

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001863.D
 Acq On : 07 Jul 2015 11:54
 Operator : TP/UM
 Sample : G2861-09MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L3MSD

Manual Integrations
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Quant Time: Jul 08 03:56:27 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	7.66	152	60613	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	230774	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	135003	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.07	188	288414	20.00	ng/ul	0.01
77) Chrysene-d12	21.26	240	347934	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	360705	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	2540	2.00	ng/uL	0.00
5) Phenol-d5	6.83	99	58710	12.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	33978	13.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	49356	13.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	39069	10.45	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	24742	15.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	24747	14.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	50340	13.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	133341	35.05	ng/ul	-0.02
43) Dimethylphthalate-d6	13.73	166	131246	13.11	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	178347	13.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	25438	13.77	ng/ul	0.00
57) Fluorene-d10	15.32	176	127878	13.77	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.45	200	10192	5.78	ng/ul	0.01
70) Anthracene-d10	17.17	188	192446	14.32	ng/ul	0.00
78) Pyrene-d10	19.47	212	219322	14.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	223085	14.03	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	6.86	94	60794	12.65	ng/ul	96
10) 2-Chlorophenol	7.23	128	48817	12.81	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.47	70	38194	13.18	ng/ul	98
28) Naphthalene	10.51	128	24262	2.08	ng/ul#	55
33) 4-Chloro-3-methylphenol	11.75	107	48204	12.49	ng/ul	92
34) 2-Methylnaphthalene	12.13	142	620323	73.61	ng/ul	98
44) Dimethylphthalate	13.78	163	44779	4.09	ng/ul#	96
47) Acenaphthylene	14.04	152	45137	3.37	ng/ul#	35
49) Acenaphthene	14.39	153	179799	20.11	ng/ul	97
52) 4-Nitrophenol	14.54	109	23504	12.32	ng/ul#	64
54) 2,4-Dinitrotoluene	14.70	165	63642	20.98	ng/ul#	81
58) Fluorene	15.37	166	86830	8.15	ng/ul#	87
68) Pentachlorophenol	16.72	266	20906	9.44	ng/ul	97
69) Phenanthrene	17.12	178	366759	23.45	ng/ul	97
76) Fluoranthene	19.13	202	213489	11.41	ng/ul	98
79) Pyrene	19.50	202	564662	29.25	ng/ul	99
82) Benzo(a)anthracene	21.25	228	133321	6.56	ng/ul#	91
84) Chrysene	21.30	228	134234	6.97	ng/ul#	93
87) Benzo(b)fluoranthene	22.83	252	212720	10.13	ng/ul#	93
88) Benzo(k)fluoranthene	22.86	252	64947m	3.20	ng/ul	
90) Benzo(a)pyrene	23.40	252	162334	7.95	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.74	276	146207	6.04	ng/ul	96
92) Dibenzo(a,h)anthracene	25.75	278	34867	1.71	ng/ul#	70

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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)
93) Benzo(g,h,i)perylene	26.43	276	137138	6.73	ng/ul	95

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

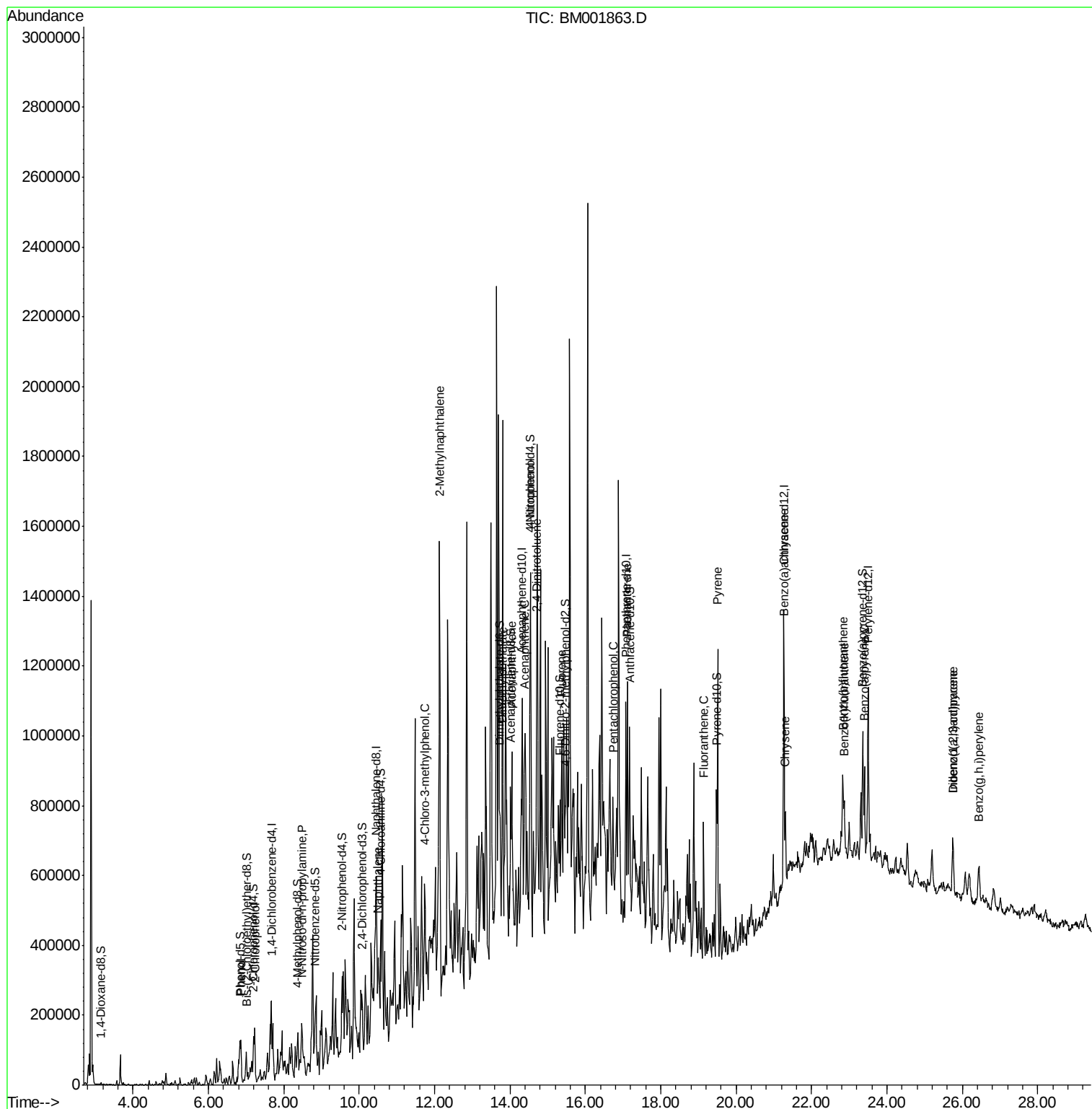
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
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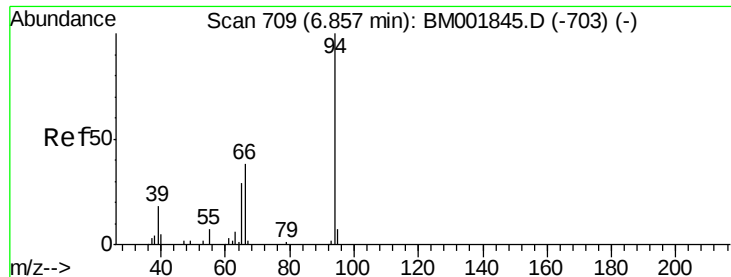
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#6

Phenol

Concen: 12.65 ng/ul

RT: 6.86 min Scan# 710

Delta R.T. 0.01 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Instrument :

BNA_M

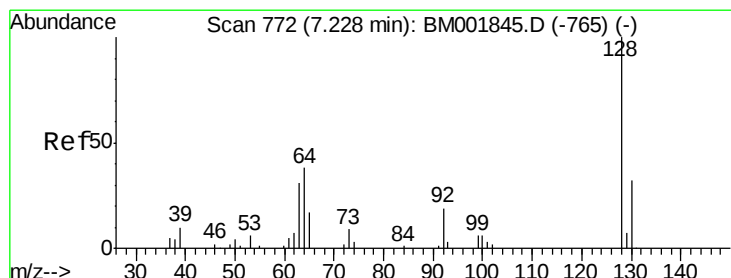
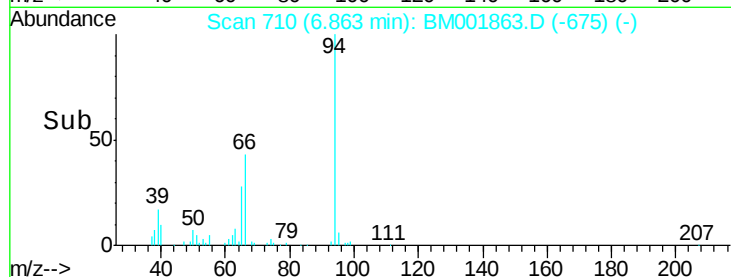
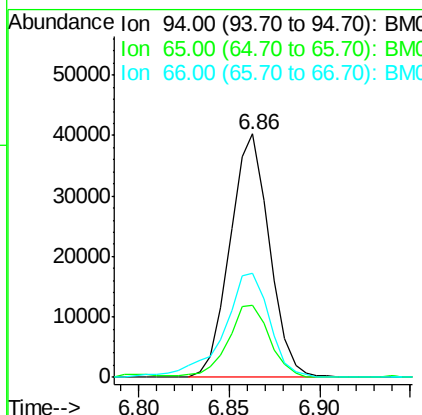
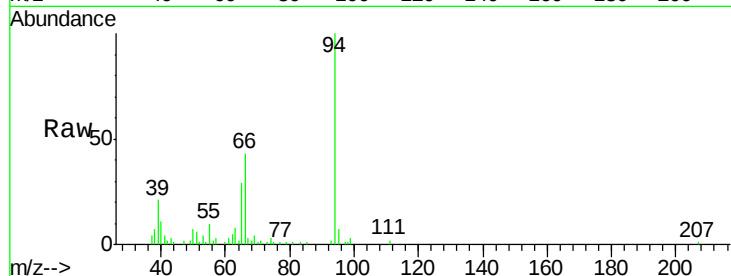
ClientSampleId :

G93L3MSD

Tgt Ion:	94	Resp:	60794
Ion	Ratio	Lower	Upper
94	100		
65	29.4	26.1	39.1
66	42.7	35.9	53.9

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#10

2-Chlorophenol

Concen: 12.81 ng/ul

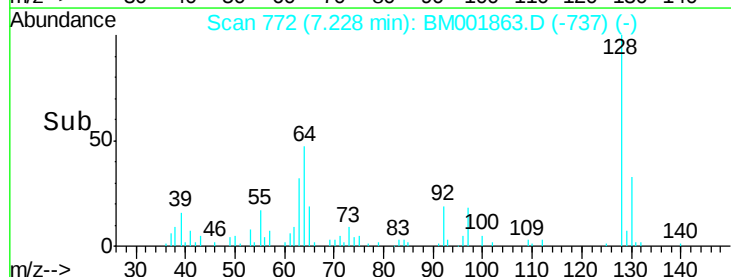
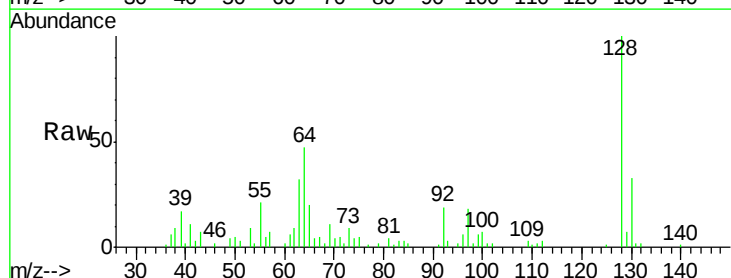
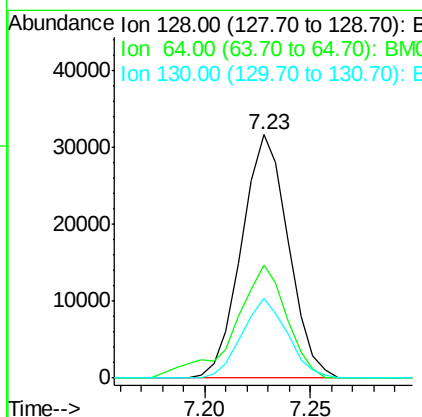
RT: 7.23 min Scan# 772

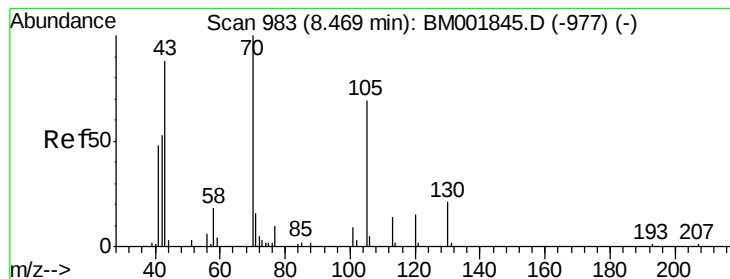
Delta R.T. 0.01 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Tgt Ion:	128	Resp:	48817
Ion	Ratio	Lower	Upper
128	100		
64	46.6	37.4	56.2
130	32.8	25.4	38.0





#15

N-Nitroso-di-n-propylamine

Concen: 13.18 ng/ul

RT: 8.47 min Scan# 983

Delta R.T. -0.00 min

Lab File: BM001863.D

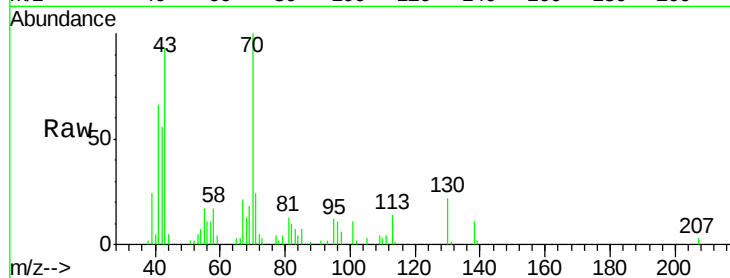
Acq: 07 Jul 2015 11:54

Instrument :

BNA_M

ClientSampleId :

G93L3MSD



Tgt Ion: 70 Resp: 38194

Ion Ratio Lower Upper

70 100

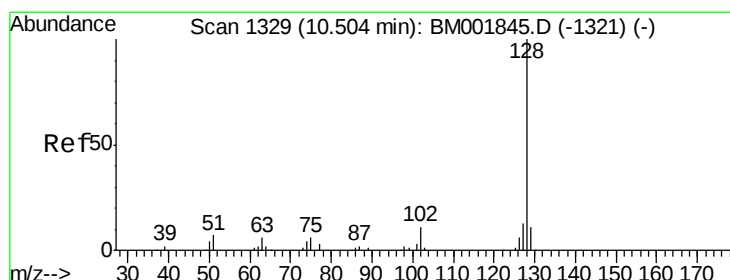
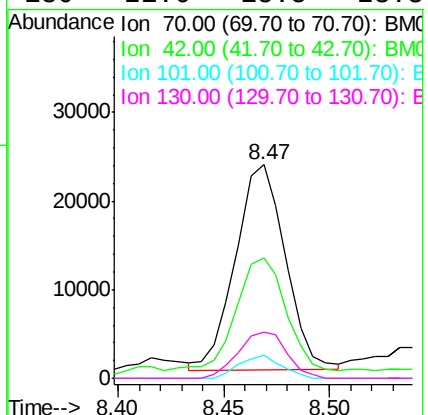
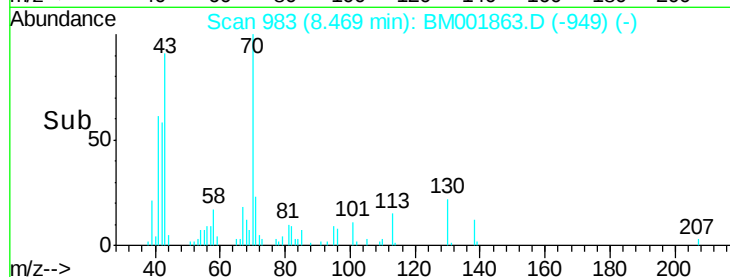
42 56.3 45.2 67.8

101 10.8 7.8 11.6

130 21.6 15.5 23.3

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#28

Naphthalene

Concen: 2.08 ng/ul

RT: 10.51 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

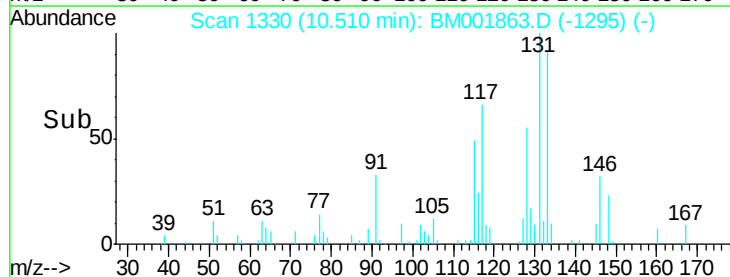
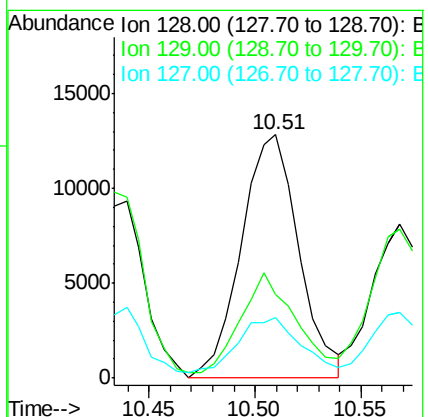
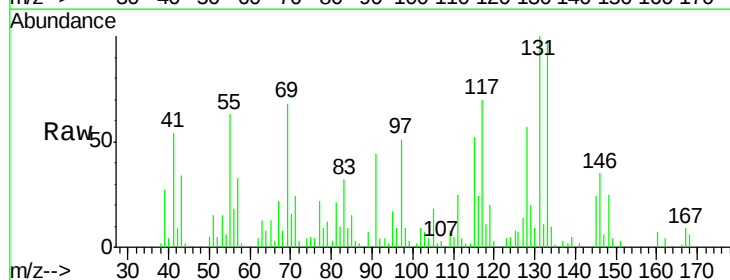
Tgt Ion: 128 Resp: 24262

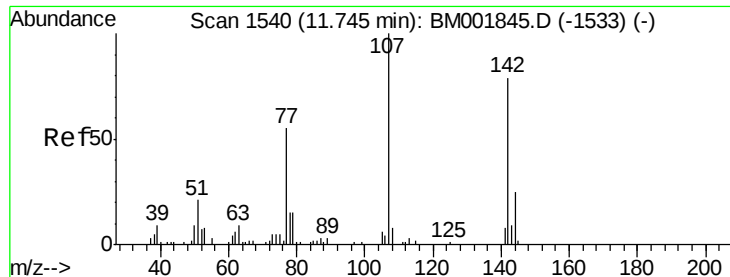
Ion Ratio Lower Upper

128 100

129 34.3 8.7 13.1#

127 24.6 10.0 15.0#





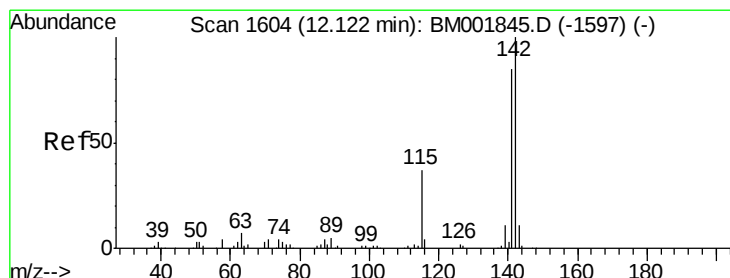
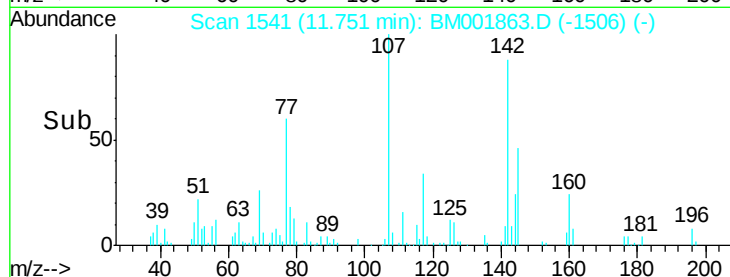
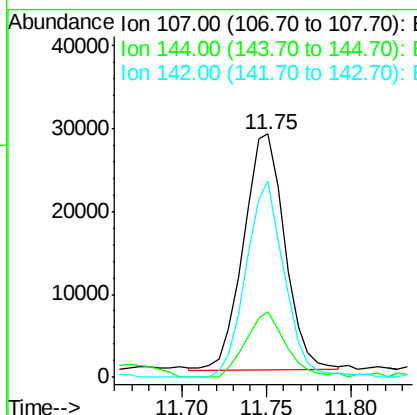
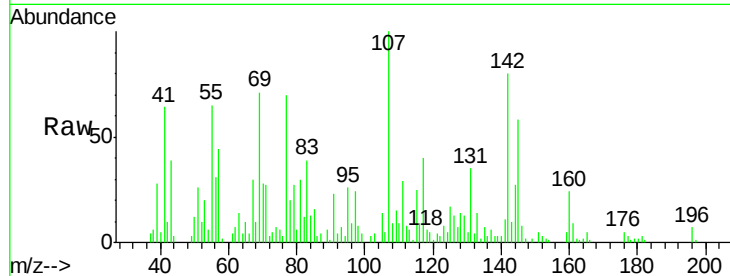
#33
 4-Chloro-3-methylphenol
 Concen: 12.49 ng/ul
 RT: 11.75 min Scan# 1541
 Delta R.T. 0.01 min
 Lab File: BM001863.D
 Acq: 07 Jul 2015 11:54

Instrument :
 BNA_M
 ClientSampleId :
 G93L3MSD

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	20.2	30.4
142	80.4	57.7	86.5

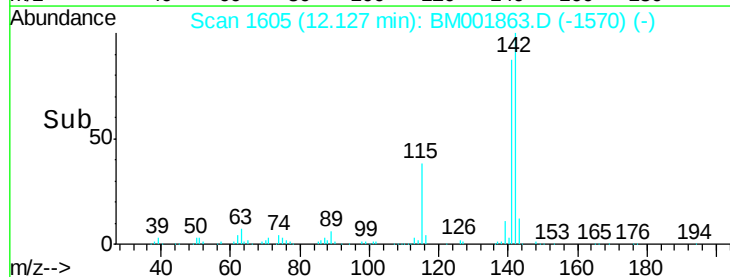
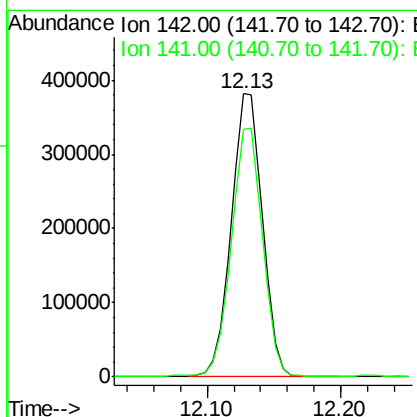
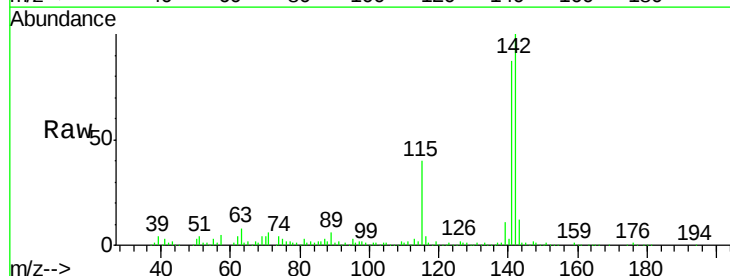
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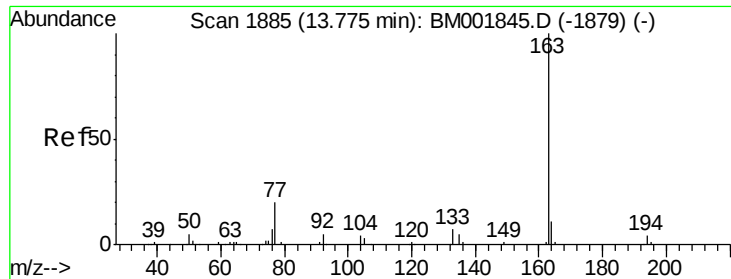
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#34
 2-Methylnaphthalene
 Concen: 73.61 ng/ul
 RT: 12.13 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BM001863.D
 Acq: 07 Jul 2015 11:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.6	107.4





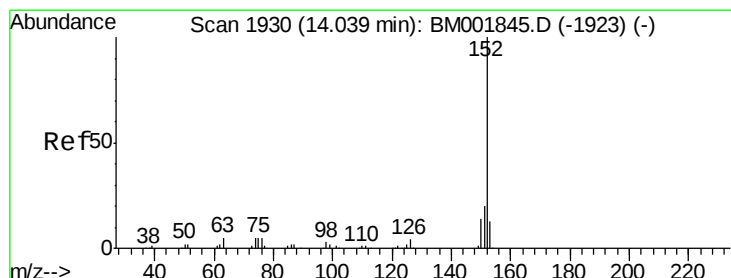
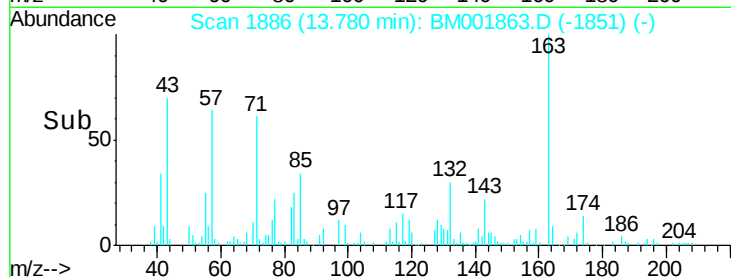
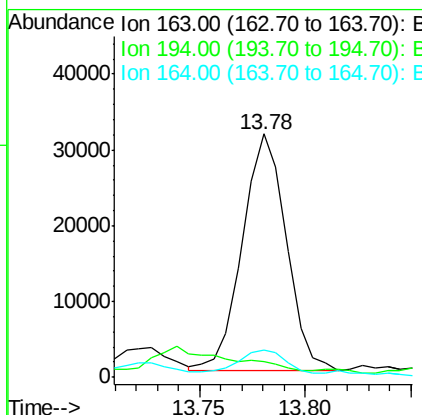
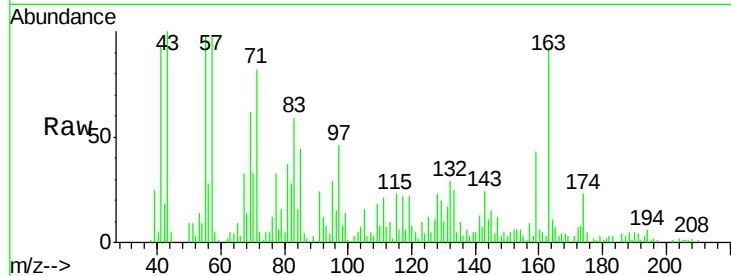
#44
Dimethylphthalate
Concen: 4.09 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BM001863.D
Acq: 07 Jul 2015 11:54

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G93L3MSD

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	44779		
194	6.5	3.6	5.4#	
164	11.4	8.0	12.0	

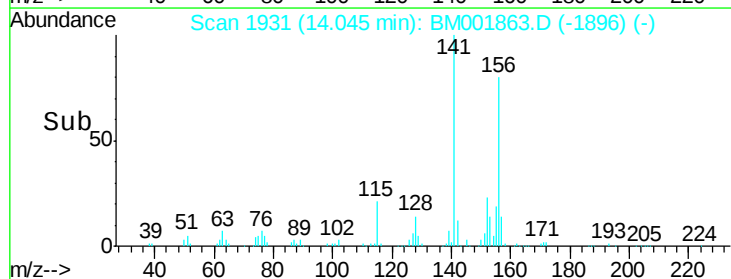
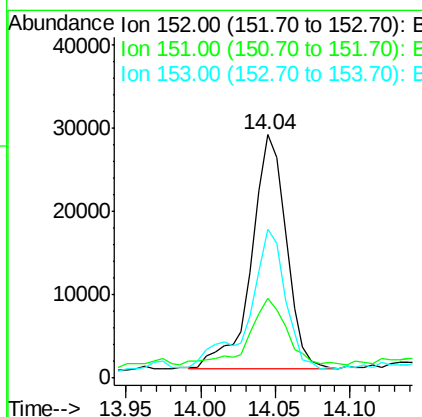
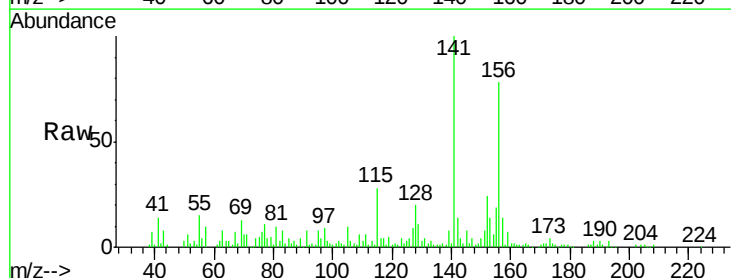
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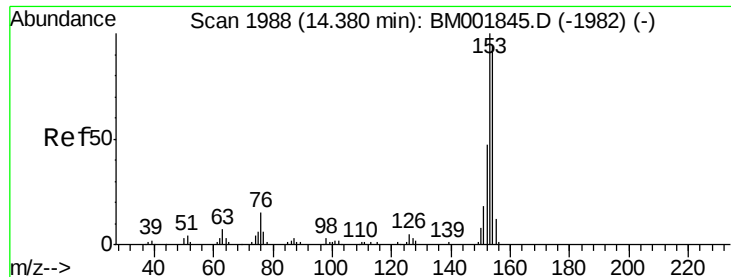
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#47
Acenaphthylene
Concen: 3.37 ng/ul
RT: 14.04 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BM001863.D
Acq: 07 Jul 2015 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	45137		
151	32.7	15.9	23.9#	
153	61.4	10.0	15.0#	





#49

Acenaphthene

Concen: 20.11 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BM001863.D

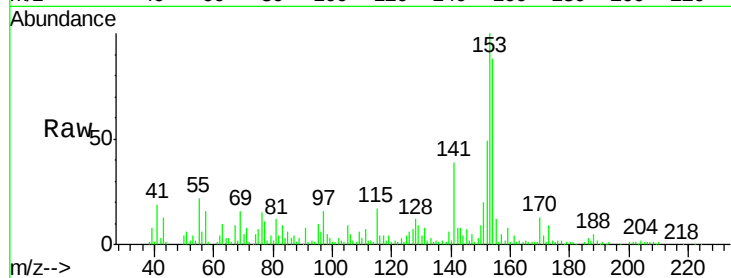
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Instrument :

BNA_M

ClientSampleId :

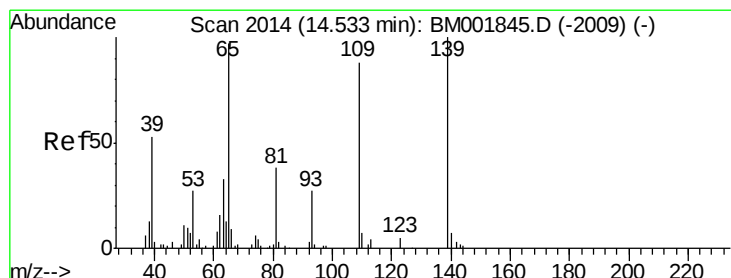
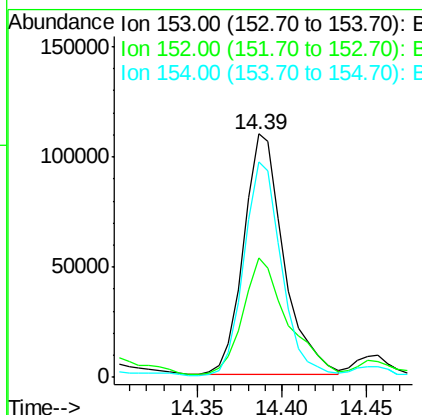
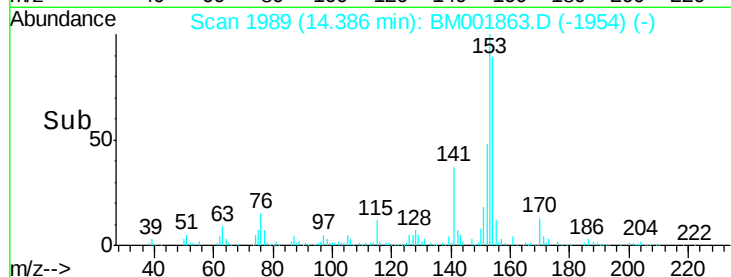
G93L3MSD



Tgt Ion	Ratio	Resp	Lower	Upper
153	100	179799		
152	48.9	36.6	55.0	
154	88.4	72.6	108.8	

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#52

4-Nitrophenol

Concen: 12.32 ng/ul

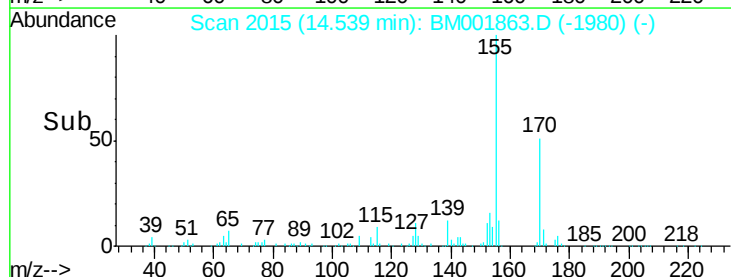
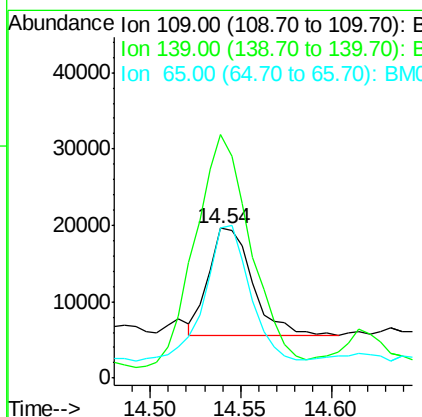
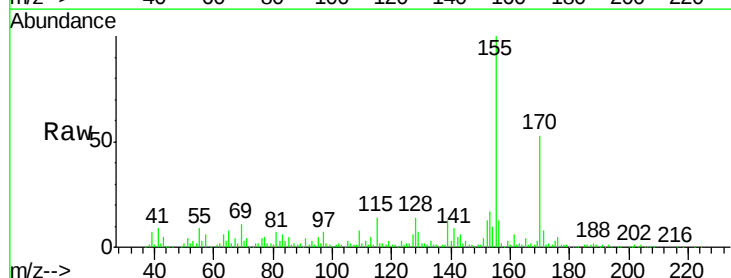
RT: 14.54 min Scan# 2015

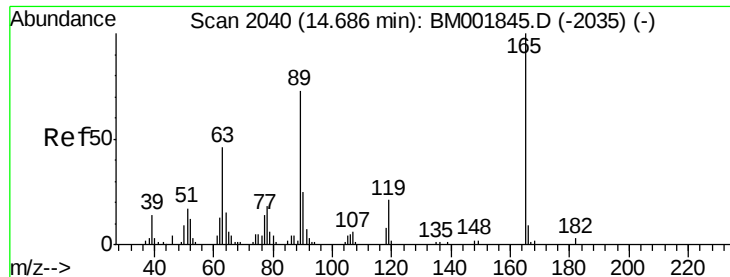
Delta R.T. 0.01 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	23504		
139	162.2	81.7	122.5#	
65	100.0	94.3	141.5	





#54

2,4-Dinitrotoluene

Concen: 20.98 ng/ul

RT: 14.70 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Instrument :

BNA_M

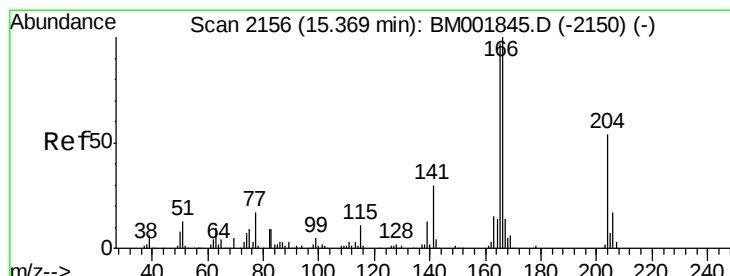
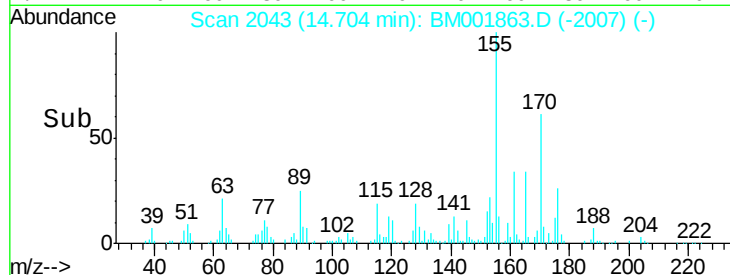
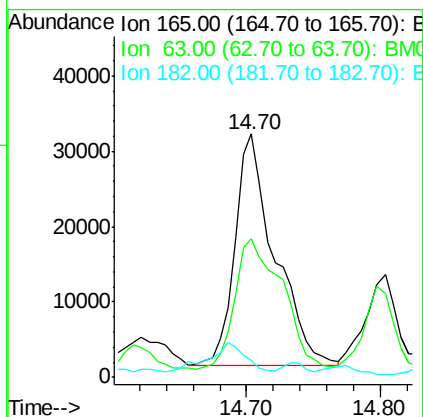
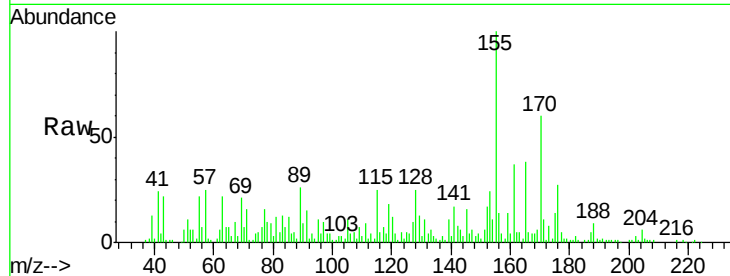
ClientSampleId :

G93L3MSD

Tgt Ion:	165	Resp:	63642
Ion Ratio	Lower	Upper	
165	100		
63	57.1	35.4	53.2#
182	6.9	2.1	3.1#

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#58

Fluorene

Concen: 8.15 ng/ul

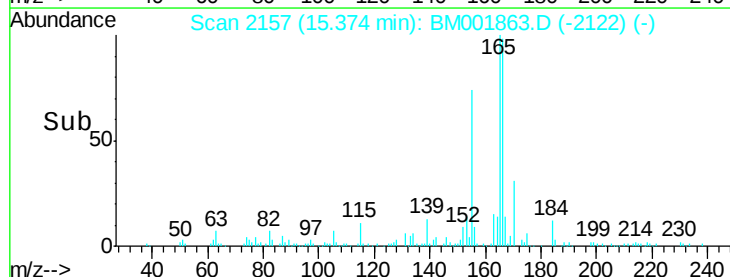
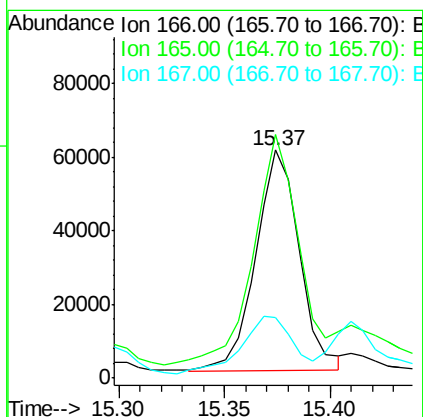
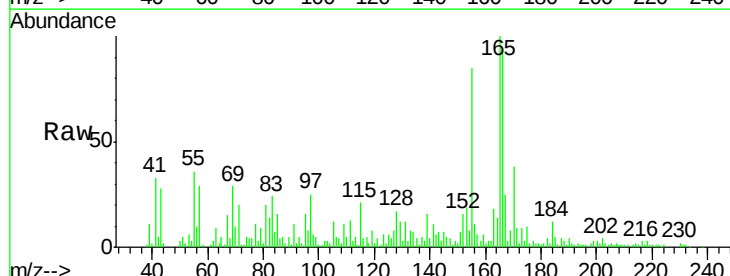
RT: 15.37 min Scan# 2157

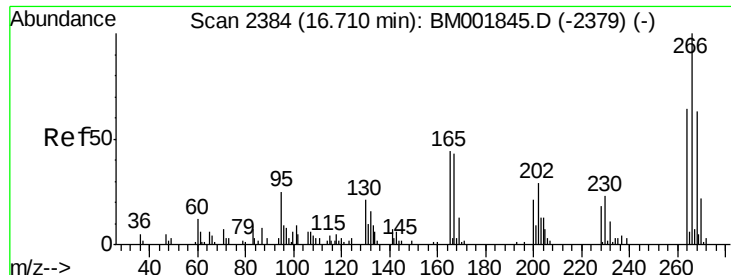
Delta R.T. 0.01 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Tgt Ion:	166	Resp:	86830
Ion Ratio	Lower	Upper	
166	100		
165	106.8	77.4	116.2
167	26.5	11.3	16.9#





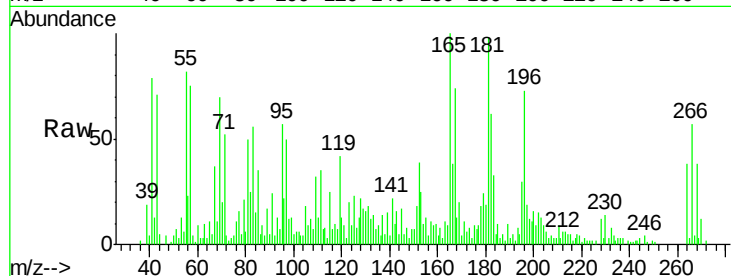
#68
 Pentachlorophenol
 Concen: 9.44 ng/ul
 RT: 16.72 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM001863.D
 Acq: 07 Jul 2015 11:54

Instrument :
 BNA_M
 ClientSampleId :
 G93L3MSD

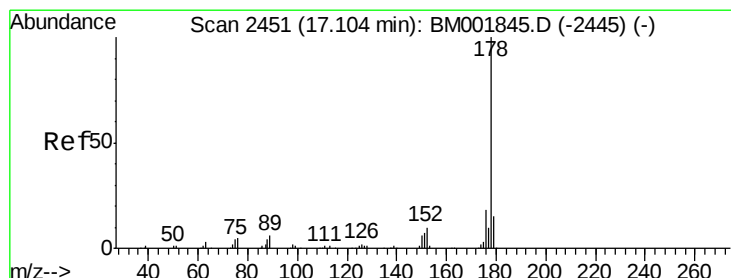
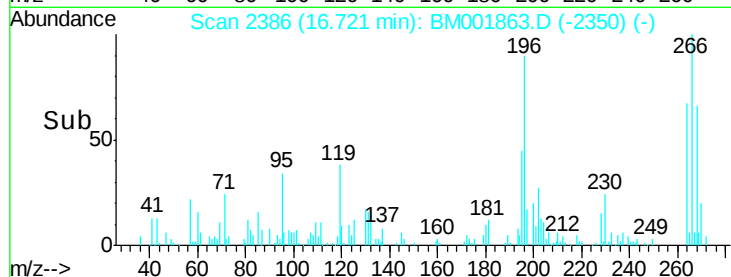
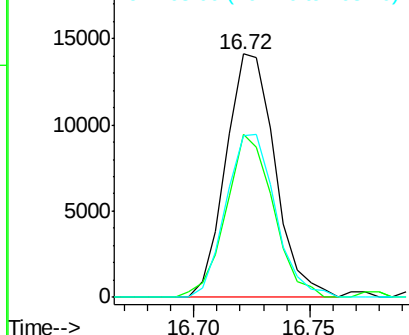
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	20906		
264	67.2	50.8	76.2	
268	66.3	52.0	78.0	

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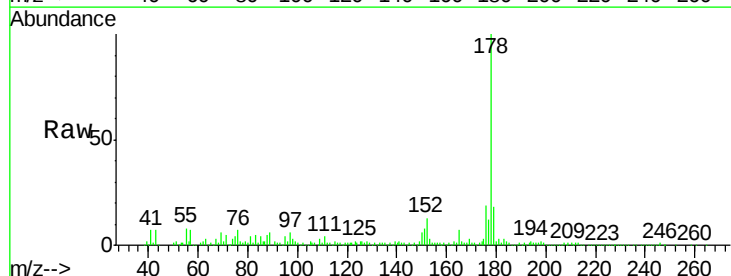


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

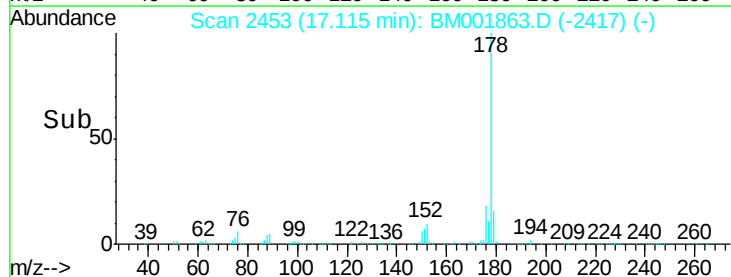
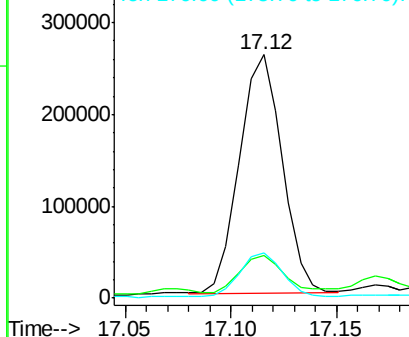


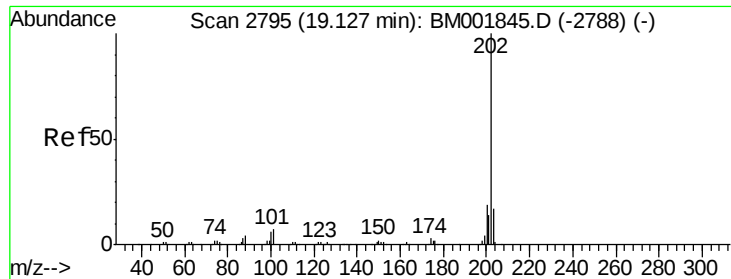
#69
 Phenanthrene
 Concen: 23.45 ng/ul
 RT: 17.12 min Scan# 2453
 Delta R.T. 0.01 min
 Lab File: BM001863.D
 Acq: 07 Jul 2015 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	366759		
179	17.6	11.9	17.9	
176	18.6	15.2	22.8	



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





#76

Fluoranthene

Concen: 11.41 ng/ul

RT: 19.13 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BM001863.D

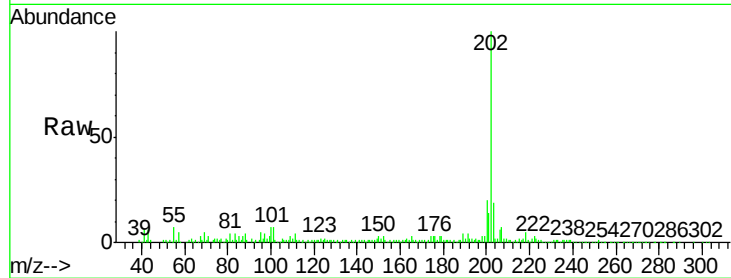
Acq: 07 Jul 2015 11:54

Instrument :

BNA_M

ClientSampleId :

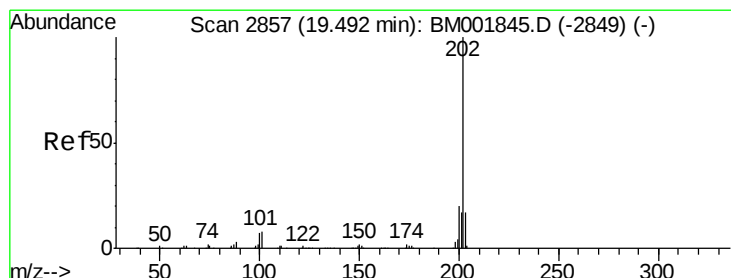
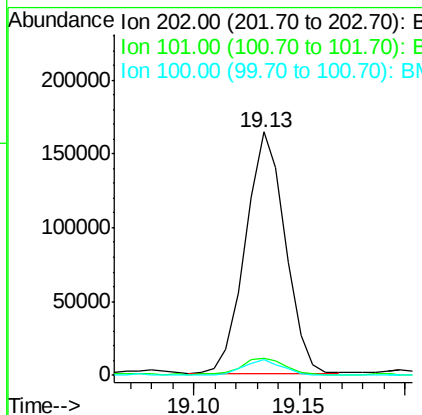
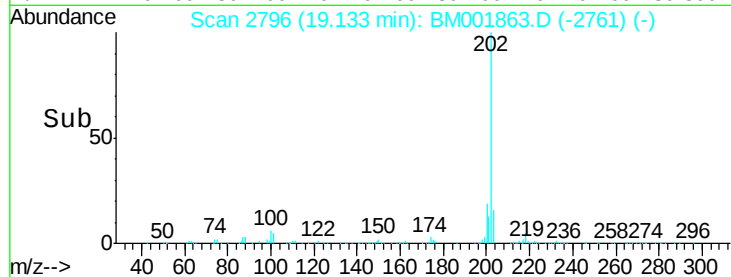
G93L3MSD



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	213489		
101	7.0	6.1	9.1	
100	6.6	4.8	7.2	

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#79

Pyrene

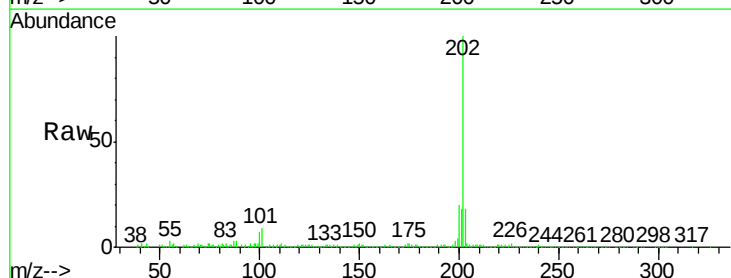
Concen: 29.25 ng/ul

RT: 19.50 min Scan# 2858

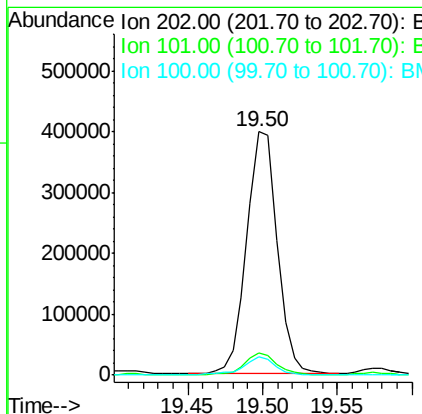
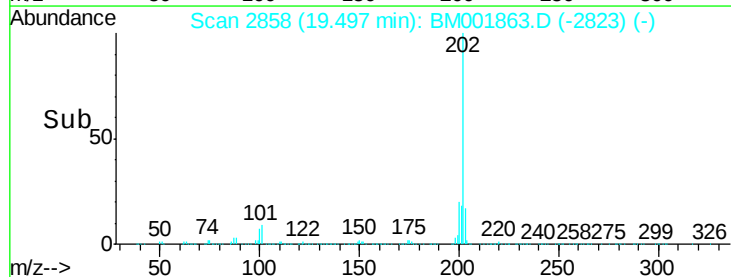
Delta R.T. 0.01 min

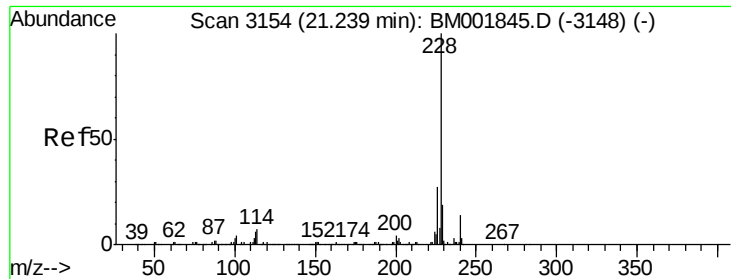
Lab File: BM001863.D

Acq: 07 Jul 2015 11:54



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	564662		
101	8.9	6.9	10.3	
100	7.4	6.2	9.2	





#82

Benzo(a)anthracene

Concen: 6.56 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Instrument :

BNA_M

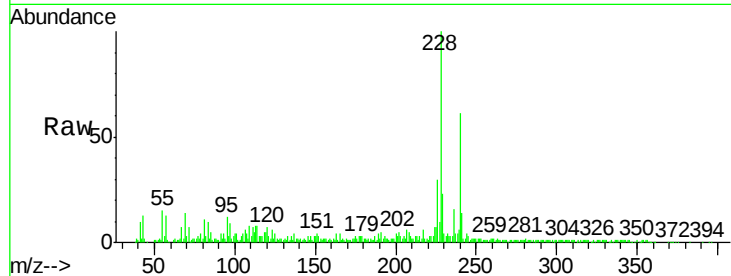
ClientSampleId :

G93L3MSD

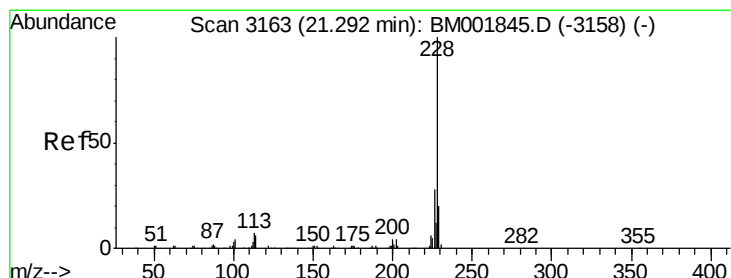
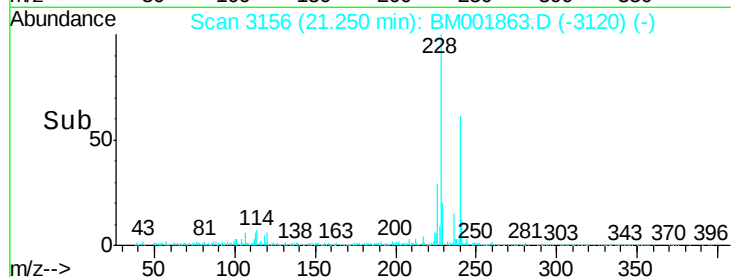
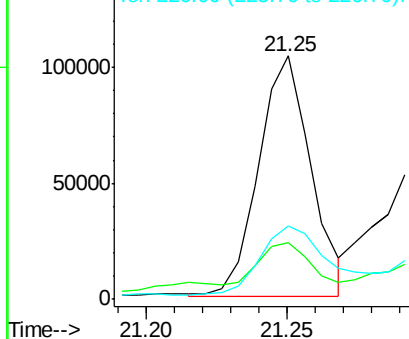
Tgt	Ion	Ratio	Resp	Lower	Upper
228	100				
229	23.2	15.4	23.0#		
226	30.3	20.6	30.8		

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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: 6.97 ng/ul

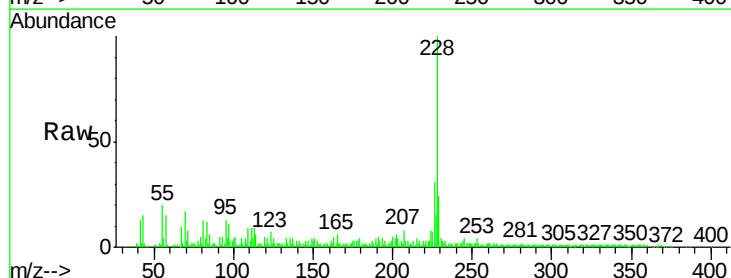
RT: 21.30 min Scan# 3165

Delta R.T. 0.01 min

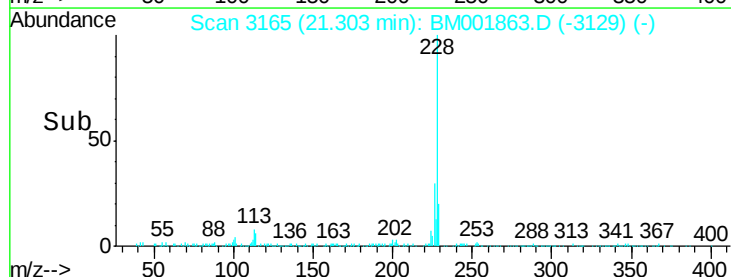
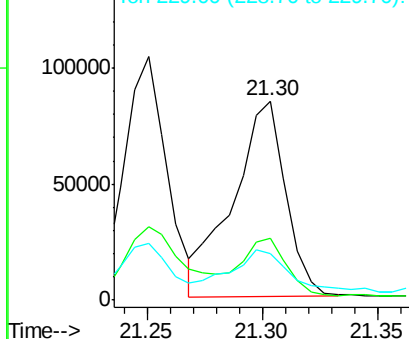
Lab File: BM001863.D

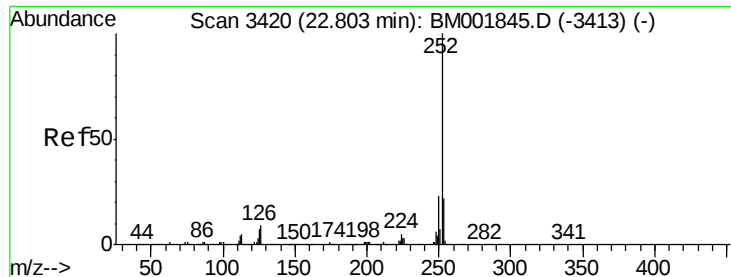
Acq: 07 Jul 2015 11:54

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.3	23.0	34.4		
229	23.6	15.4	23.2#		



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 10.13 ng/ul

RT: 22.83 min Scan# 3424

Delta R.T. 0.02 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Instrument :

BNA_M

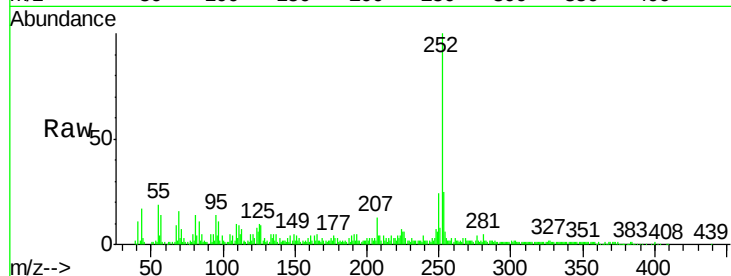
ClientSampleId :

G93L3MSD

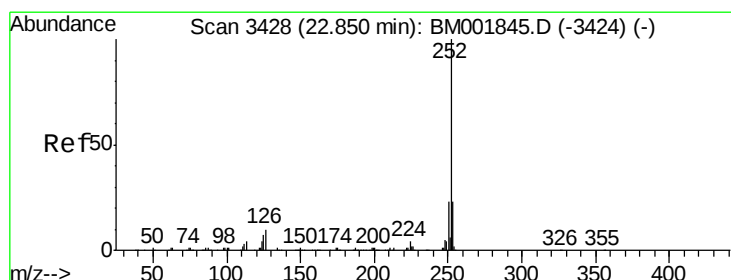
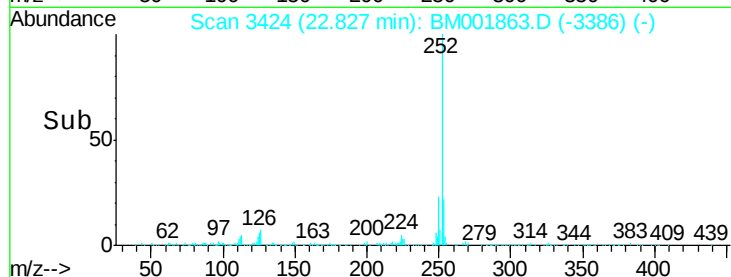
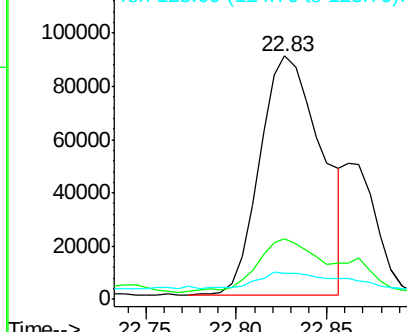
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	10.4	5.3	7.9#

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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: 3.20 ng/ul m

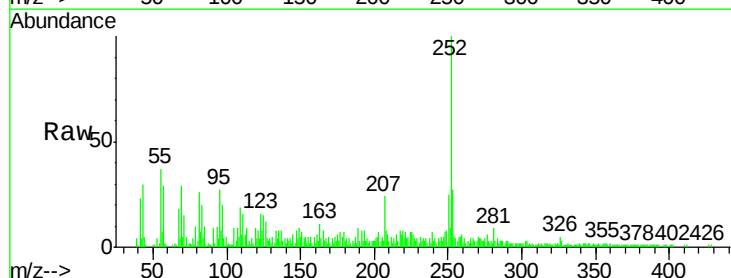
RT: 22.86 min Scan# 3430

Delta R.T. 0.01 min

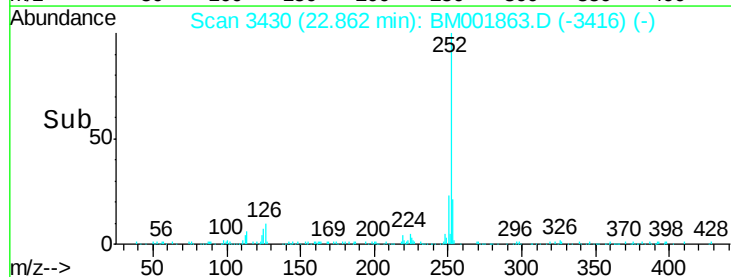
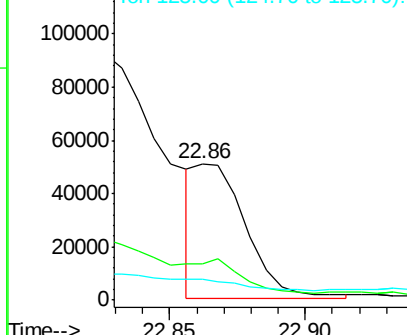
Lab File: BM001863.D

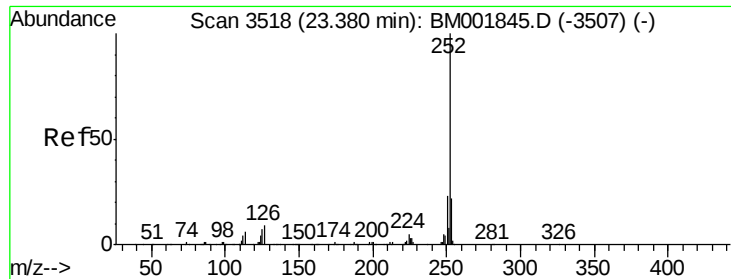
Acq: 07 Jul 2015 11:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.1	25.7#
125	14.9	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





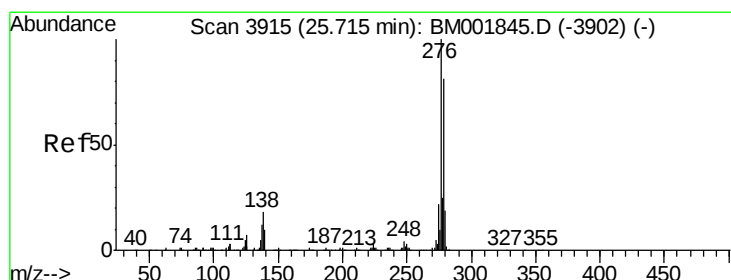
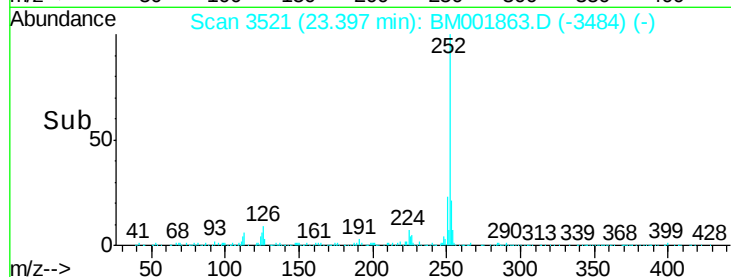
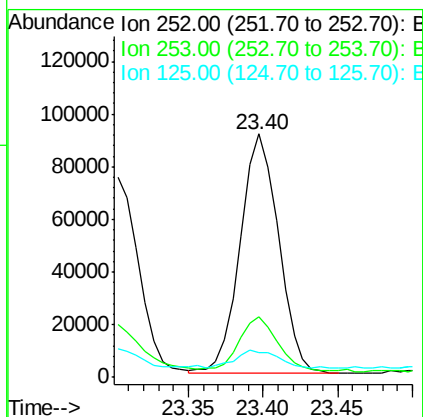
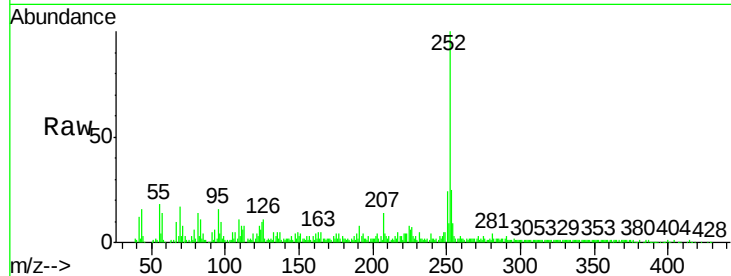
#90
Benzo(a)pyrene
Concen: 7.95 ng/ul
RT: 23.40 min Scan# 3521
Delta R.T. 0.02 min
Lab File: BM001863.D
Acq: 07 Jul 2015 11:54

Instrument :
BNA_M
ClientSampleId :
G93L3MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	10.3	6.0	9.0

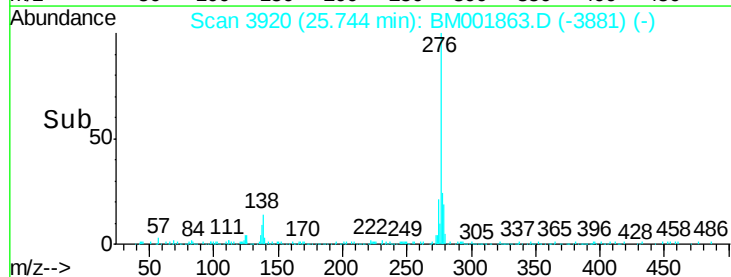
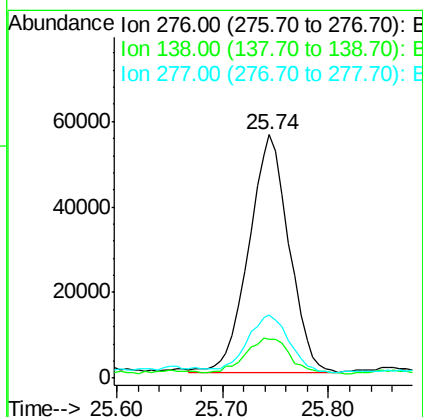
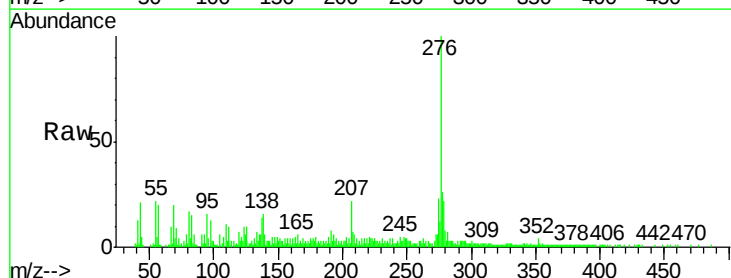
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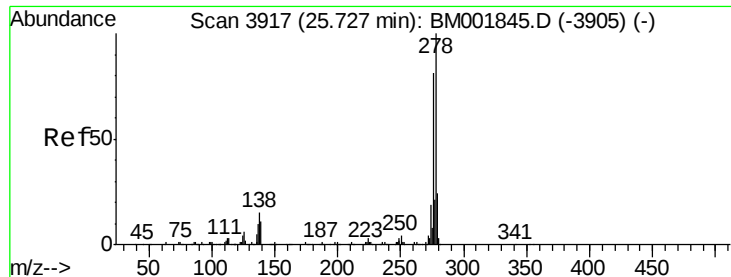
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7/8/2015 4:24:40 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 6.04 ng/ul
RT: 25.74 min Scan# 3920
Delta R.T. 0.03 min
Lab File: BM001863.D
Acq: 07 Jul 2015 11:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	14.7	22.1
277	25.8	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.71 ng/ul

RT: 25.75 min Scan# 3921

Delta R.T. 0.02 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Instrument :

BNA_M

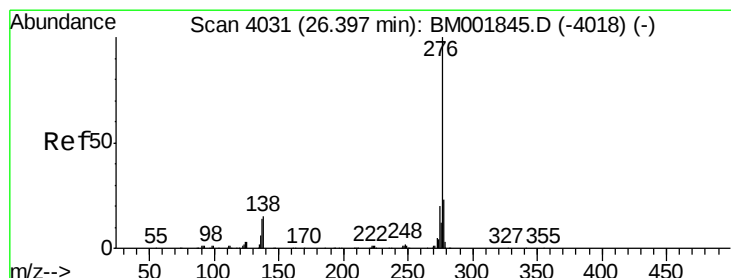
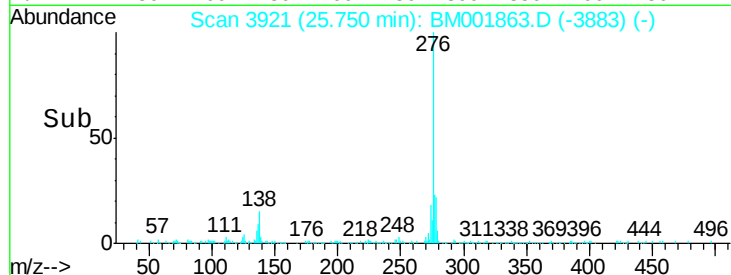
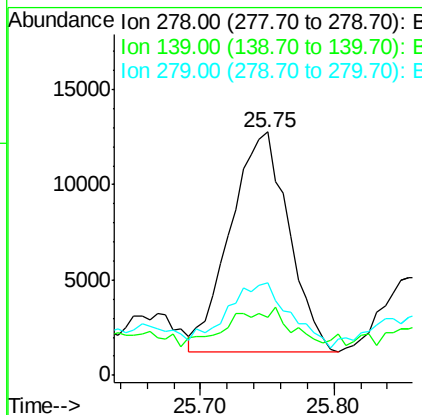
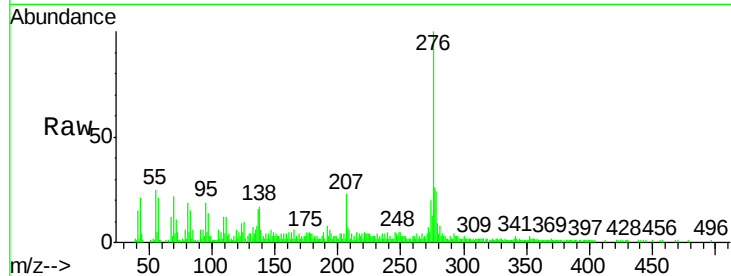
ClientSampleId :

G93L3MSD

Tgt Ion:	278	Resp:	34867
Ion Ratio	Lower	Upper	
278	100		
139	23.9	9.2	13.8#
279	38.3	19.1	28.7#

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#93

Benzo(g,h,i)perylene

Concen: 6.73 ng/ul

RT: 26.43 min Scan# 4037

Delta R.T. 0.03 min

Lab File: BM001863.D

Acq: 07 Jul 2015 11:54

Tgt Ion:	276	Resp:	137138
Ion Ratio	Lower	Upper	
276	100		
138	16.3	12.6	19.0
277	26.8	18.7	28.1

