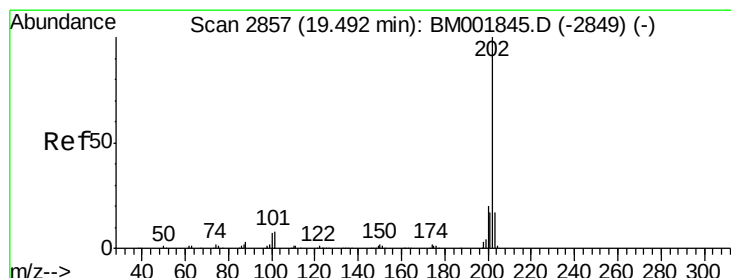
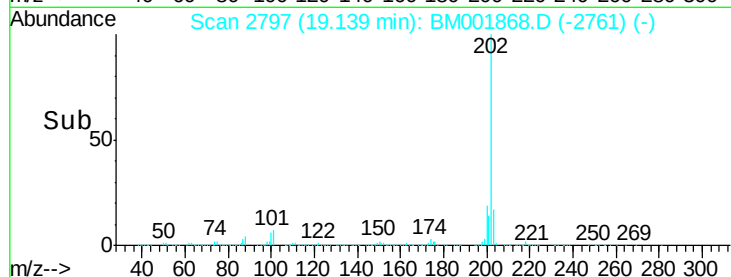
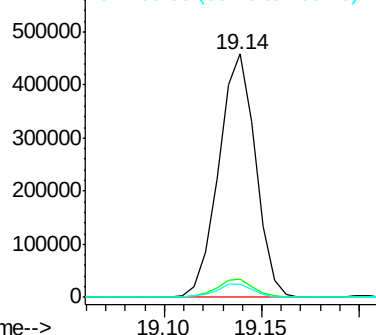
Tgt Ion:	202	Resp:	595163
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.1	9.1
100	5.7	4.8	7.2

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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: 27.37 ng/ul

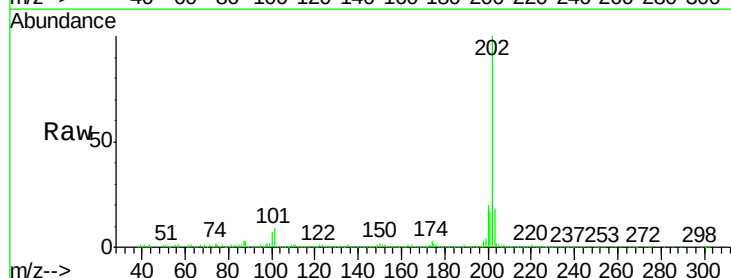
RT: 19.50 min Scan# 2859

Delta R.T. 0.01 min

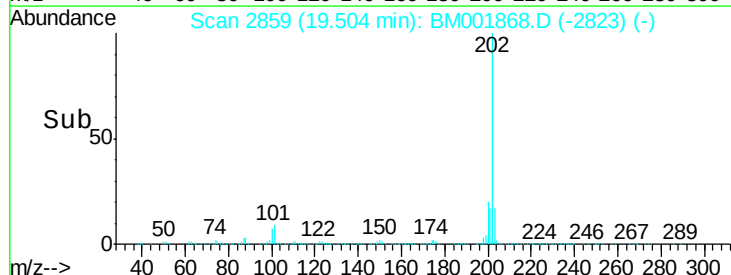
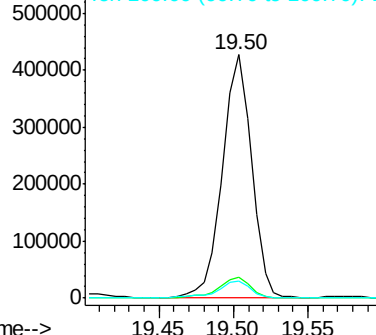
Lab File: BM001868.D

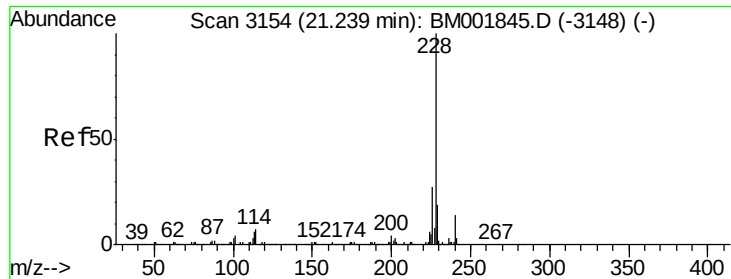
Acq: 07 Jul 2015 15:14

Tgt Ion:	202	Resp:	575499
Ion Ratio	Lower	Upper	
202	100		
101	8.6	6.9	10.3
100	7.1	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: 16.06 ng/ul

RT: 21.26 min Scan# 3157

Delta R.T. 0.02 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Instrument :

BNA_M

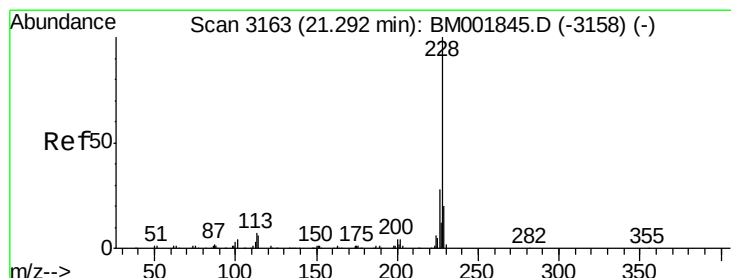
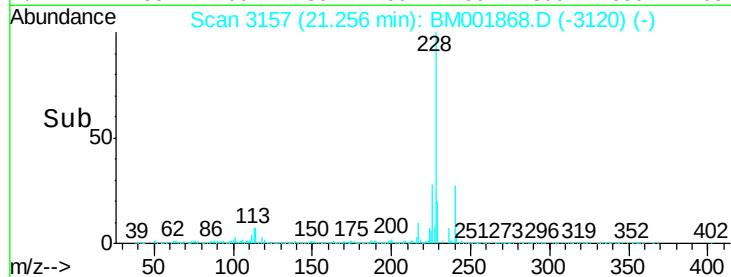
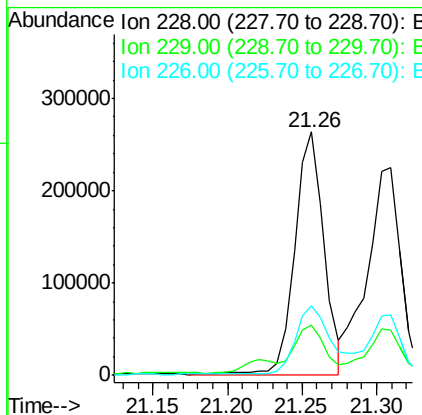
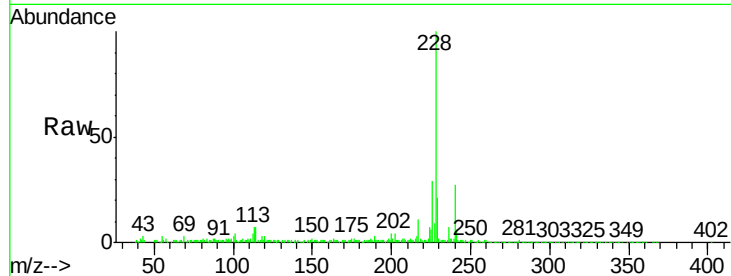
ClientSampleId :

G93L5

Tgt	Ion	228	Resp:	355691
	Ratio	100	Lower	Upper
228				
229	20.7	15.4	23.0	
226	28.7	20.6	30.8	

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#84

Chrysene

Concen: 16.49 ng/ul

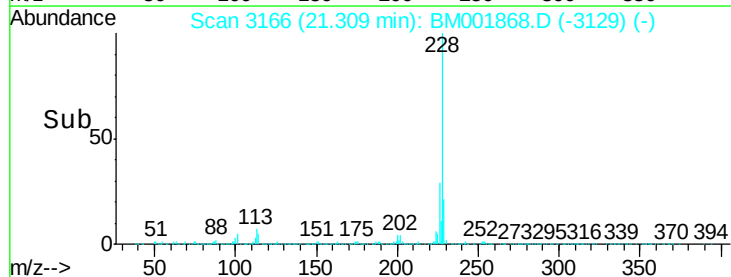
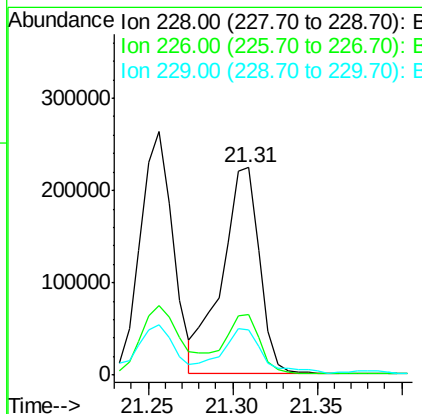
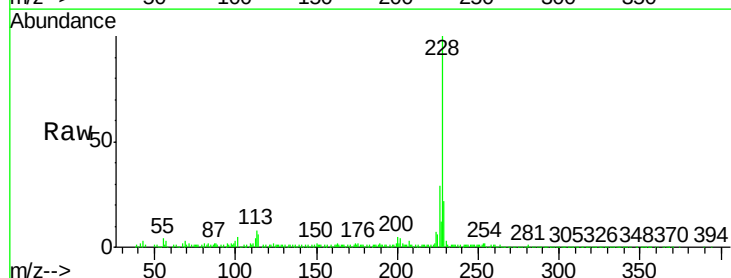
RT: 21.31 min Scan# 3166

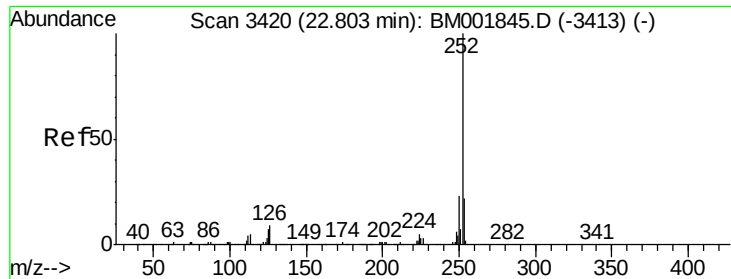
Delta R.T. 0.02 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Tgt	Ion	228	Resp:	346133
	Ratio	100	Lower	Upper
228				
226	29.2	23.0	34.4	
229	21.8	15.4	23.2	





#87

Benzo(b)fluoranthene

Concen: 25.44 ng/ul

RT: 22.84 min Scan# 3426

Delta R.T. 0.04 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Instrument :

BNA_M

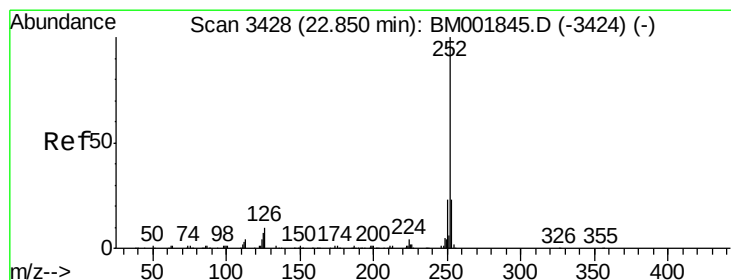
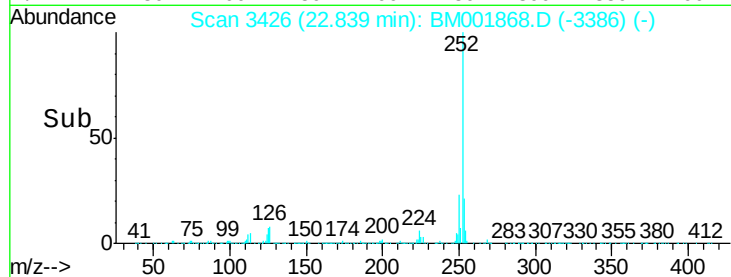
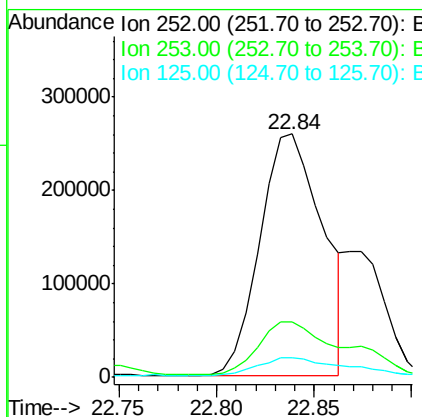
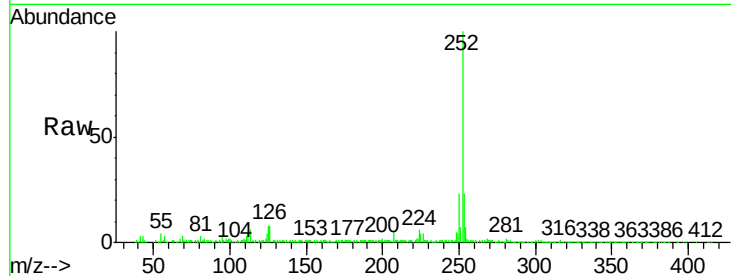
ClientSampleId :

G93L5

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	580310		
253	22.6	17.8	26.6	
125	7.9	5.3	7.9	

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#88

Benzo(k)fluoranthene

Concen: 8.67 ng/ul m

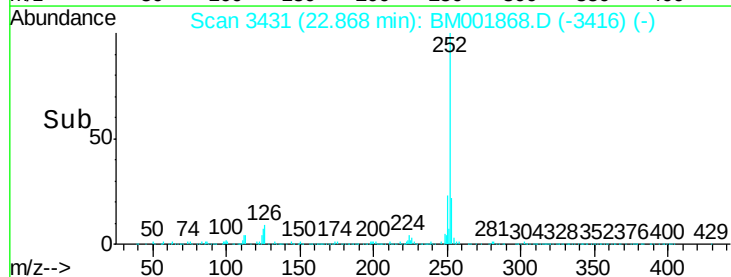
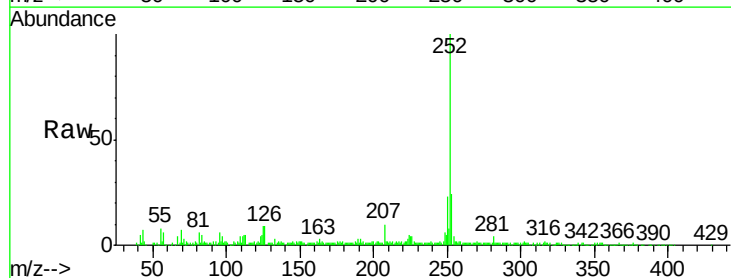
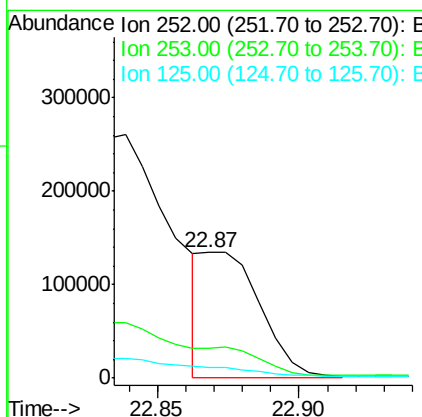
RT: 22.87 min Scan# 3431

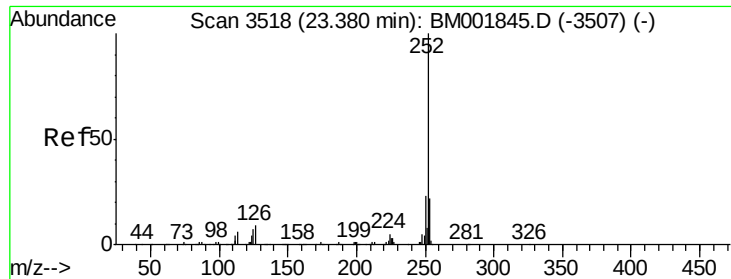
Delta R.T. 0.02 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	191033		
253	24.2	17.1	25.7	
125	8.6	5.3	7.9	





#90

Benzo(a)pyrene

Concen: 19.01 ng/ul

RT: 23.41 min Scan# 3523

Delta R.T. 0.03 min

Lab File: BM001868.D

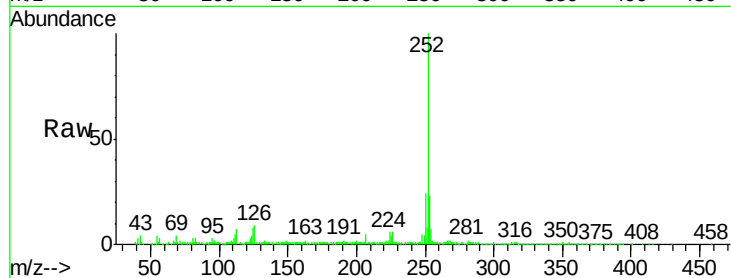
Acq: 07 Jul 2015 15:14

Instrument :

BNA_M

ClientSampleId :

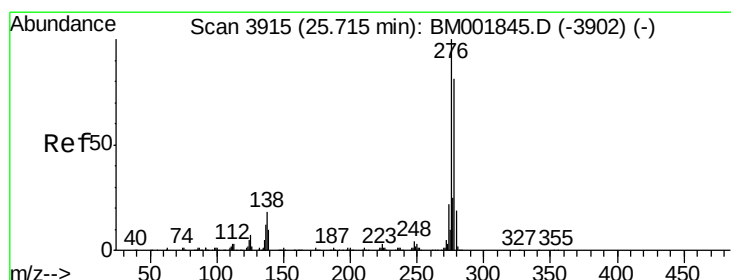
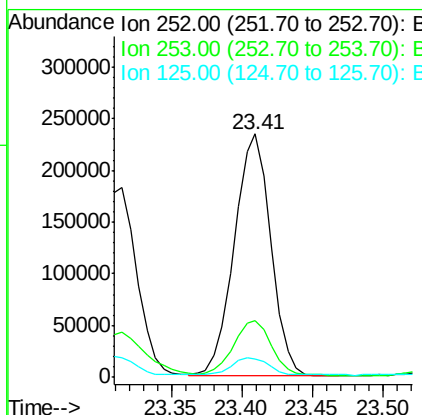
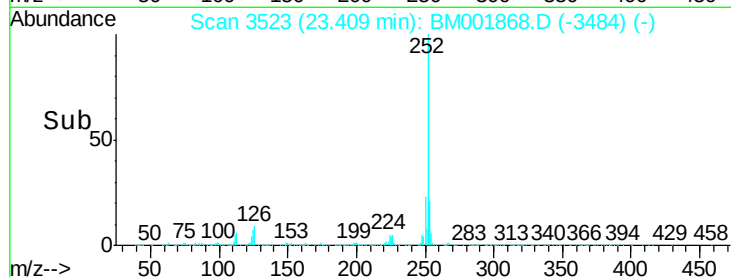
G93L5



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	421756		
253	23.1	17.4	26.0	
125	7.7	6.0	9.0	

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#91

Indeno(1,2,3-cd)pyrene

Concen: 15.90 ng/ul

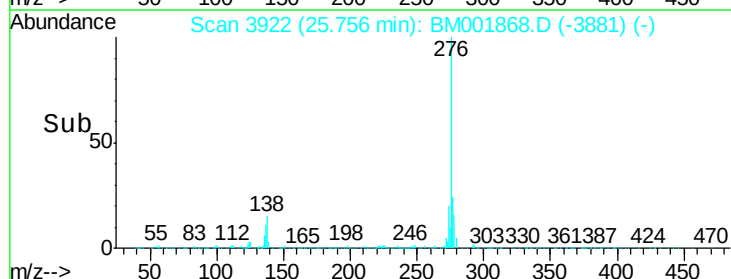
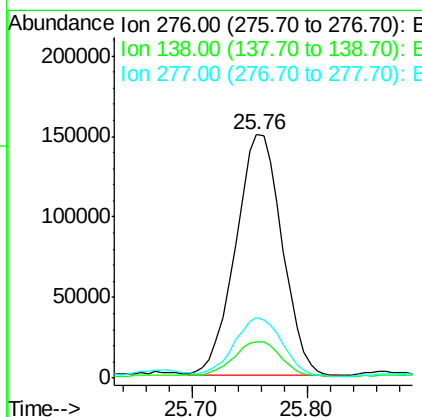
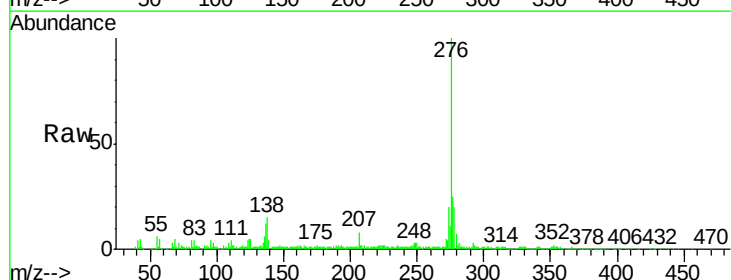
RT: 25.76 min Scan# 3922

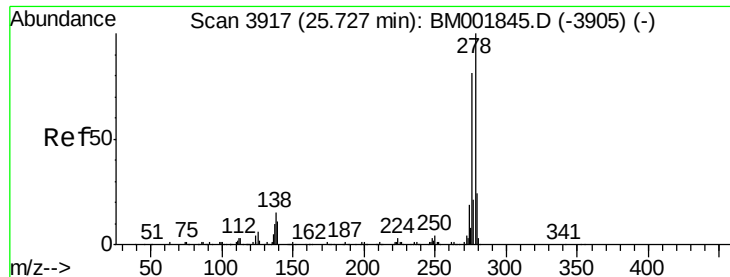
Delta R.T. 0.04 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	418394		
138	15.1	14.7	22.1	
277	24.9	19.7	29.5	





#92

Dibenzo(a,h)anthracene

Concen: 4.69 ng/ul

RT: 25.77 min Scan# 3924

Delta R.T. 0.04 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Instrument :

BNA_M

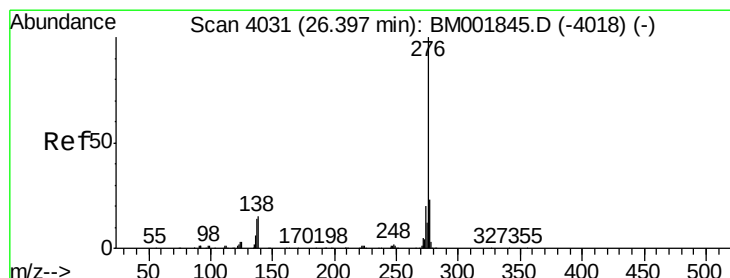
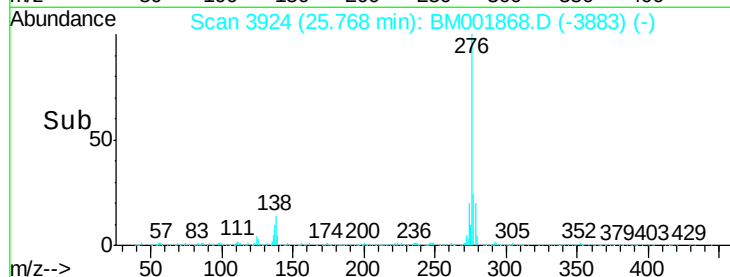
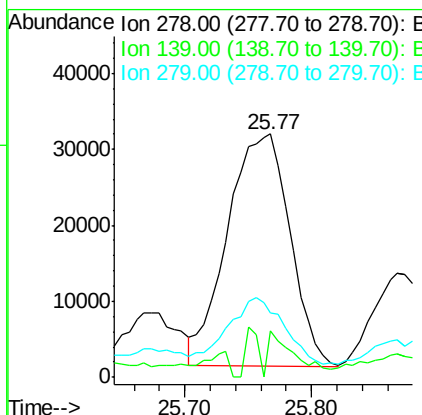
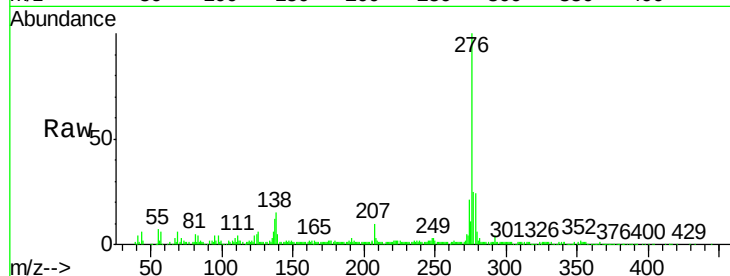
ClientSampleId :

G93L5

Tgt Ion:	278	Resp:	104109
Ion Ratio	Lower	Upper	
278	100		
139	19.2	9.2	13.8#
279	26.6	19.1	28.7

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#93

Benzo(g,h,i)perylene

Concen: 14.42 ng/ul

RT: 26.46 min Scan# 4041

Delta R.T. 0.05 min

Lab File: BM001868.D

Acq: 07 Jul 2015 15:14

Tgt Ion:	276	Resp:	319144
Ion Ratio	Lower	Upper	
276	100		
138	16.0	12.6	19.0
277	23.9	18.7	28.1

