

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001867.D
 Acq On : 07 Jul 2015 14:38
 Operator : TP/UM
 Sample : G2860-21
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93K6

Manual Integrations
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Quant Time: Jul 08 04:50:52 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	66130	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	252785	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.33	164	149042	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.08	188	326325	20.00	ng/ul	0.02
77) Chrysene-d12	21.27	240	398675	20.00	ng/ul	0.02
85) Perylene-d12	23.50	264	415073	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	5442	3.92	ng/uL	0.00
5) Phenol-d5	6.83	99	116998	23.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	68514	24.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	96221	23.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	93838	23.02	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	44523	25.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	51163	26.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	98666	24.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	120994	29.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	262287	23.73	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	347162	23.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	39609	19.43	ng/ul	0.01
57) Fluorene-d10	15.32	176	249413	24.32	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.46	200	10195	5.11	ng/ul	0.02
70) Anthracene-d10	17.17	188	384903	25.32	ng/ul	0.01
78) Pyrene-d10	19.47	212	446943	26.47	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.36	264	458755	25.07	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.52	128	2419925	189.60	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	1215059	131.64	ng/ul	99
40) 1,1'-Biphenyl	13.15	154	231440	19.02	ng/ul	99
44) Dimethylphthalate	13.78	163	49778	4.12	ng/ul	99
47) Acenaphthylene	14.04	152	270419	18.31	ng/ul#	95
49) Acenaphthene	14.39	153	202588	20.52	ng/ul	98
53) Dibenzofuran	14.73	168	201092	14.23	ng/ul	93
58) Fluorene	15.38	166	564764	48.00	ng/ul	100
69) Phenanthrene	17.13	178	3802487	214.90	ng/ul	99
71) Anthracene	17.21	178	641114	35.29	ng/ul	99
74) Carbazole	17.48	167	18756	1.18	ng/ul#	75
76) Fluoranthene	19.14	202	1553349	73.40	ng/ul	99
79) Pyrene	19.51	202	3020954	136.58	ng/ul	98
82) Benzo(a)anthracene	21.26	228	830063	35.63	ng/ul	96
84) Chrysene	21.31	228	653415	29.59	ng/ul	99
87) Benzo(b)fluoranthene	22.84	252	665634	27.55	ng/ul#	99
88) Benzo(k)fluoranthene	22.86	252	201269m	8.62	ng/ul	
90) Benzo(a)pyrene	23.41	252	798020	33.95	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.76	276	338967	12.16	ng/ul#	95
92) Dibenzo(a,h)anthracene	25.76	278	93096	3.96	ng/ul#	93
93) Benzo(g,h,i)perylene	26.45	276	341733	14.58	ng/ul	98

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ALS Vial : 36 Sample Multiplier: 1

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

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

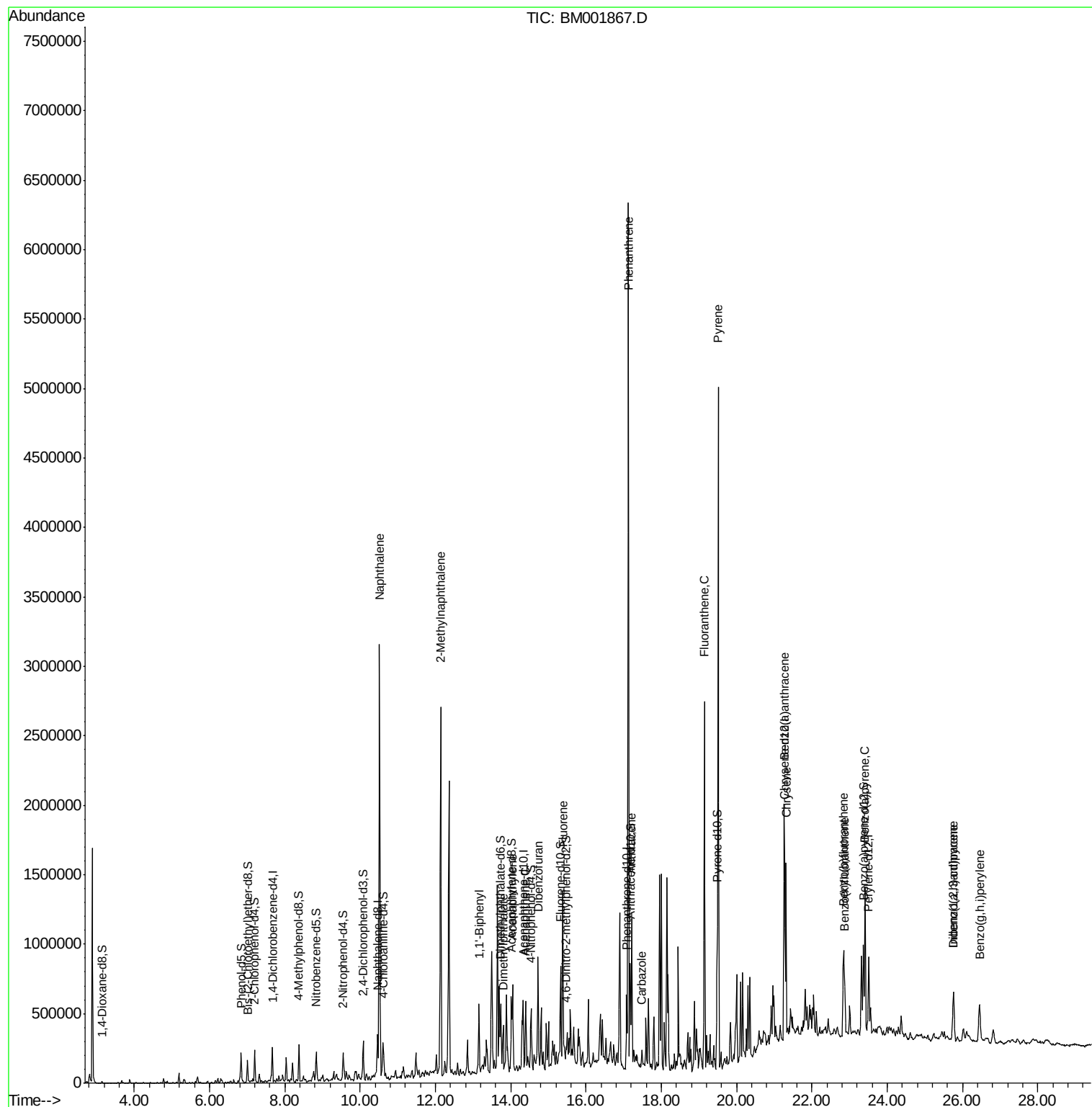
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Data File : BM001867.D
Acq On : 07 Jul 2015 14:38
Operator : TP/UM
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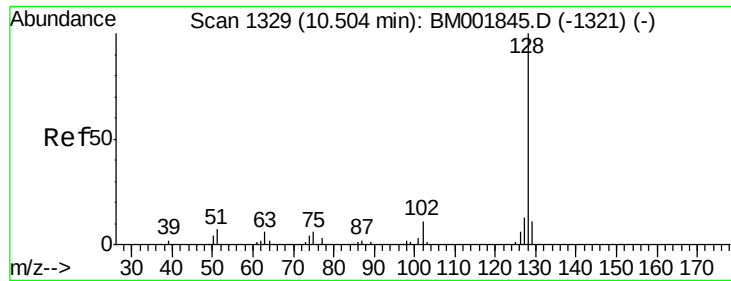
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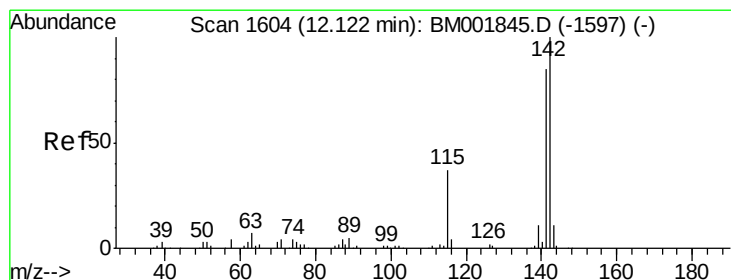
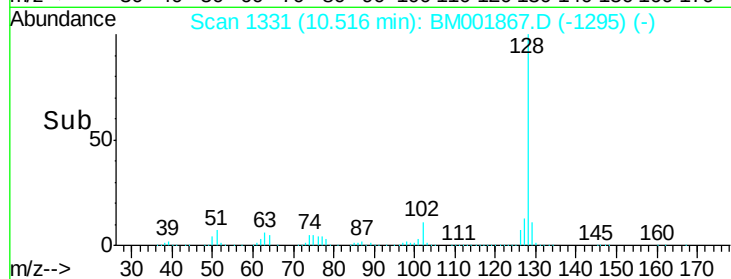
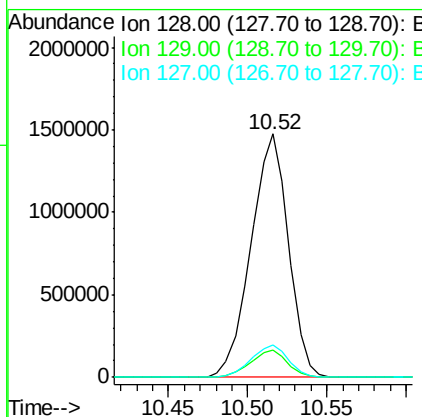
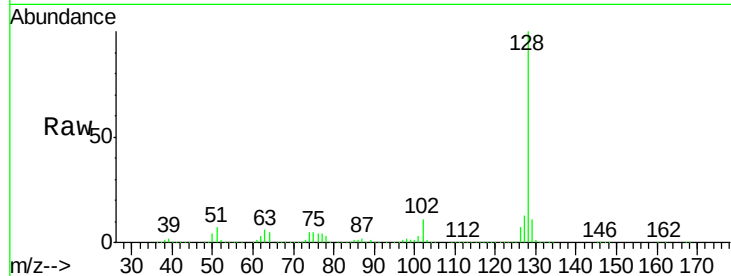
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Naphthalene
Concen: 189.60 ng/ul
RT: 10.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Instrument :
BNA_M
ClientSampleId :
G93K6

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.0	15.0

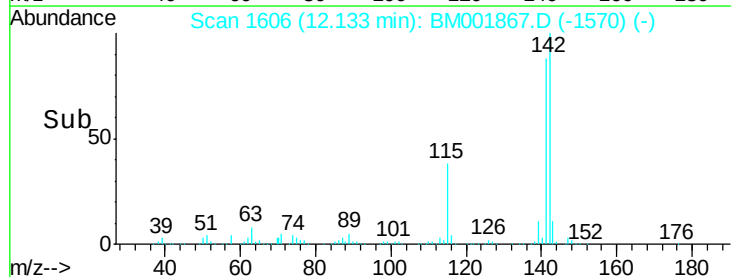
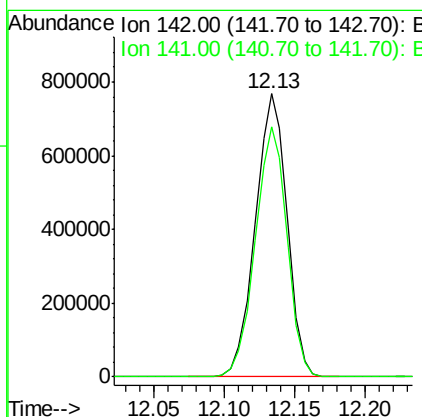
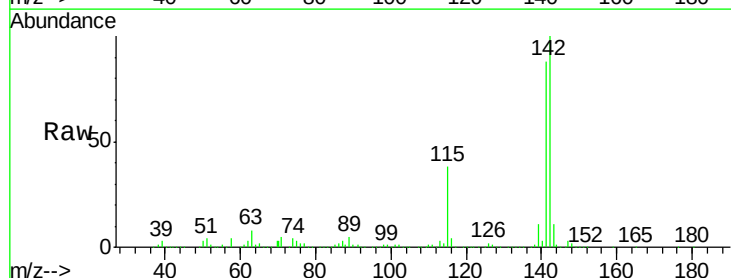
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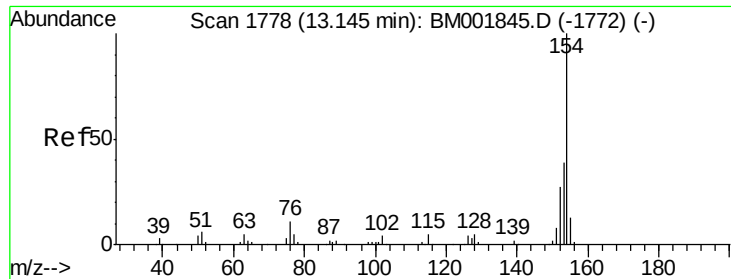
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#34
2-Methylnaphthalene
Concen: 131.64 ng/ul
RT: 12.13 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.6	107.4





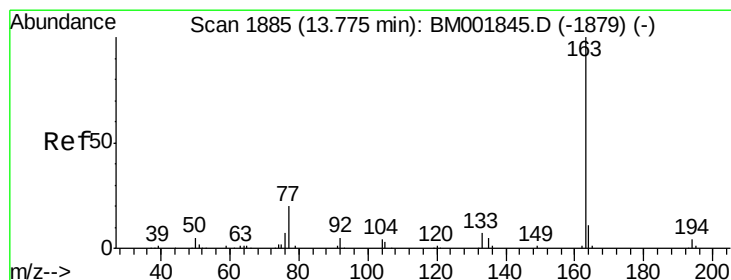
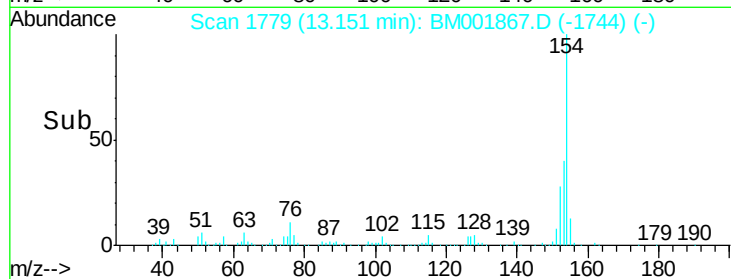
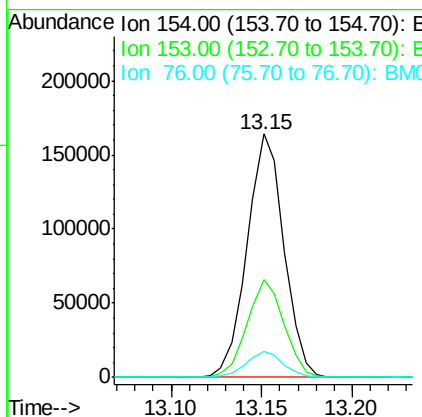
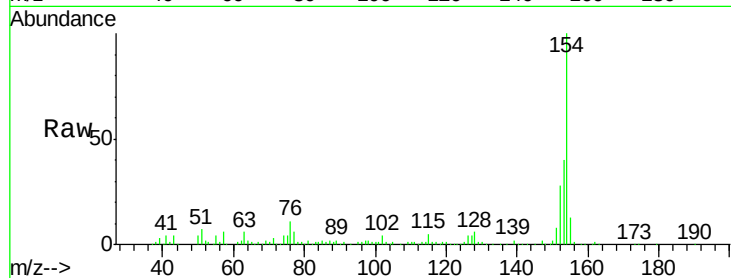
#40
1,1'-Biphenyl
Concen: 19.02 ng/ul
RT: 13.15 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Instrument :
BNA_M
ClientSampleId :
G93K6

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	231440		
153	39.9	32.5	48.7	
76	10.8	9.0	13.6	

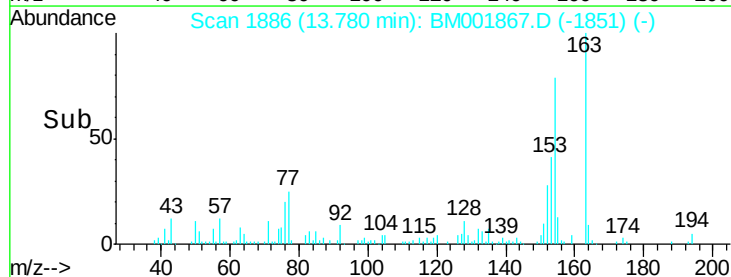
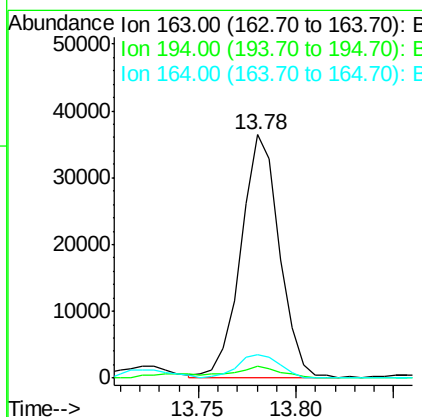
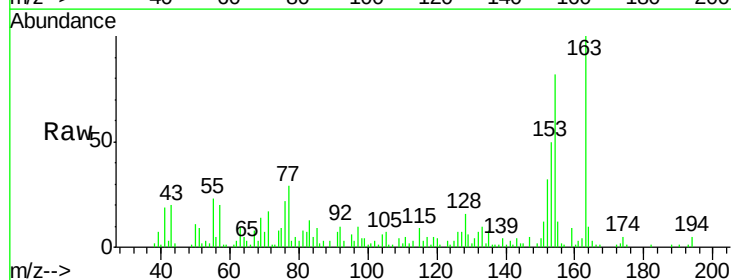
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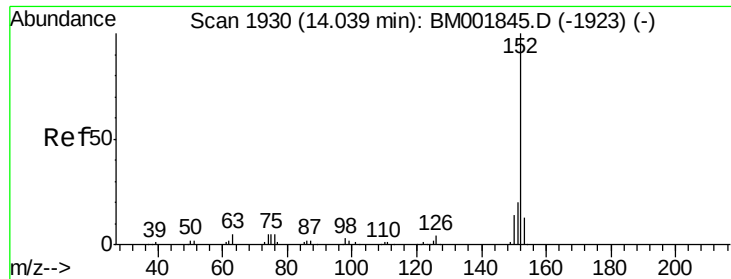
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#44
Dimethylphthalate
Concen: 4.12 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	49778		
194	4.8	3.6	5.4	
164	9.9	8.0	12.0	





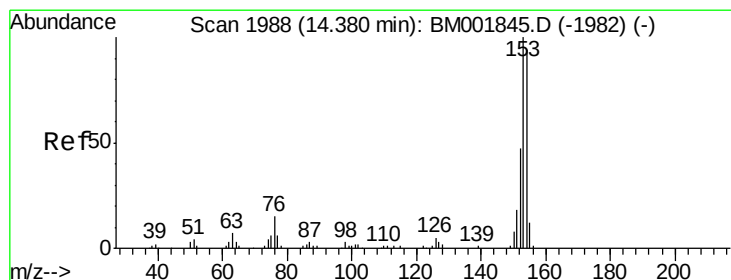
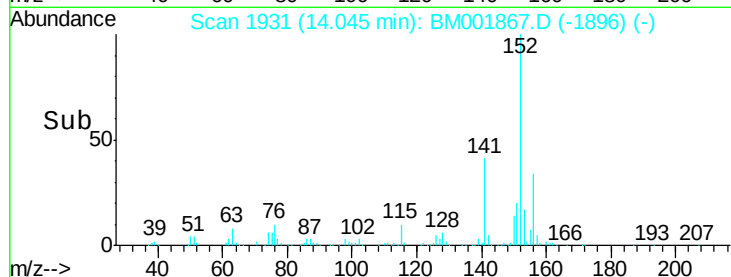
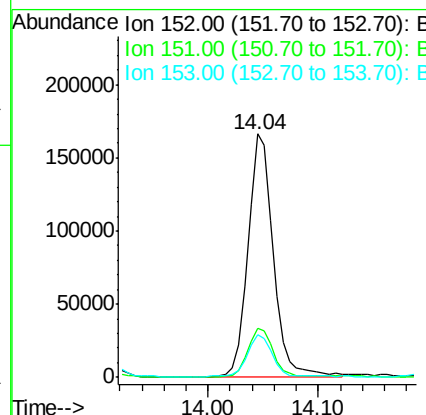
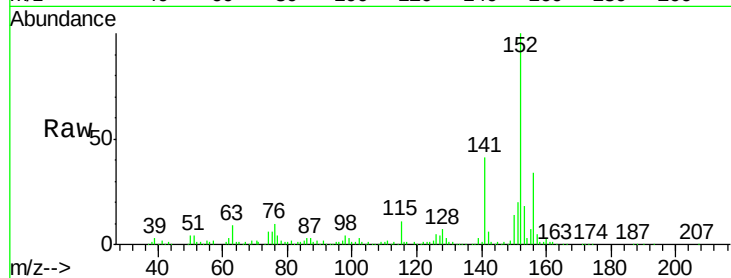
#47
Acenaphthylene
Concen: 18.31 ng/ul
RT: 14.04 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Instrument :
BNA_M
ClientSampleId :
G93K6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	270419		
151	20.3		15.9	23.9
153	17.5		10.0	15.0#

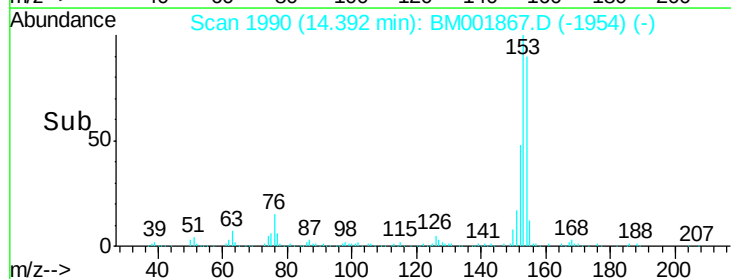
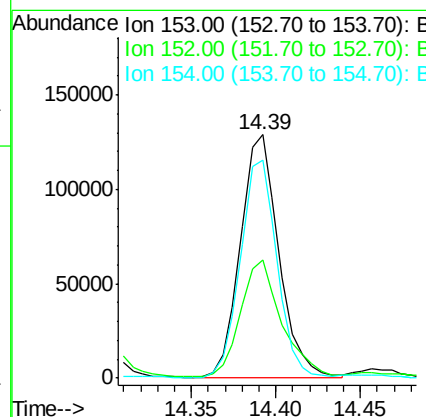
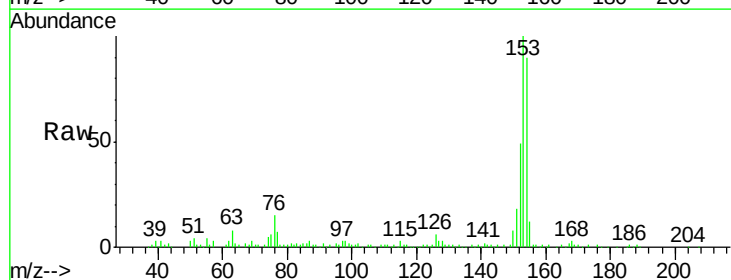
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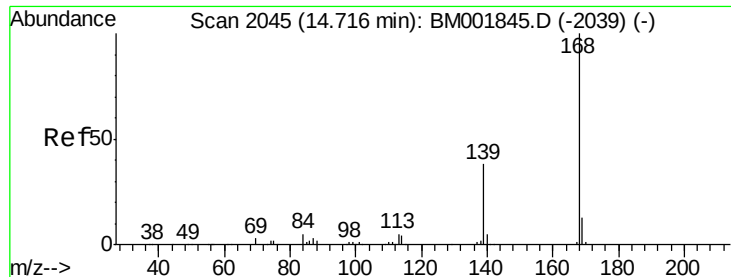
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#49
Acenaphthene
Concen: 20.52 ng/ul
RT: 14.39 min Scan# 1990
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	202588		
152	48.7		36.6	55.0
154	89.5		72.6	108.8





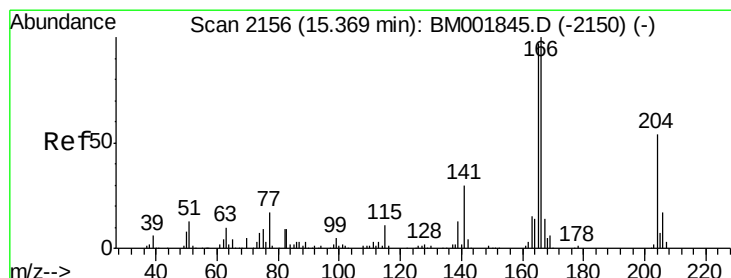
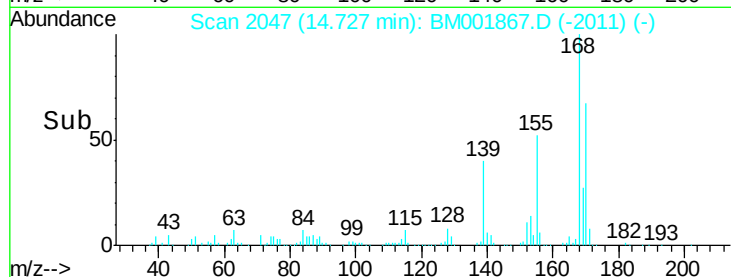
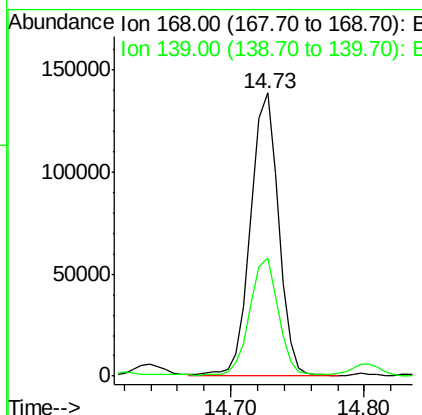
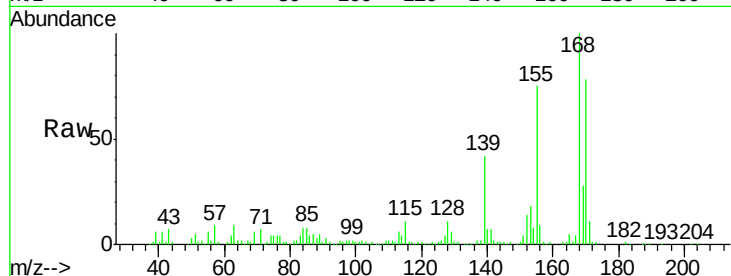
#53
Dibenzenofuran
Concen: 14.23 ng/ul
RT: 14.73 min Scan# 2047
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Instrument :
BNA_M
ClientSampleId :
G93K6

Tgt Ion:168 Resp: 201092
Ion Ratio Lower Upper
168 100
139 41.9 30.1 45.1

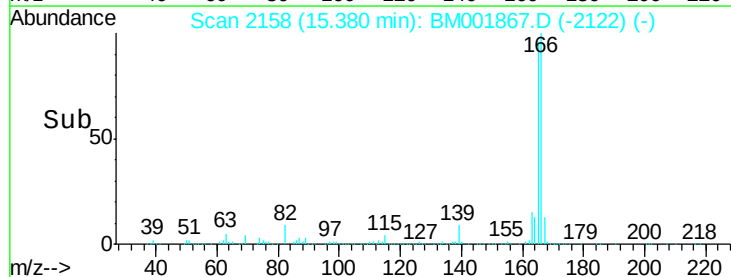
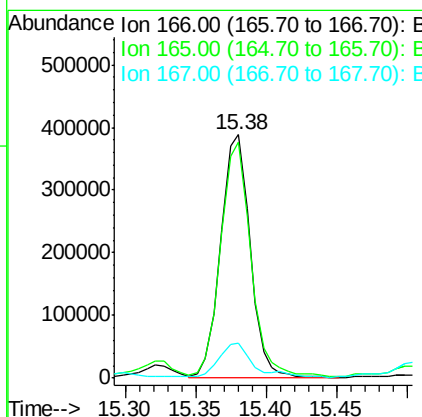
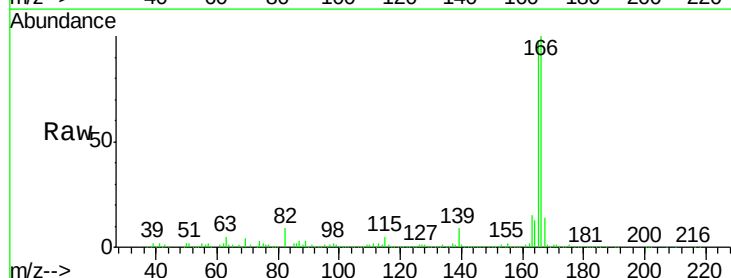
Manual Integrations
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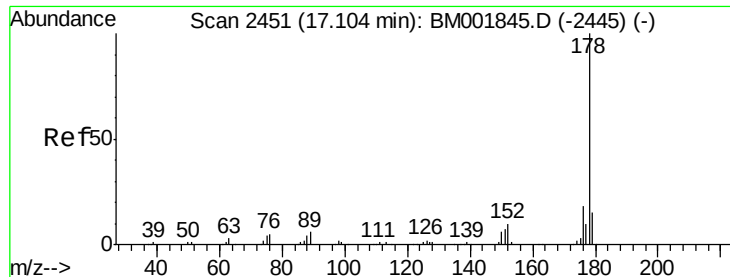
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#58
Fluorene
Concen: 48.00 ng/ul
RT: 15.38 min Scan# 2158
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Tgt Ion:166 Resp: 564764
Ion Ratio Lower Upper
166 100
165 96.7 77.4 116.2
167 14.1 11.3 16.9





#69
 Phenanthrene
 Concen: 214.90 ng/ul
 RT: 17.13 min Scan# 2455
 Delta R.T. 0.02 min
 Lab File: BM001867.D
 Acq: 07 Jul 2015 14:38

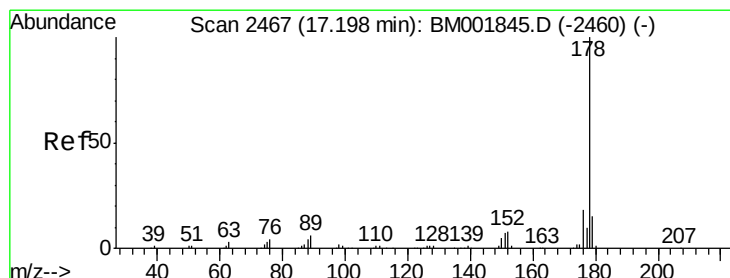
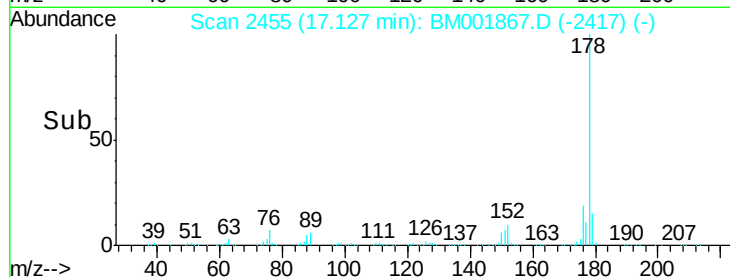
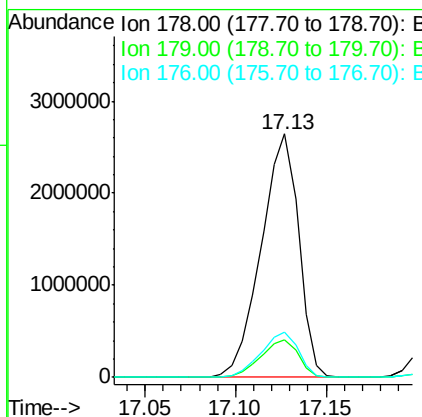
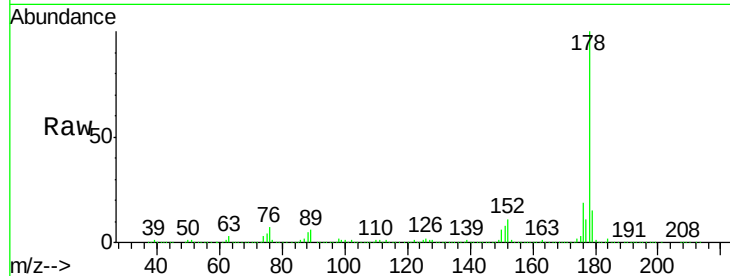
Instrument :
 BNA_M
 ClientSampleId :
 G93K6

Tgt Ion:178 Resp: 3802487

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	18.7	15.2	22.8

Manual Integrations
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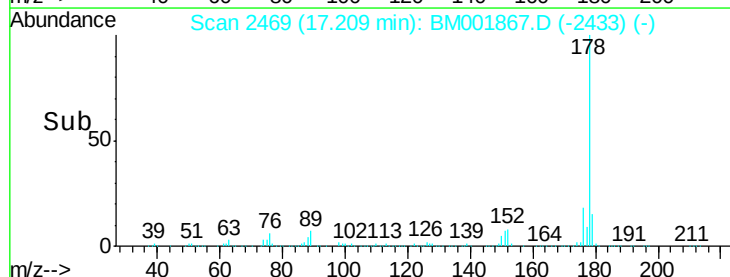
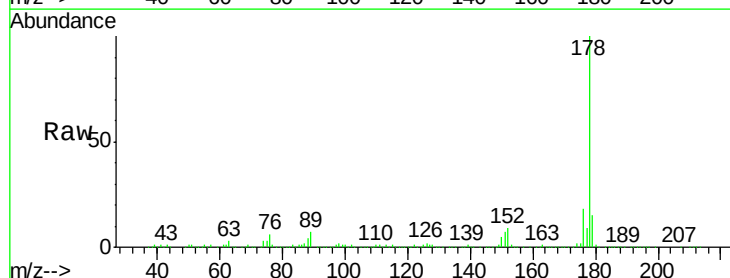
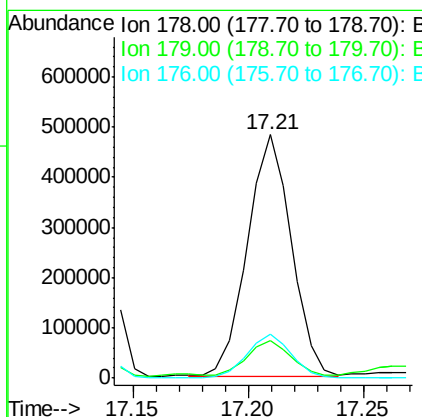
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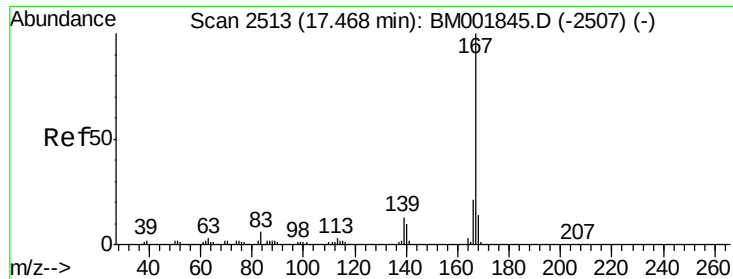


#71
 Anthracene
 Concen: 35.29 ng/ul
 RT: 17.21 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BM001867.D
 Acq: 07 Jul 2015 14:38

Tgt Ion:178 Resp: 641114

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.8
176	17.9	14.4	21.6





#74

Carbazole

Concen: 1.18 ng/ul

RT: 17.48 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BM001867.D

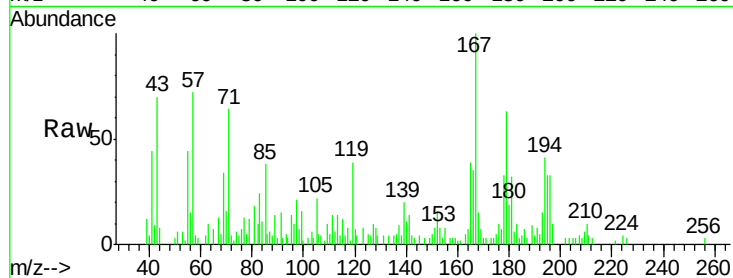
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Instrument :

BNA_M

ClientSampleId :

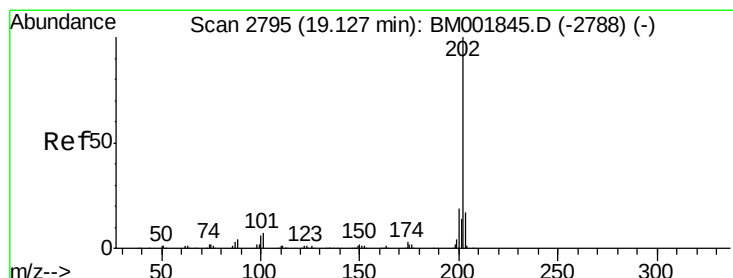
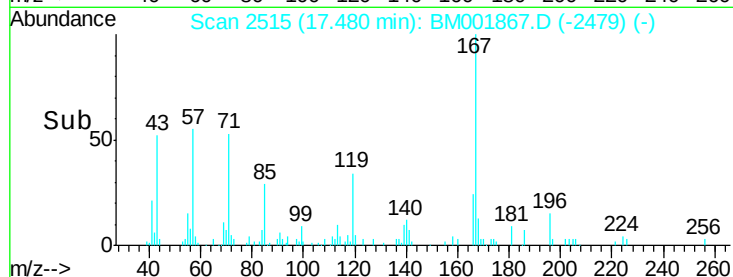
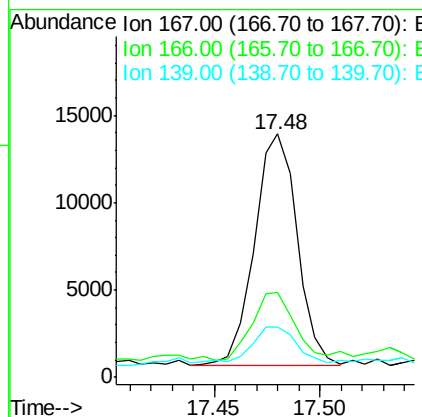
G93K6



Tgt Ion:	167	Resp:	18756
Ion Ratio	Lower	Upper	
167	100		
166	35.0	17.4	26.2#
139	20.5	10.1	15.1#

Manual Integrations
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#76

Fluoranthene

Concen: 73.40 ng/ul

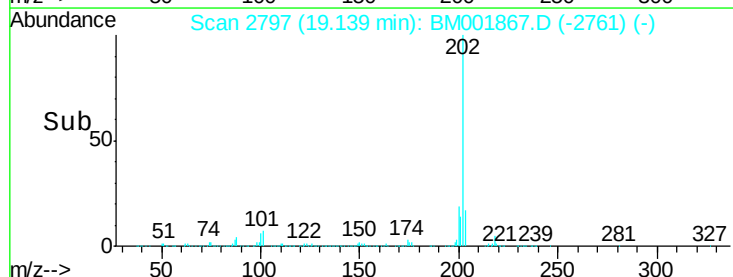
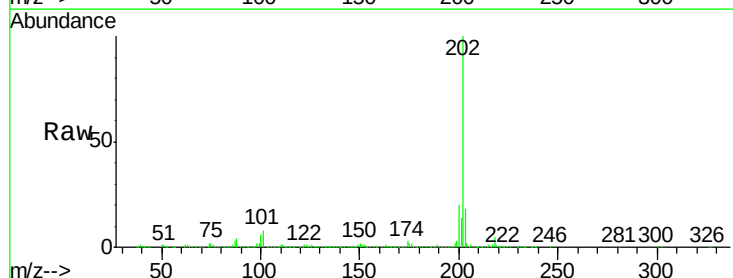
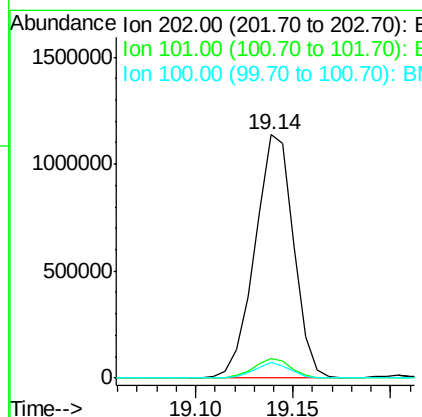
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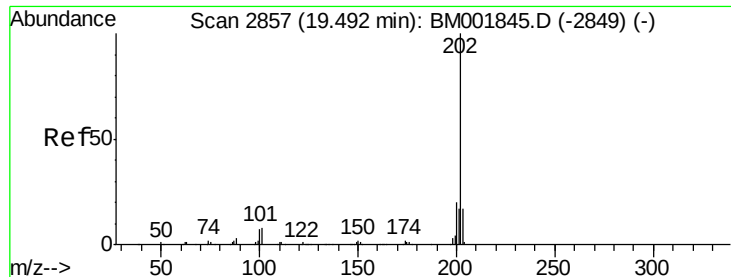
Delta R.T. 0.01 min

Lab File: BM001867.D

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Tgt Ion:	202	Resp:	1553349
Ion Ratio	Lower	Upper	
202	100		
101	7.9	6.1	9.1
100	6.4	4.8	7.2





#79

Pyrene

Concen: 136.58 ng/ul

RT: 19.51 min Scan# 2860

Delta R.T. 0.02 min

Lab File: BM001867.D

Acq: 07 Jul 2015 14:38

Instrument :

BNA_M

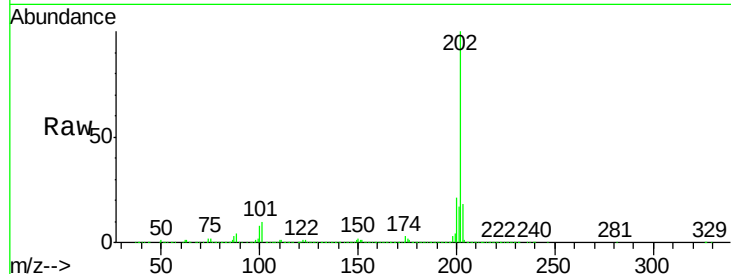
ClientSampleId :

G93K6

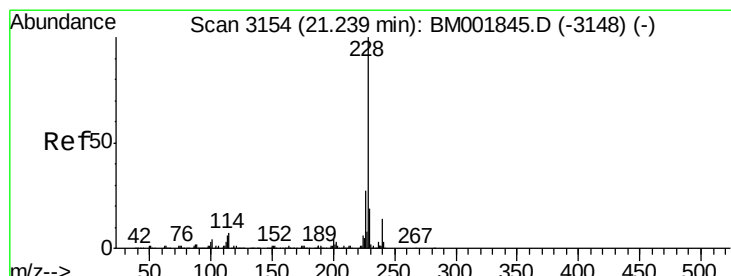
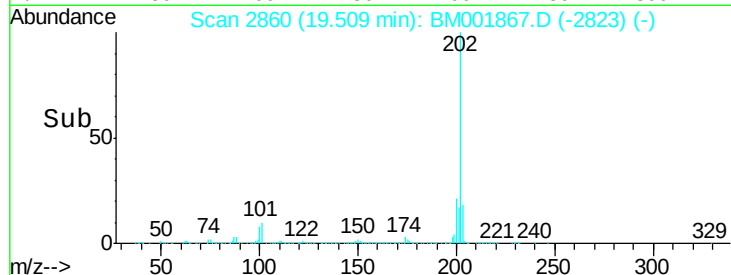
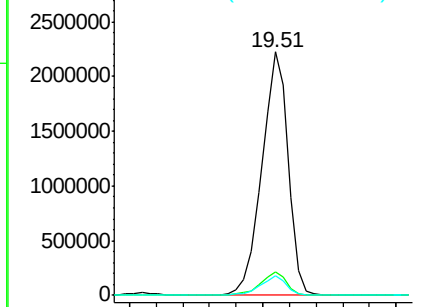
Tgt Ion:	202	Resp:	3020954
Ion	Ratio	Lower	Upper
202	100		
101	9.7	6.9	10.3
100	8.0	6.2	9.2

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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



#82

Benzo(a)anthracene

Concen: 35.63 ng/ul

RT: 21.26 min Scan# 3157

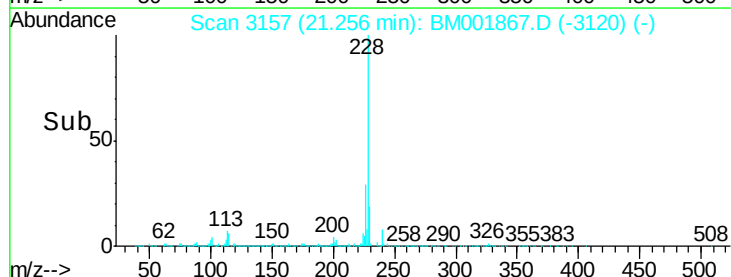
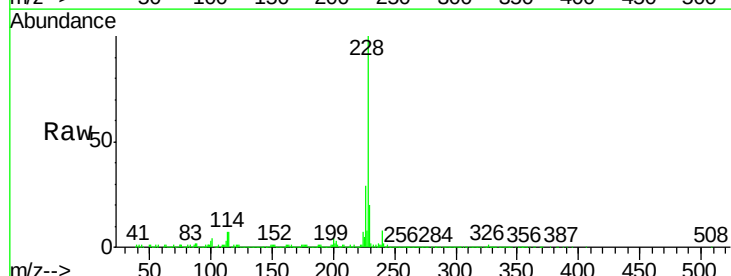
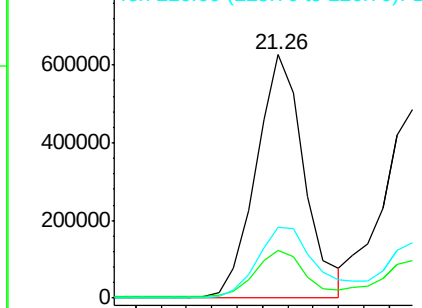
Delta R.T. 0.02 min

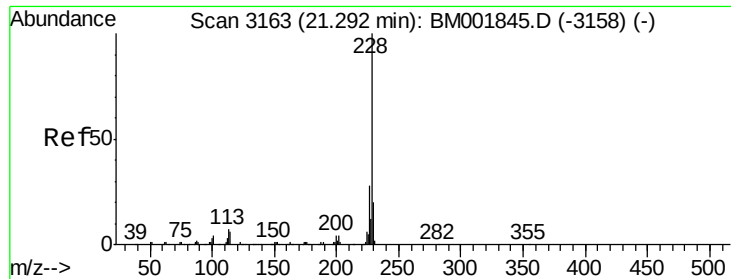
Lab File: BM001867.D

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Tgt Ion:	228	Resp:	830063
Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.4	23.0
226	29.2	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: 29.59 ng/ul

RT: 21.31 min Scan# 3166

Delta R.T. 0.02 min

Lab File: BM001867.D

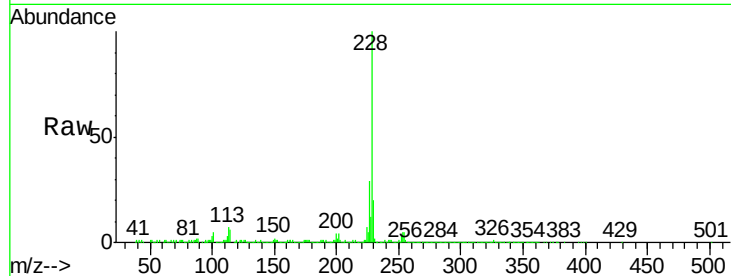
Acq: 07 Jul 2015 14:38

Instrument :

BNA_M

ClientSampleId :

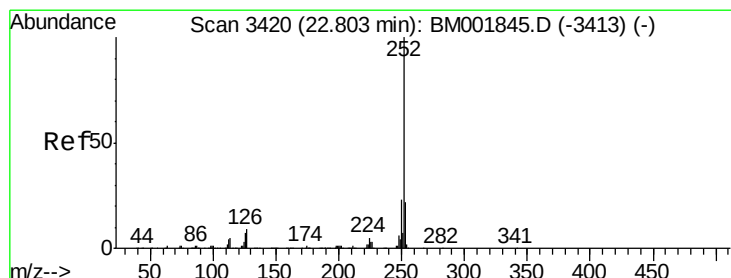
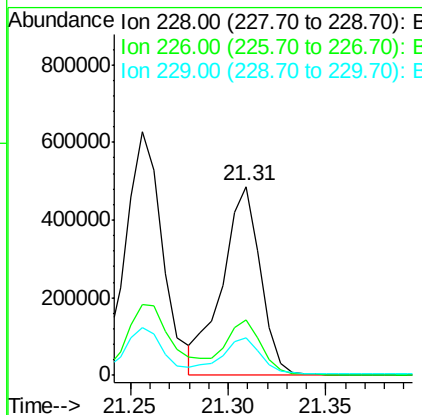
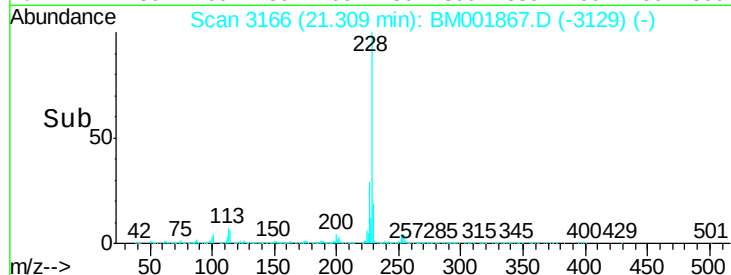
G93K6



Tgt Ion:	228	Resp:	653415
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.0	34.4
229	19.8	15.4	23.2

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#87

Benzo(b)fluoranthene

Concen: 27.55 ng/ul

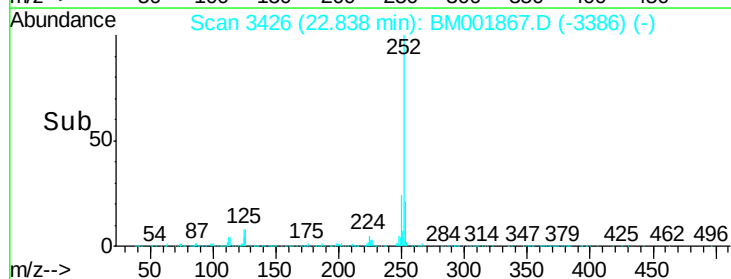
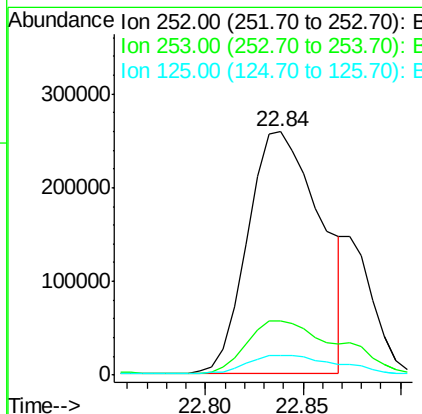
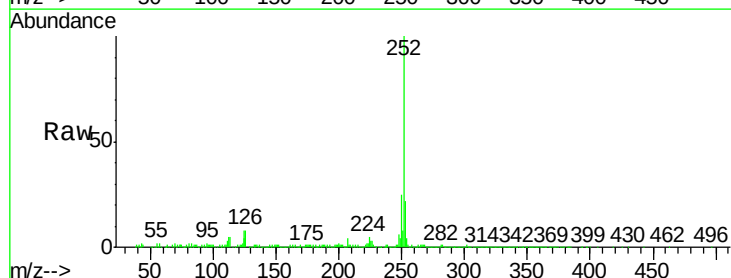
RT: 22.84 min Scan# 3426

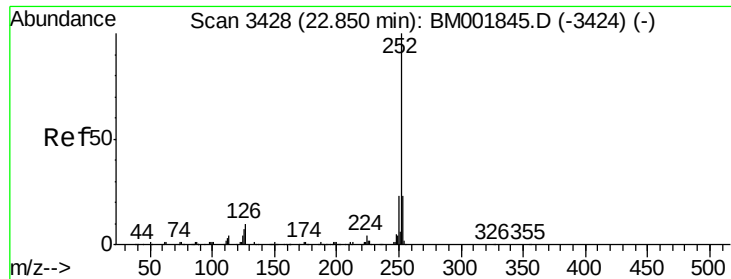
Delta R.T. 0.04 min

Lab File: BM001867.D

Acq: 07 Jul 2015 14:38

Tgt Ion:	252	Resp:	665634
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	8.2	5.3	7.9#





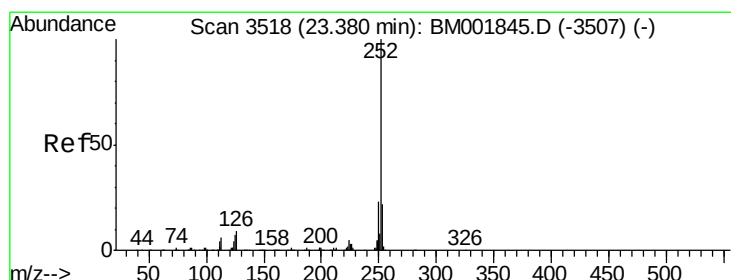
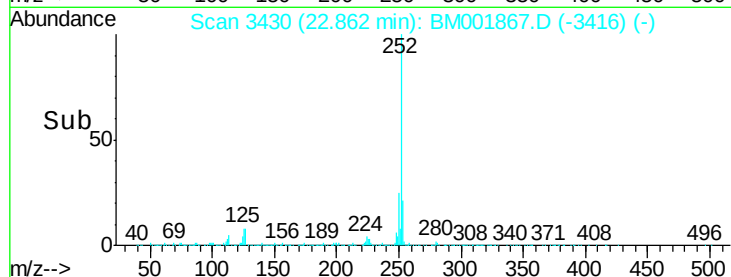
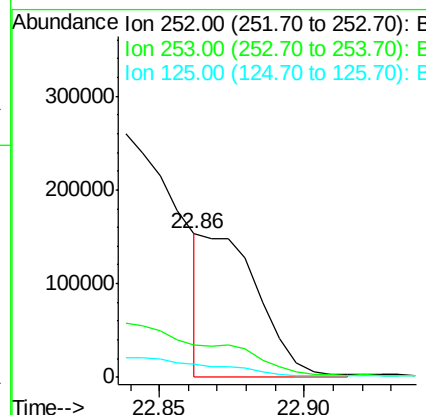
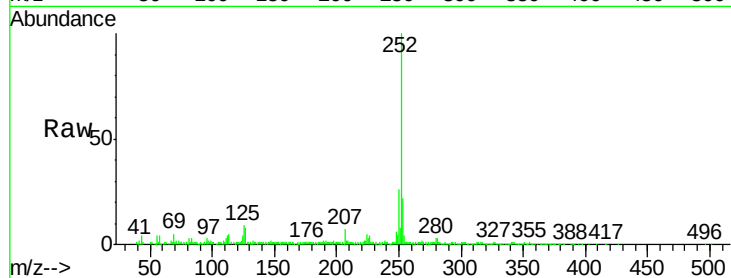
#88
Benzo(k)fluoranthene
Concen: 8.62 ng/ul m
RT: 22.86 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Instrument :
BNA_M
ClientSampleId :
G93K6

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	201269		
253	22.5	17.1	25.7	
125	9.1	5.3	7.9	

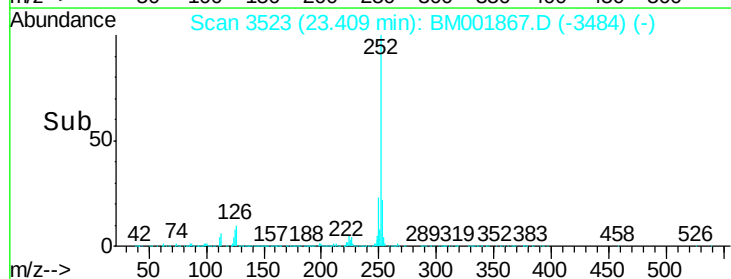
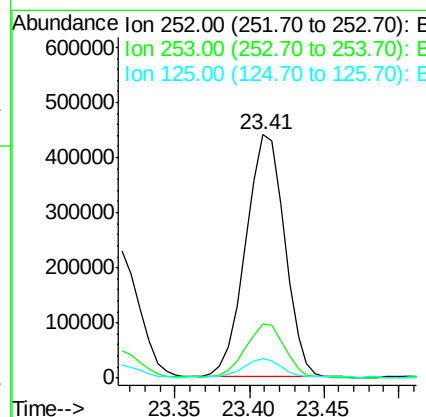
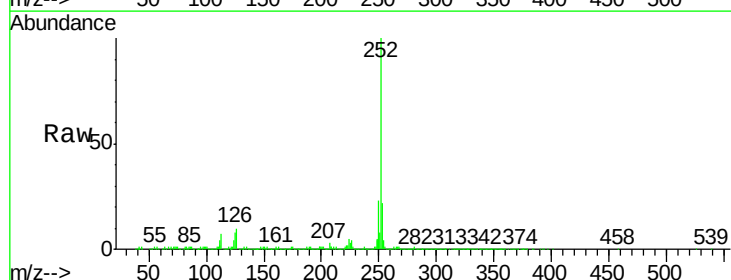
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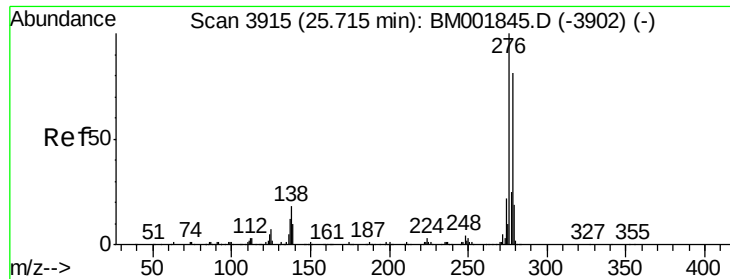
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#90
Benzo(a)pyrene
Concen: 33.95 ng/ul
RT: 23.41 min Scan# 3523
Delta R.T. 0.03 min
Lab File: BM001867.D
Acq: 07 Jul 2015 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	798020		
253	22.3	17.4	26.0	
125	8.1	6.0	9.0	





#91

Indeno(1,2,3-cd)pyrene

Concen: 12.16 ng/ul

RT: 25.76 min Scan# 3922

Delta R.T. 0.04 min

Lab File: BM001867.D

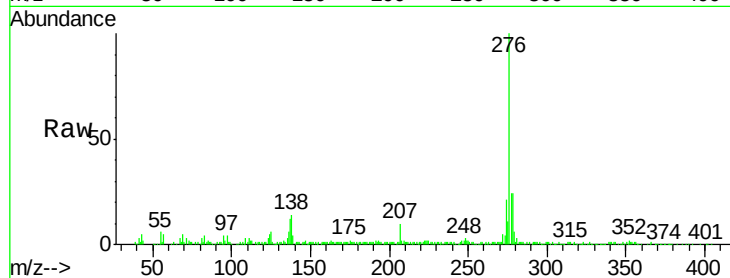
Acq: 07 Jul 2015 14:38

Instrument :

BNA_M

ClientSampleId :

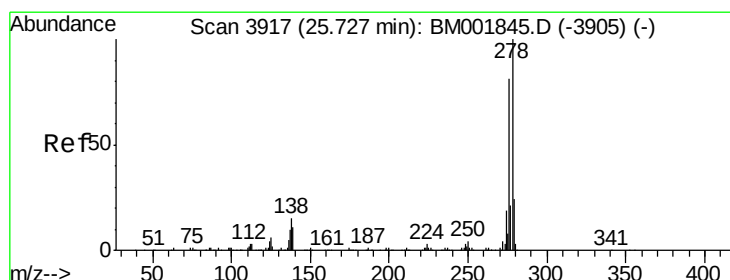
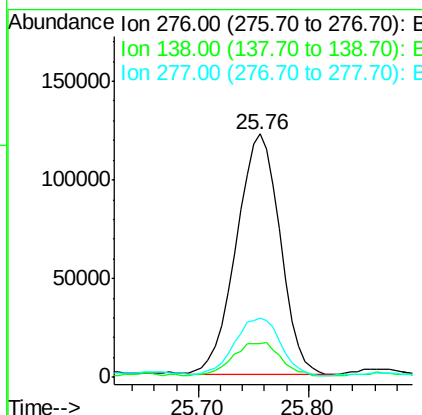
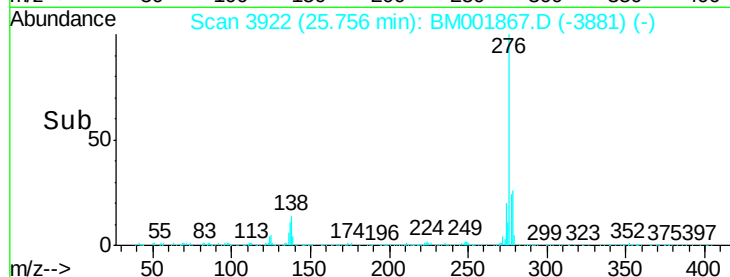
G93K6



Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	14.7	22.1#
277	24.3	19.7	29.5

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#92

Dibenzo(a,h)anthracene

Concen: 3.96 ng/ul

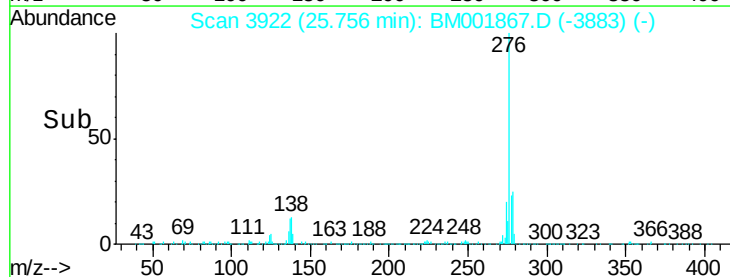
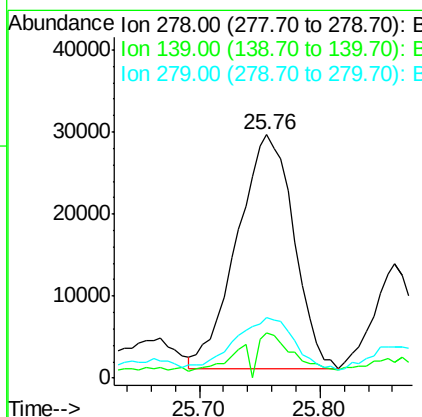
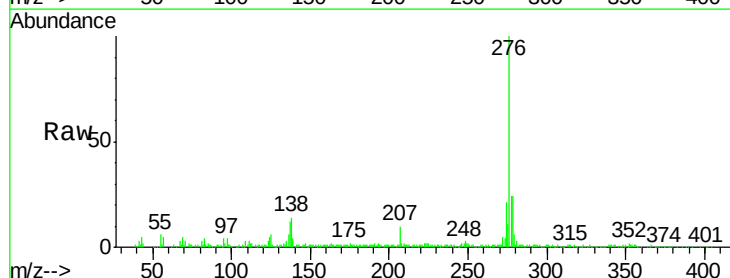
RT: 25.76 min Scan# 3922

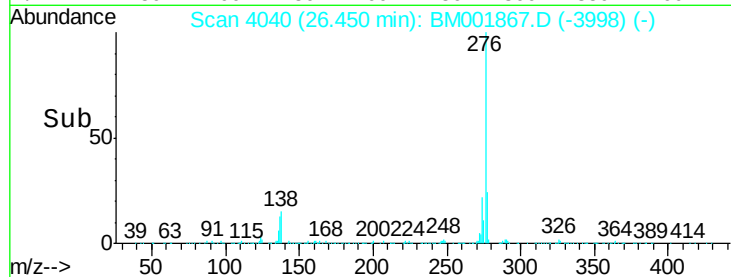
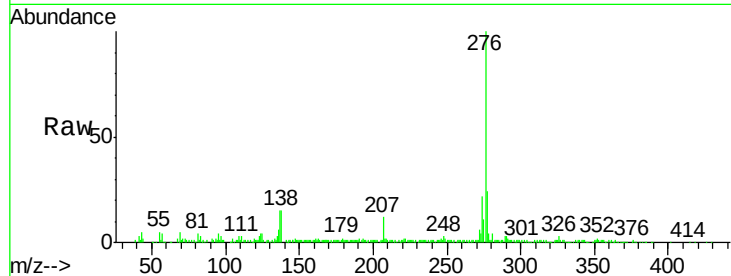
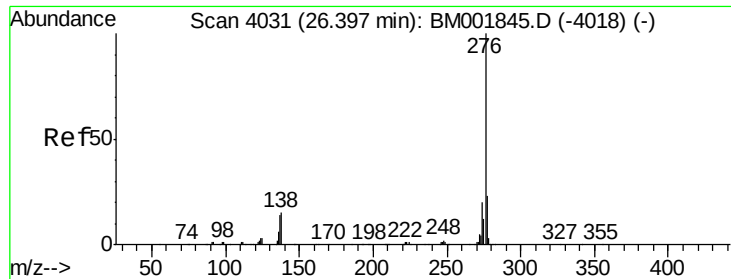
Delta R.T. 0.03 min

Lab File: BM001867.D

Acq: 07 Jul 2015 14:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	9.2	13.8#
279	24.7	19.1	28.7





#93

Benzo(g,h,i)perylene

Concen: 14.58 ng/ul

RT: 26.45 min Scan# 4040

Delta R.T. 0.05 min

Lab File: BM001867.D

Acq: 07 Jul 2015 14:38

Instrument :

BNA_M

ClientSampleId :

G93K6

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	15.1	12.6	19.0	
277	24.4	18.7	28.1	

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