

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001871.D
 Acq On : 07 Jul 2015 19:44
 Operator : TP/UM
 Sample : G2861-12
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 G93L6

Manual Integrations
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 7/8/2015 4:25:35 PM

Quant Time: Jul 08 05:54:56 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 05:33:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	91056	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	347964	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	186074	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	369790	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	368839	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	379706	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	3462	1.81	ng/uL	0.00
5) Phenol-d5	6.83	99	79112	11.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	46289	11.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	65325	11.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	61003	10.87	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	32456	13.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	33092	12.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	67987	12.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	57590	10.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	180884	13.11	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	229347	12.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	15615	6.13	ng/ul	0.00
57) Fluorene-d10	15.32	176	165220	12.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	9650	4.27	ng/ul	0.00
70) Anthracene-d10	17.17	188	256631	14.90	ng/ul	0.00
78) Pyrene-d10	19.47	212	250284	16.02	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	237583	14.19	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	46635	2.65	ng/ul	97
34) 2-Methylnaphthalene	12.13	142	58383	4.59	ng/ul	96
44) Dimethylphthalate	13.78	163	104780	6.95	ng/ul	98
47) Acenaphthylene	14.04	152	52383	2.84	ng/ul	93
49) Acenaphthene	14.39	153	17766	1.44	ng/ul	96
53) Dibenzofuran	14.72	168	23790	1.35	ng/ul	91
58) Fluorene	15.37	166	16835	1.15	ng/ul#	94
69) Phenanthrene	17.12	178	286645	14.30	ng/ul	97
71) Anthracene	17.20	178	80075	3.89	ng/ul	98
74) Carbazole	17.47	167	28148	1.56	ng/ul#	91
76) Fluoranthene	19.13	202	451336	18.82	ng/ul	99
79) Pyrene	19.50	202	443233	21.66	ng/ul	99
82) Benzo(a)anthracene	21.25	228	306007	14.20	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.17	149	11056	1.10	ng/ul#	95
84) Chrysene	21.30	228	301915	14.78	ng/ul	97
87) Benzo(b)fluoranthene	22.83	252	577369	26.12	ng/ul	99
88) Benzo(k)fluoranthene	22.86	252	158941m	7.44	ng/ul	
90) Benzo(a)pyrene	23.40	252	388548	18.07	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.74	276	387328	15.19	ng/ul	96
92) Dibenzo(a,h)anthracene	25.74	278	96544	4.49	ng/ul#	91
93) Benzo(g,h,i)perylene	26.44	276	356155	16.61	ng/ul	98

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

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

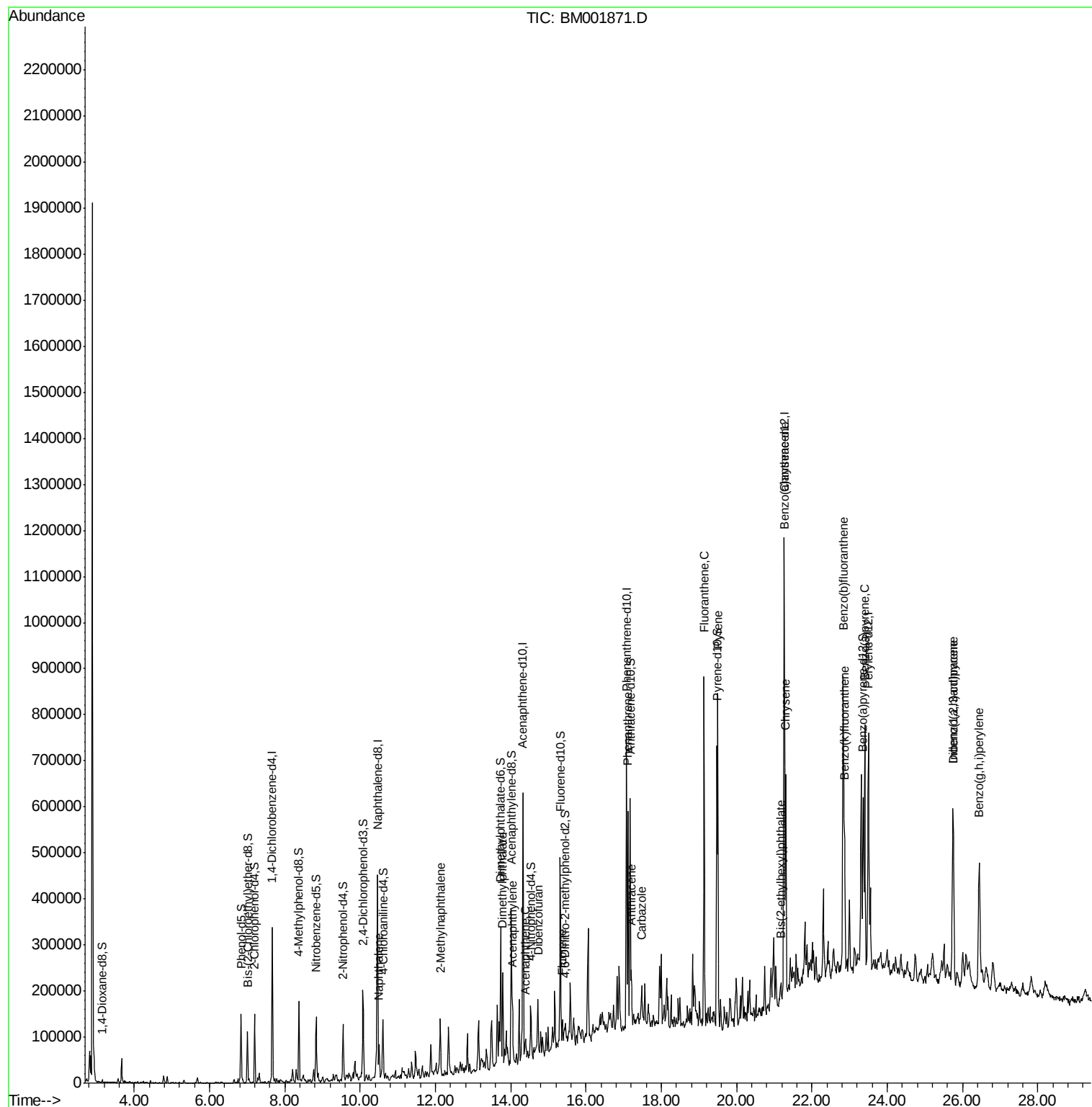
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001871.D
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Operator : TP/UM
Sample : G2861-12
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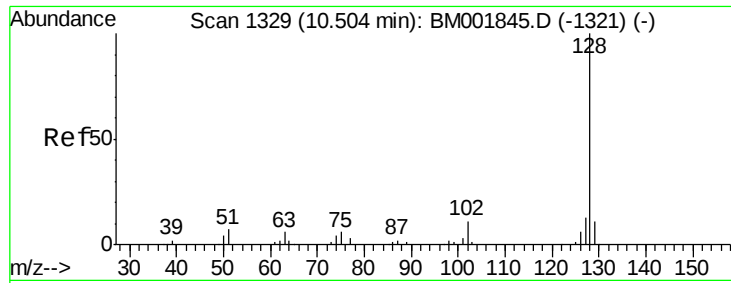
Instrument :
BNA_M
ClientSampleId :
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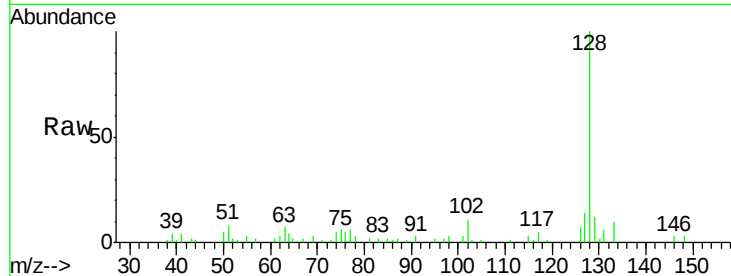
#28
Naphthalene
Concen: 2.65 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

Instrument :
BNA_M
ClientSampled :
G93L6

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	46635		
129	11.7	8.7	13.1	
127	13.7	10.0	15.0	

Manual Integrations
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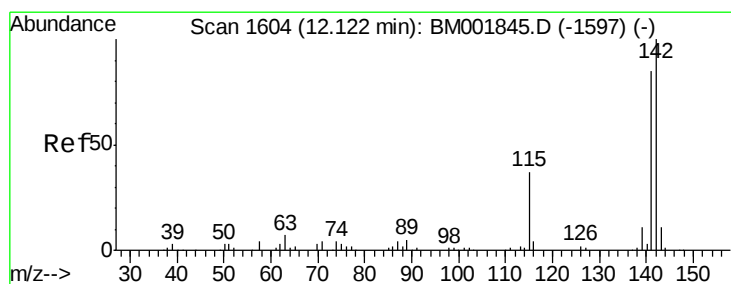
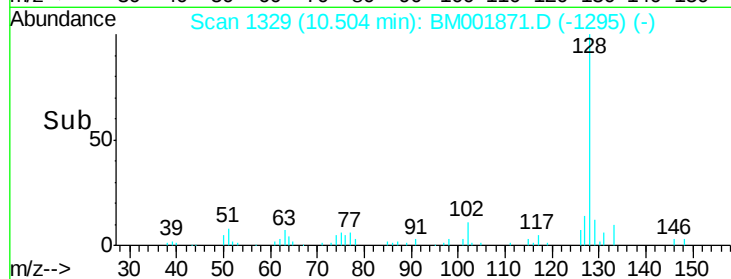
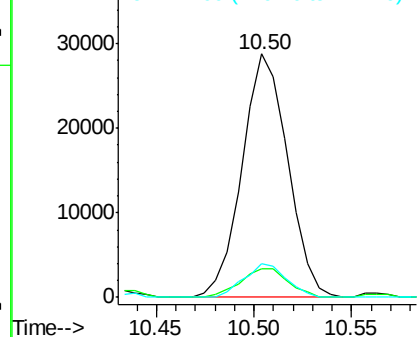


Abundance

Ion 128.00 (127.70 to 128.70): E

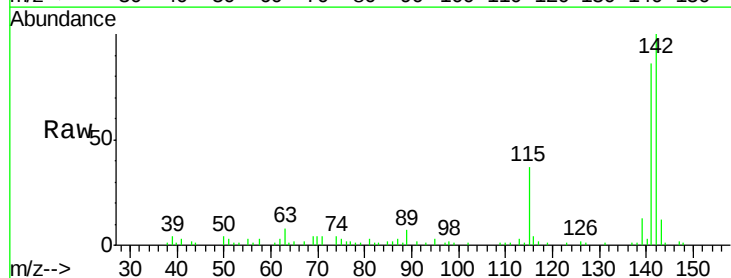
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 4.59 ng/ul
RT: 12.13 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

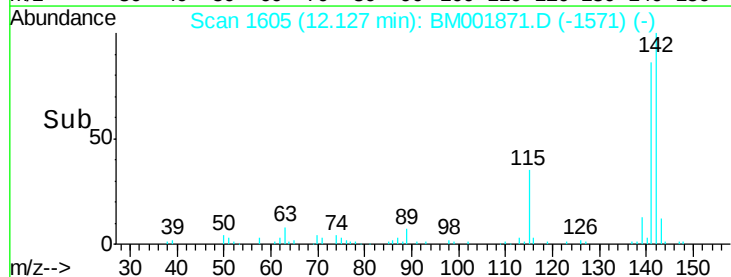
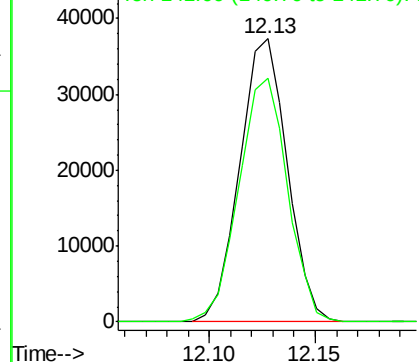
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	58383		
141	86.1	71.6	107.4	

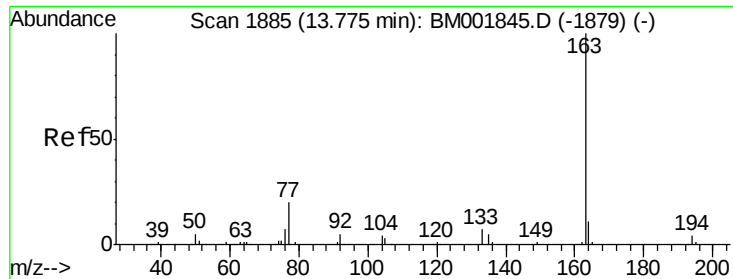


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





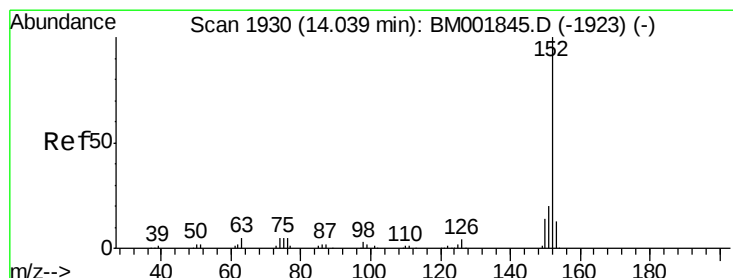
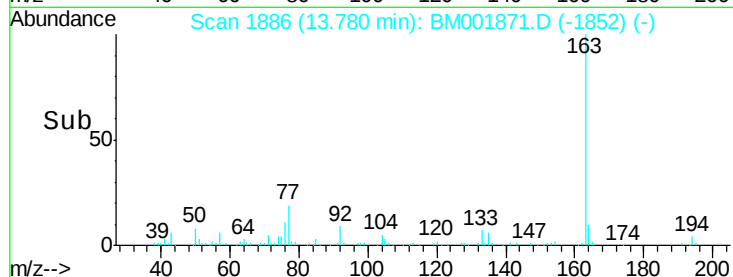
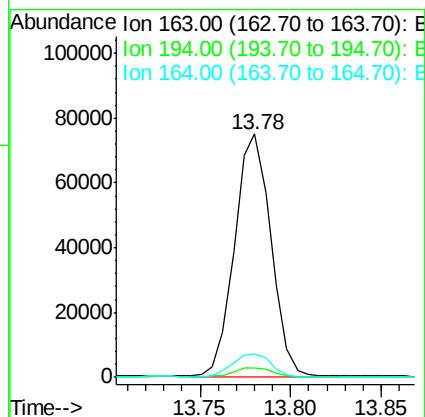
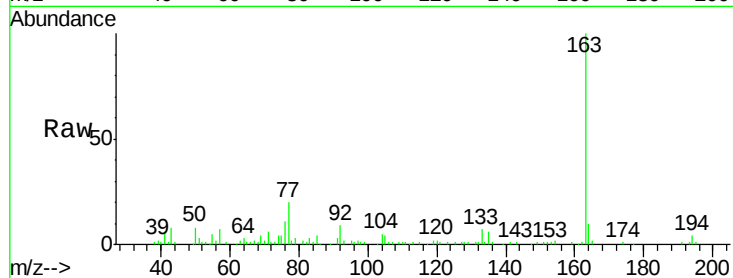
#44
Dimethylphthalate
Concen: 6.95 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

Instrument :
BNA_M
ClientSampleId :
G93L6

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	104780		
194	3.7		3.6	5.4
164	9.6		8.0	12.0

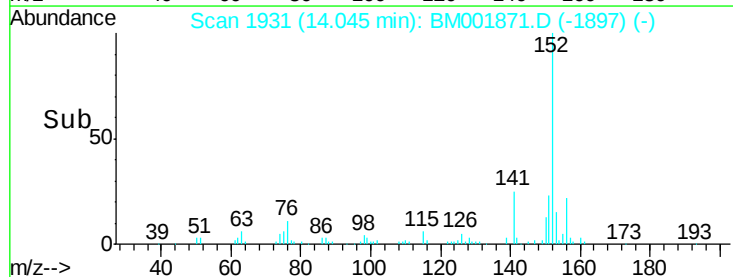
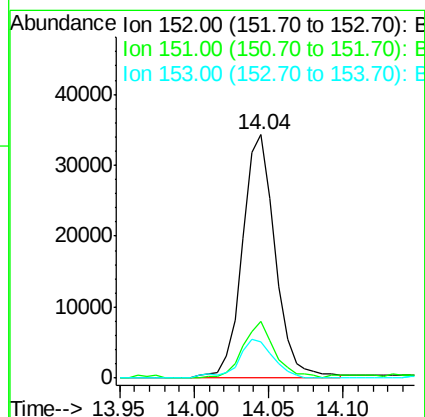
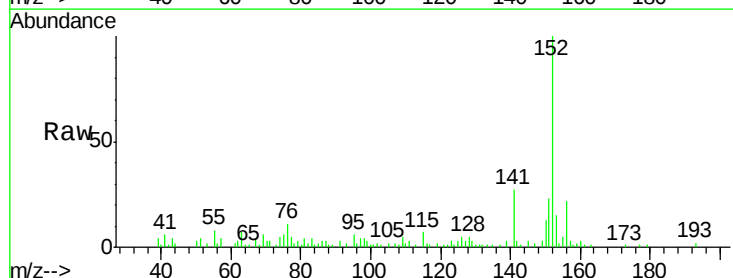
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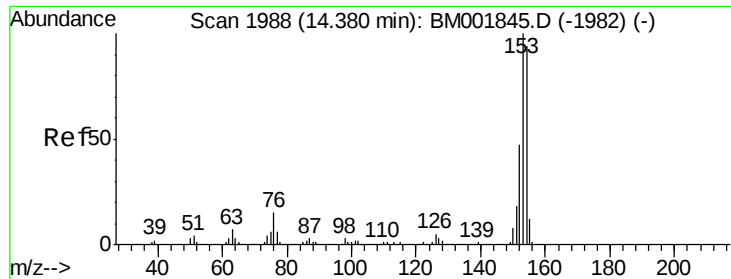
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#47
Acenaphthylene
Concen: 2.84 ng/ul
RT: 14.04 min Scan# 1931
Delta R.T. -0.00 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	52383		
151	23.1		15.9	23.9
153	14.8		10.0	15.0





#49

Acenaphthene

Concen: 1.44 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BM001871.D

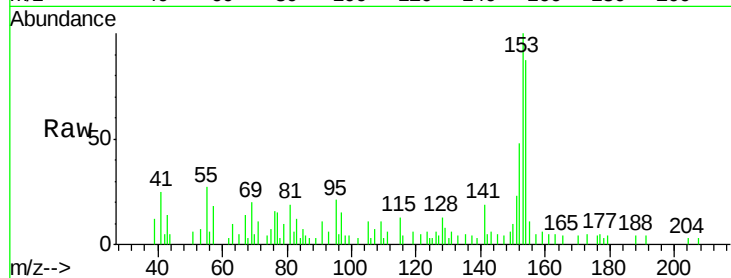
Acq: 07 Jul 2015 19:44

Instrument :

BNA_M

ClientSampleId :

G93L6



Tgt Ion:153 Resp: 17766

Ion Ratio Lower Upper

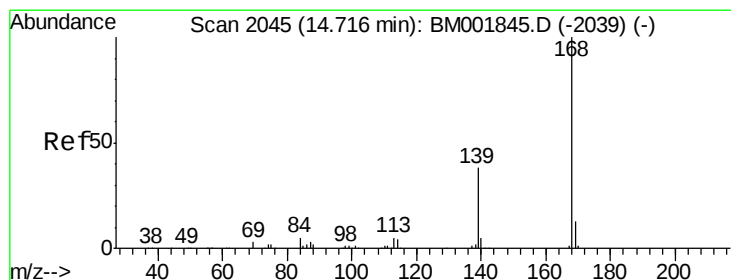
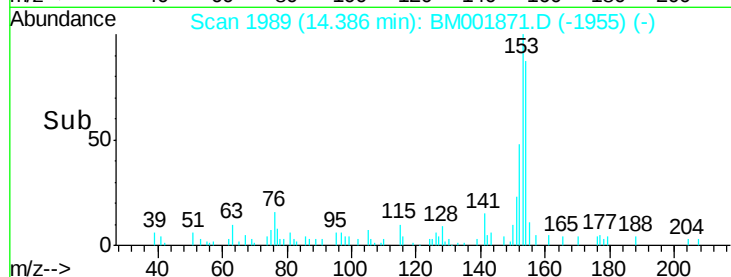
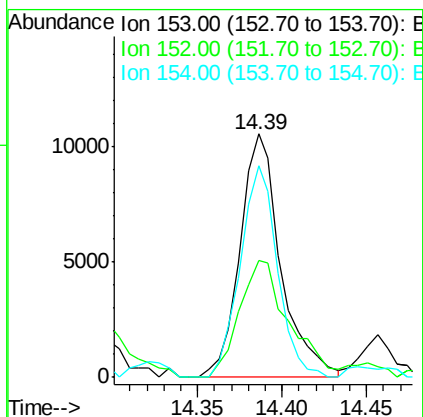
153 100

152 48.2 36.6 55.0

154 86.7 72.6 108.8

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#53

Dibenzofuran

Concen: 1.35 ng/ul

RT: 14.72 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BM001871.D

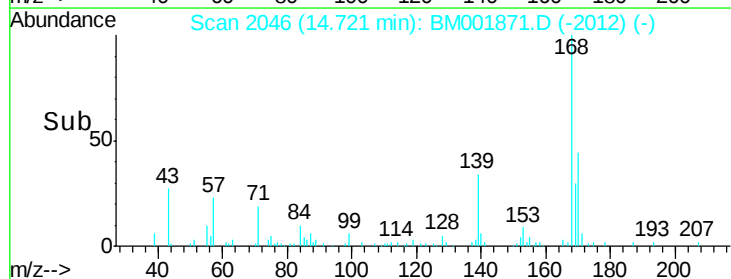
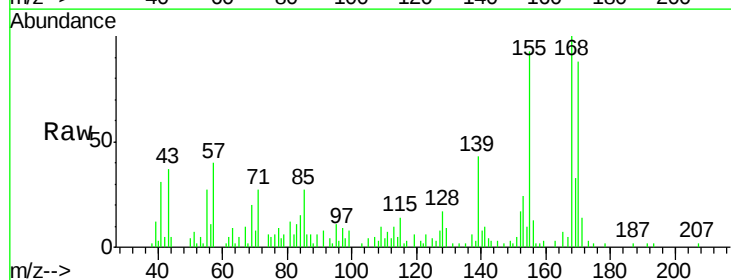
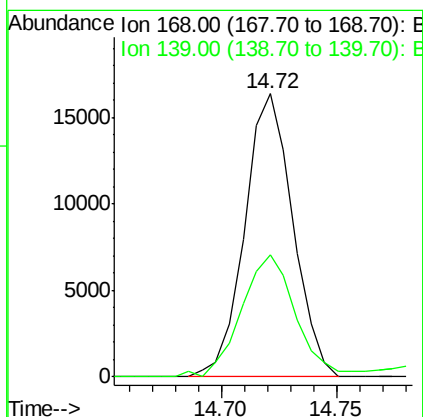
Acq: 07 Jul 2015 19:44

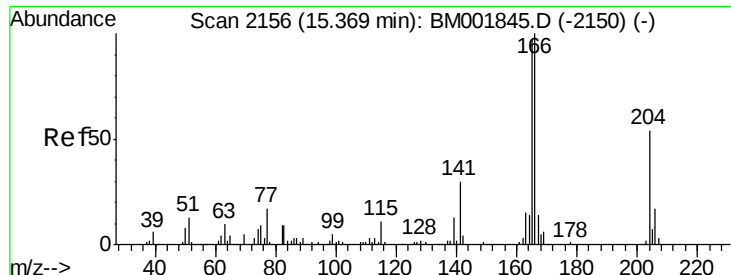
Tgt Ion:168 Resp: 23790

Ion Ratio Lower Upper

168 100

139 42.9 30.1 45.1





#58

Fluorene

Concen: 1.15 ng/ul

RT: 15.37 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM001871.D

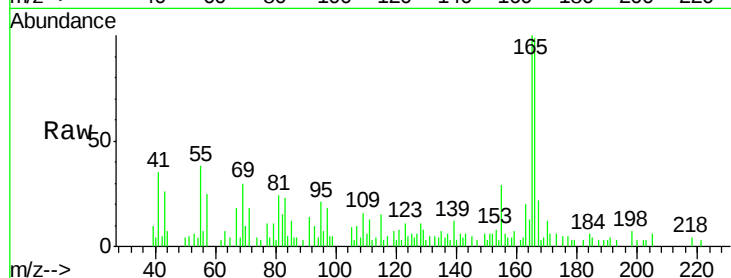
Acq: 07 Jul 2015 19:44

Instrument :

BNA_M

ClientSampleId :

G93L6



Tgt Ion:166 Resp: 16835

Ion Ratio Lower Upper

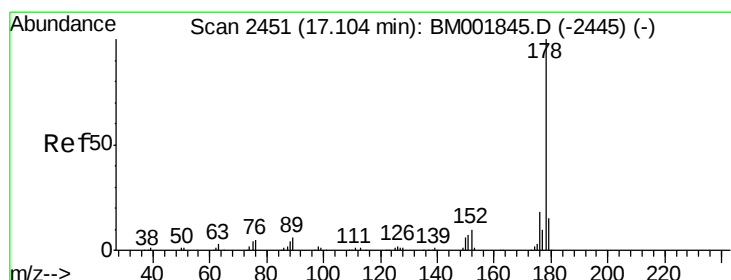
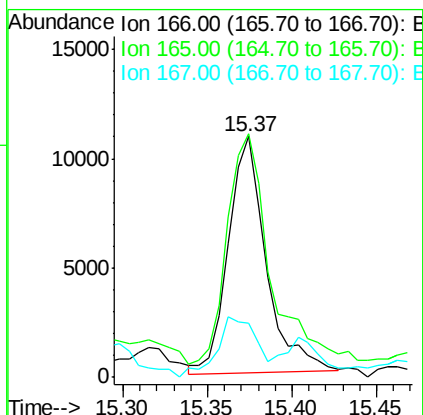
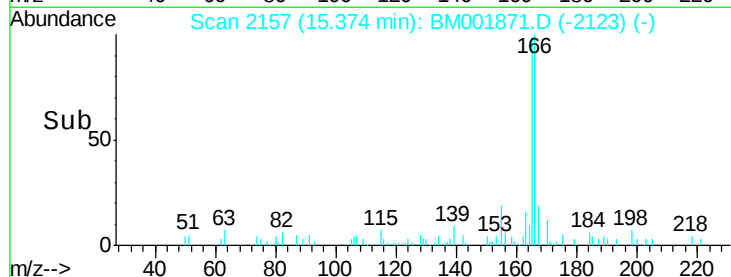
166 100

165 101.1 77.4 116.2

167 22.5 11.3 16.9#

Manual Integrations
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#69

Phenanthrene

Concen: 14.30 ng/ul

RT: 17.12 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM001871.D

Acq: 07 Jul 2015 19:44

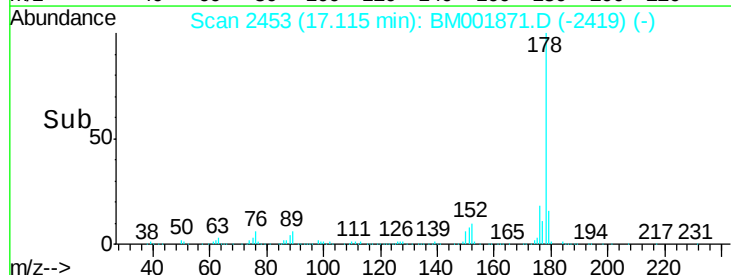
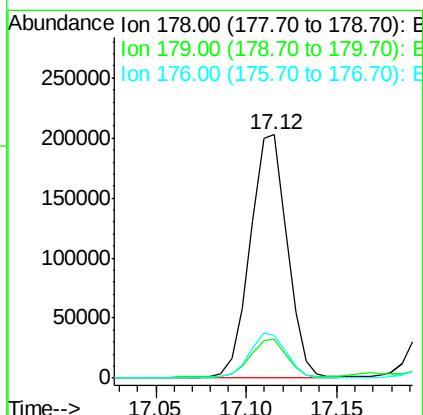
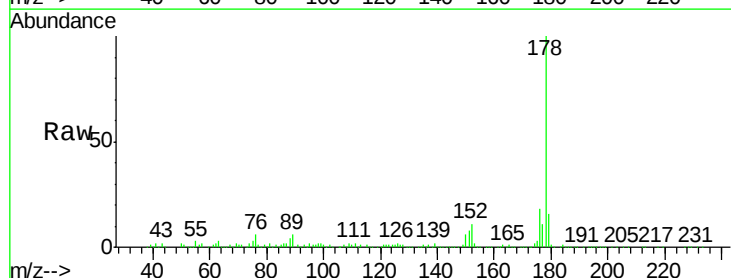
Tgt Ion:178 Resp: 286645

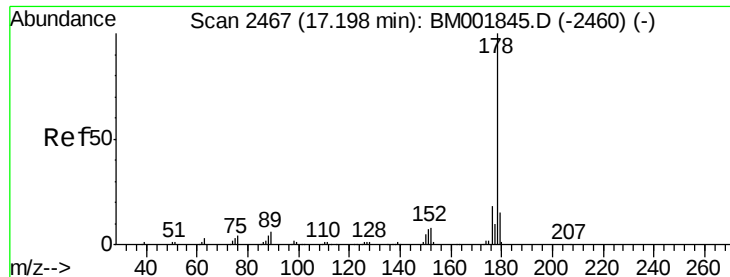
Ion Ratio Lower Upper

178 100

179 16.0 11.9 17.9

176 17.6 15.2 22.8





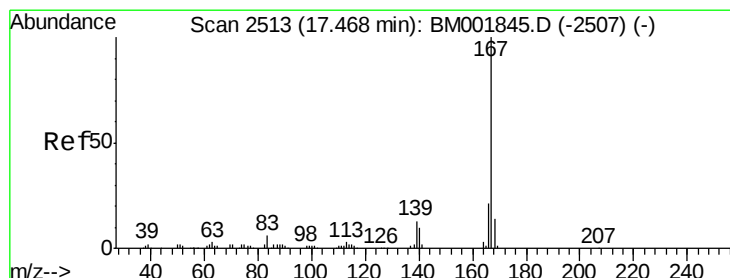
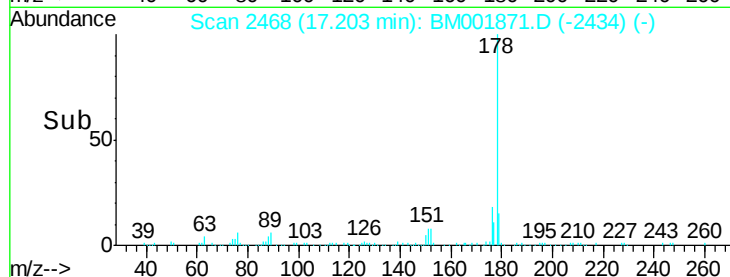
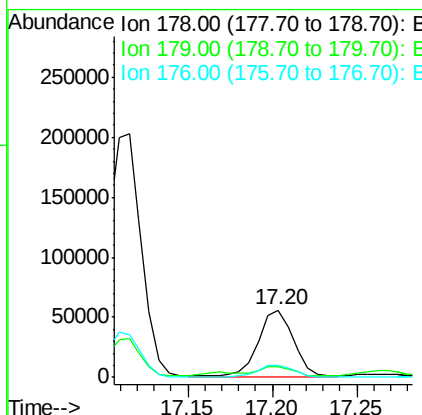
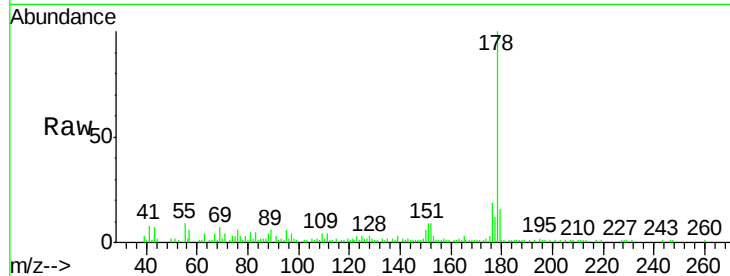
#71
 Anthracene
 Concen: 3.89 ng/ul
 RT: 17.20 min Scan# 2468
 Delta R.T. -0.00 min
 Lab File: BM001871.D
 Acq: 07 Jul 2015 19:44

Instrument :
 BNA_M
 ClientSampled :
 G93L6

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	11.8	17.8
176	18.6	14.4	21.6

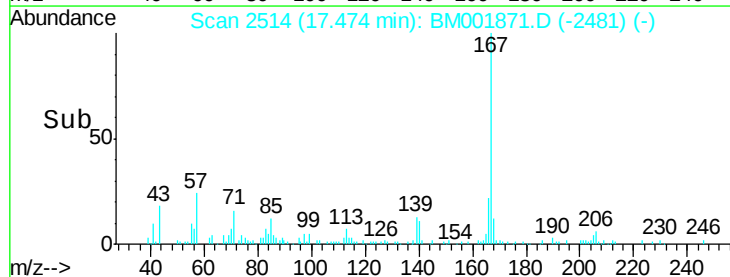
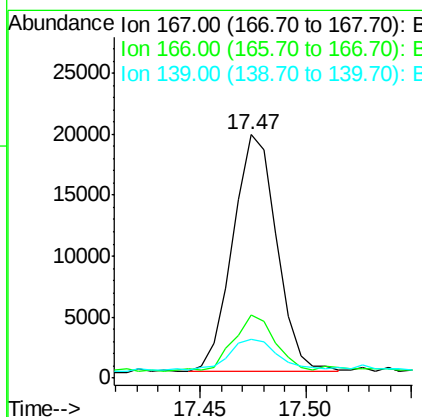
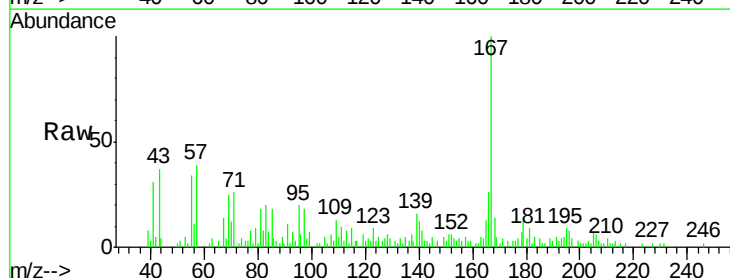
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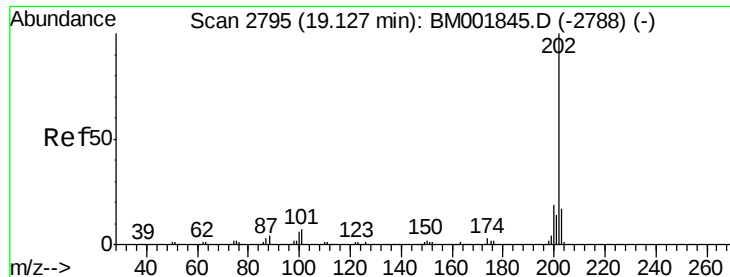
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#74
 Carbazole
 Concen: 1.56 ng/ul
 RT: 17.47 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BM001871.D
 Acq: 07 Jul 2015 19:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.8	17.4	26.2
139	16.1	10.1	15.1#





#76

Fluoranthene

Concen: 18.82 ng/ul

RT: 19.13 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM001871.D

Acq: 07 Jul 2015 19:44

Instrument :

BNA_M

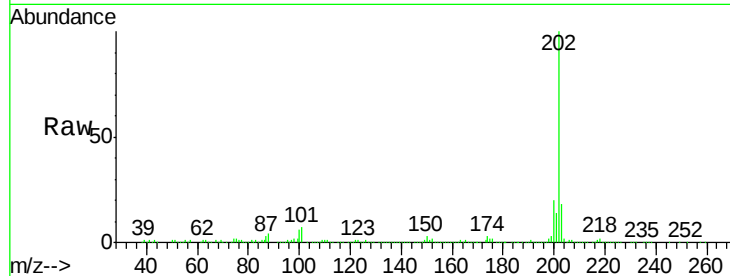
ClientSampleId :

G93L6

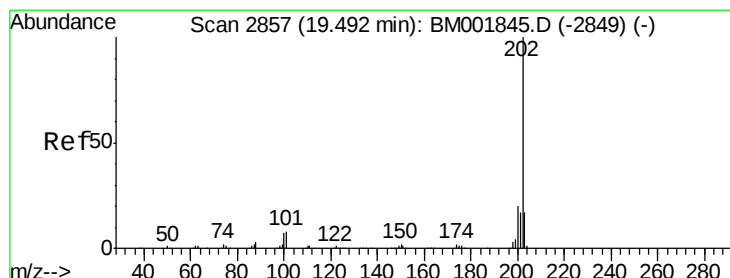
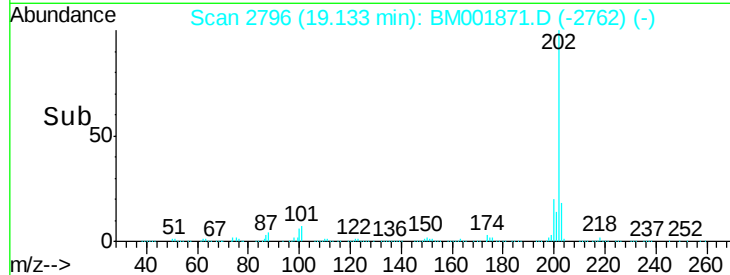
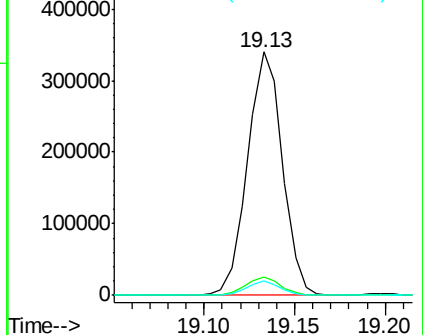
Tgt	Ion	202	Resp:	451336
Ion	Ratio	Lower	Upper	
202	100			
101	7.3	6.1	9.1	
100	5.9	4.8	7.2	

Manual Integrations
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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: 21.66 ng/ul

RT: 19.50 min Scan# 2858

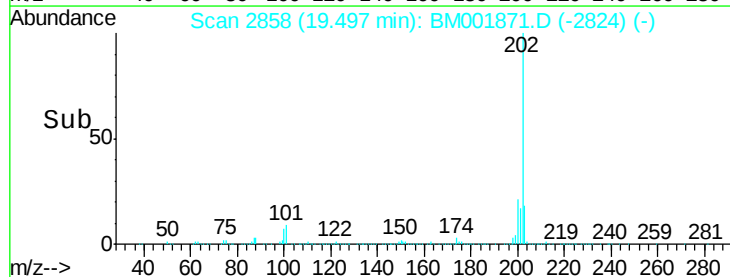
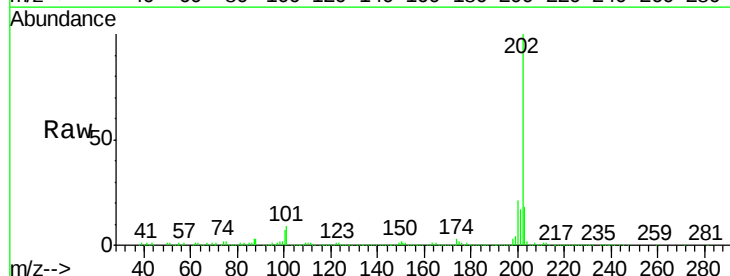
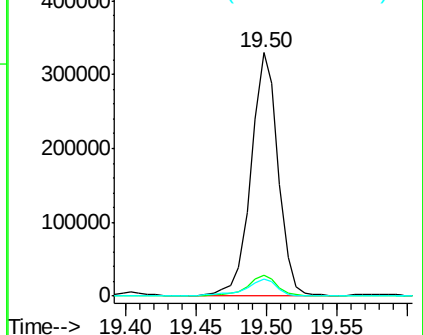
Delta R.T. -0.00 min

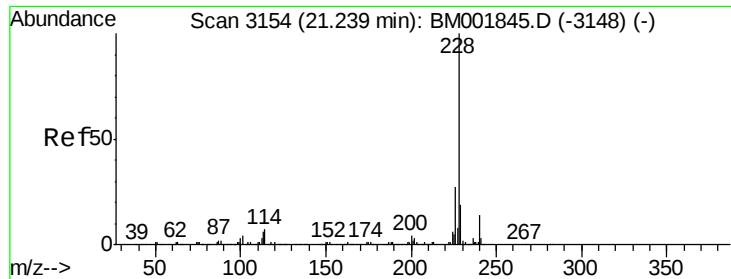
Lab File: BM001871.D

Acq: 07 Jul 2015 19:44

Tgt	Ion	202	Resp:	443233
Ion	Ratio	Lower	Upper	
202	100			
101	8.6	6.9	10.3	
100	7.0	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





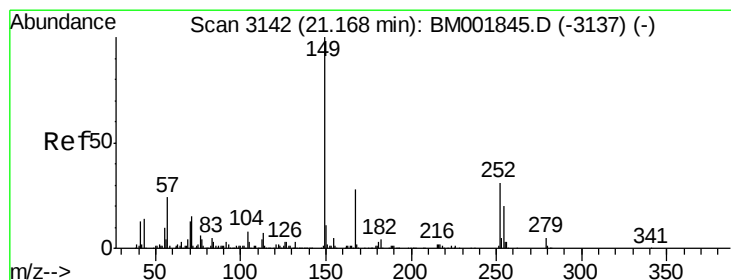
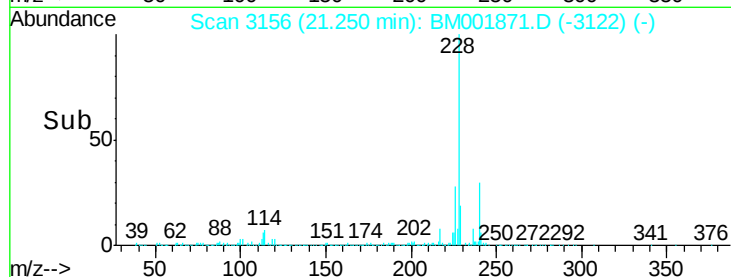
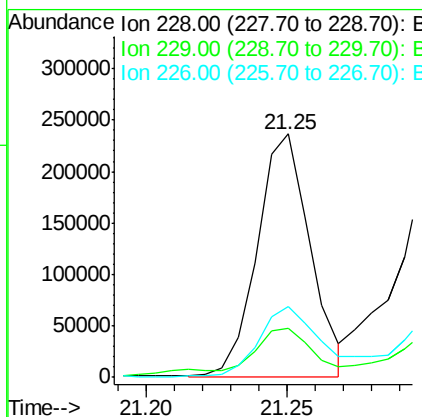
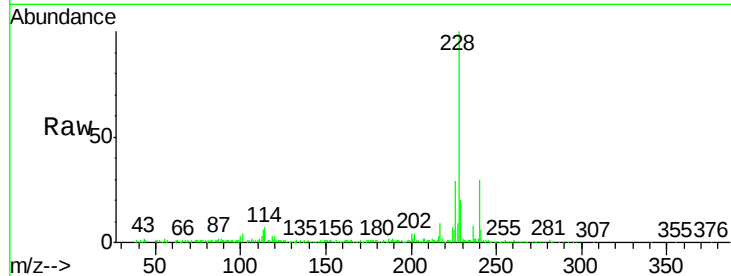
#82
Benzo(a)anthracene
Concen: 14.20 ng/ul
RT: 21.25 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

Instrument :
BNA_M
ClientSampleId :
G93L6

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.4	23.0
226	29.0	20.6	30.8

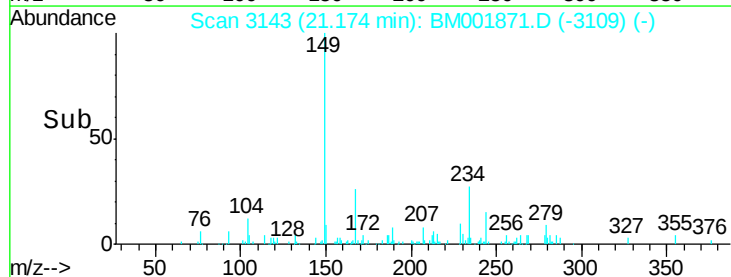
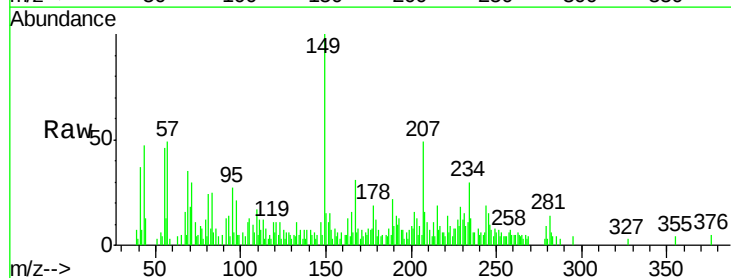
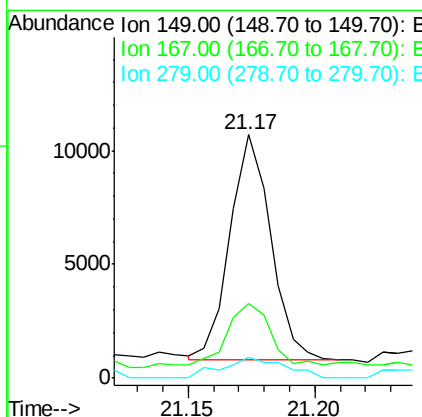
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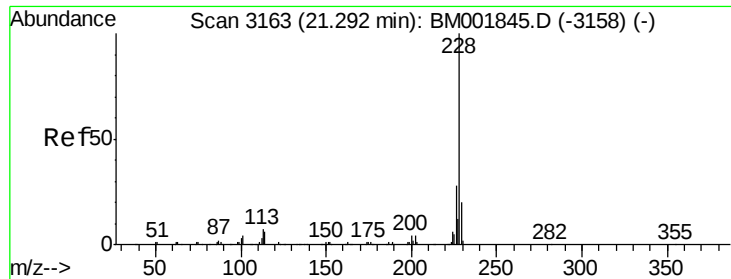
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#83
Bis(2-ethylhexyl)phthalate
Concen: 1.10 ng/ul
RT: 21.17 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.7	22.7	34.1
279	8.5	3.8	5.8





#84

Chrysene

Concen: 14.78 ng/ul

RT: 21.30 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BM001871.D

Acq: 07 Jul 2015 19:44

Instrument :

BNA_M

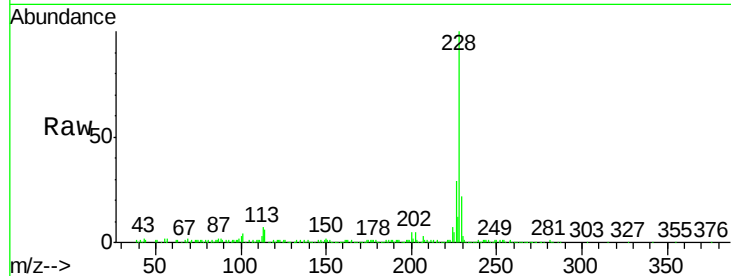
ClientSampleId :

G93L6

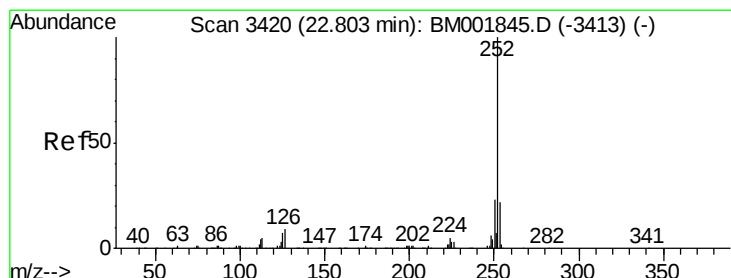
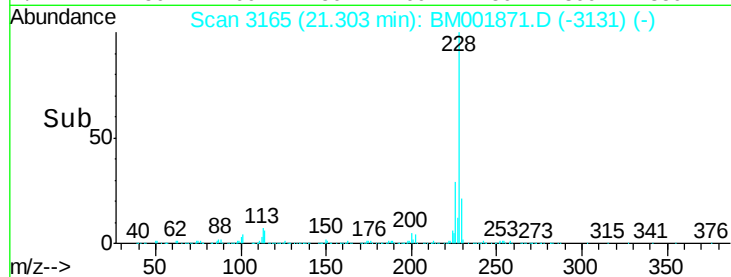
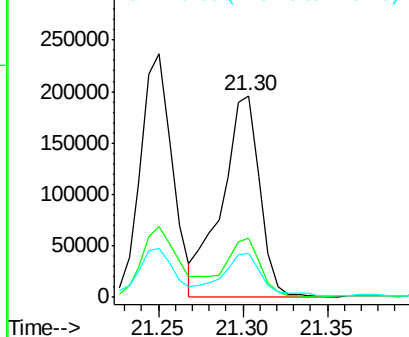
Tgt	Ion	228	Resp	301915
Ion	Ratio	Lower	Upper	
228	100			
226	29.3	23.0	34.4	
229	21.8	15.4	23.2	

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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: 26.12 ng/ul

RT: 22.83 min Scan# 3424

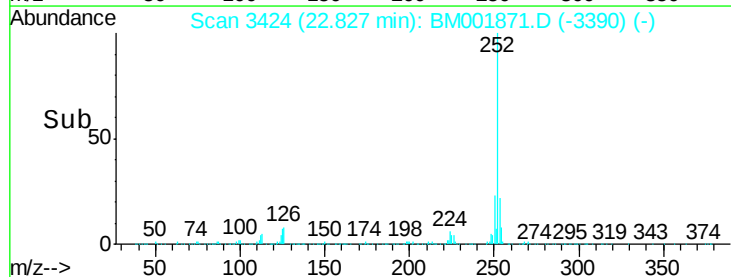
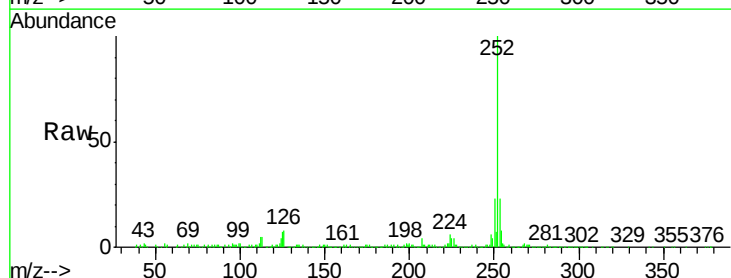
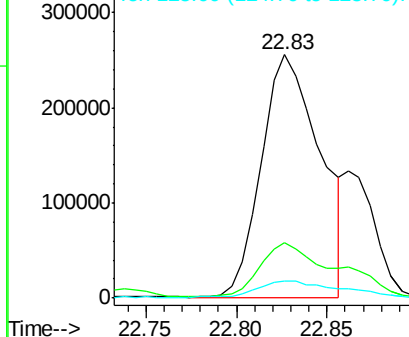
Delta R.T. -0.00 min

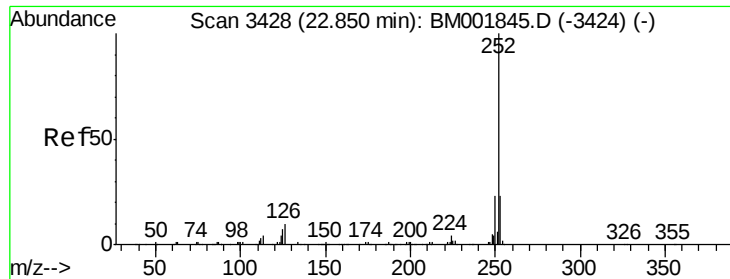
Lab File: BM001871.D

Acq: 07 Jul 2015 19:44

Tgt	Ion	252	Resp	577369
Ion	Ratio	Lower	Upper	
252	100			
253	22.6	17.8	26.6	
125	7.2	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





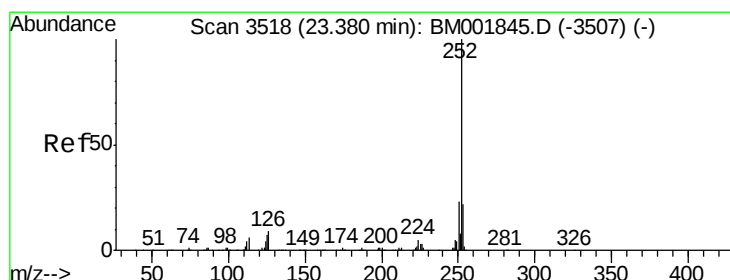
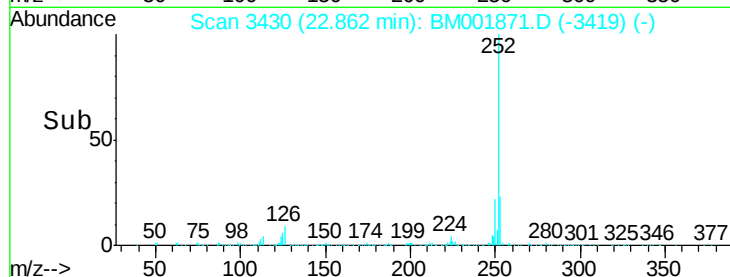
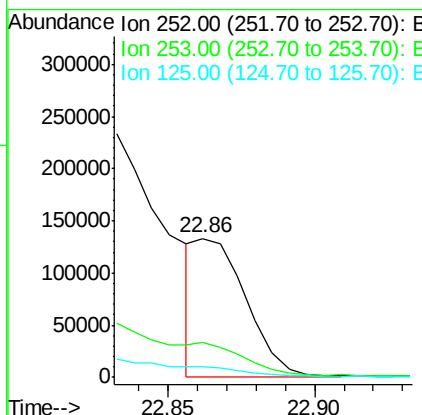
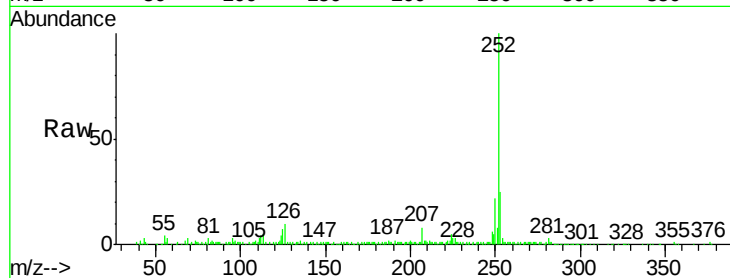
#88
Benzo(k)fluoranthene
Concen: 7.44 ng/ul m
RT: 22.86 min Scan# 3430
Delta R.T. -0.01 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

Instrument :
BNA_M
ClientSampleId :
G93L6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	7.3	5.3	7.9

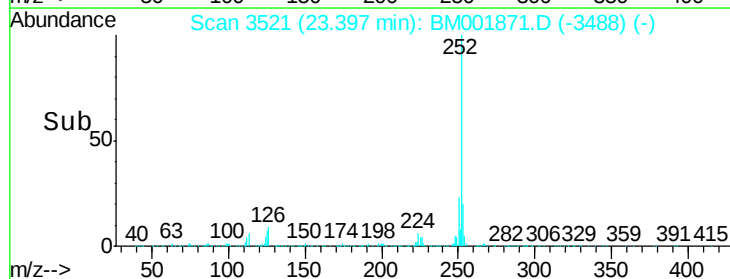
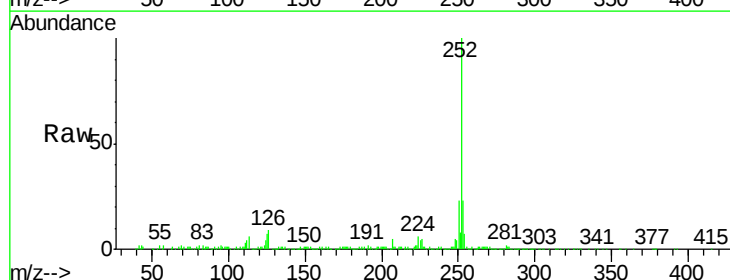
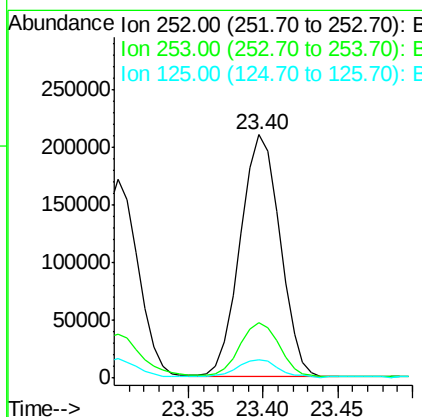
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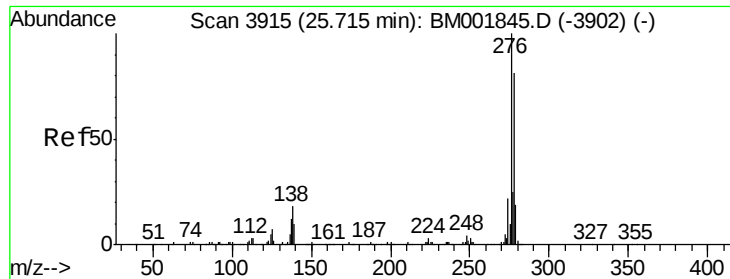
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#90
Benzo(a)pyrene
Concen: 18.07 ng/ul
RT: 23.40 min Scan# 3521
Delta R.T. -0.01 min
Lab File: BM001871.D
Acq: 07 Jul 2015 19:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	7.3	6.0	9.0





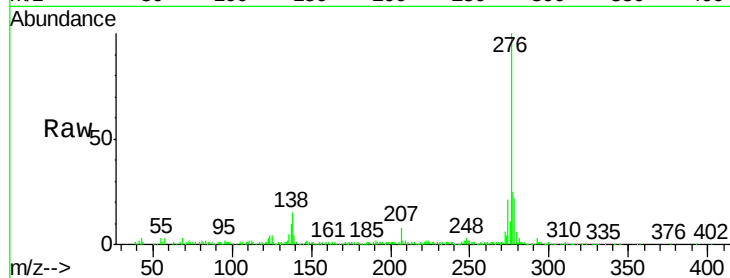
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 15.19 ng/ul
 RT: 25.74 min Scan# 3920
 Delta R.T. -0.01 min
 Lab File: BM001871.D
 Acq: 07 Jul 2015 19:44

Instrument :
 BNA_M
 ClientSampleId :
 G93L6

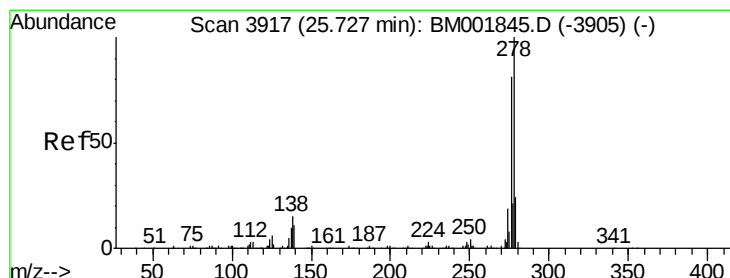
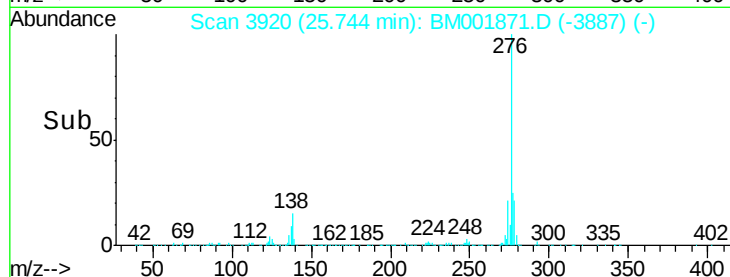
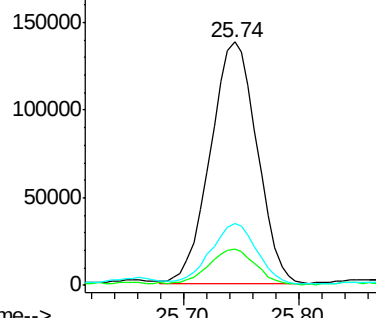
Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	14.7	22.1
277	25.4	19.7	29.5

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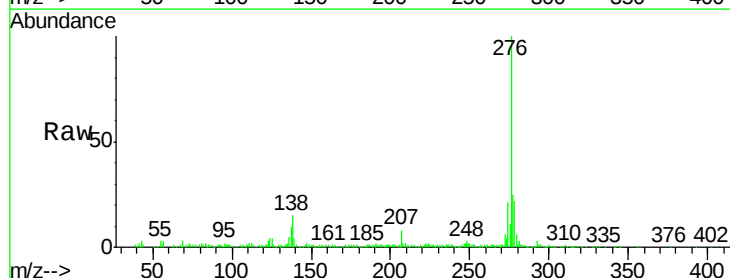


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

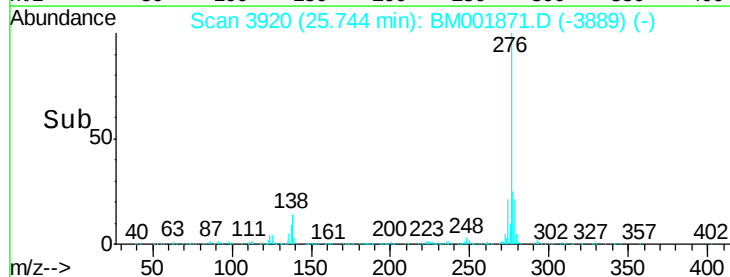
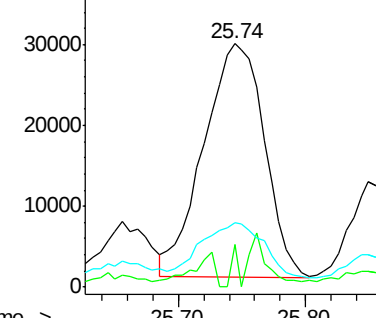


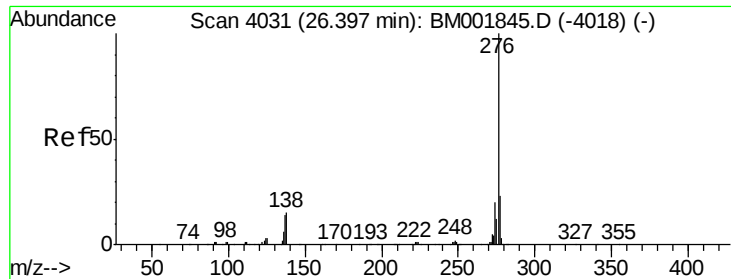
#92
 Dibenzo(a,h)anthracene
 Concen: 4.49 ng/ul
 RT: 25.74 min Scan# 3920
 Delta R.T. -0.02 min
 Lab File: BM001871.D
 Acq: 07 Jul 2015 19:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	9.2	13.8#
279	26.3	19.1	28.7



Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#93
 Benzo(g,h,i)perylene
 Concen: 16.61 ng/ul
 RT: 26.44 min Scan# 4038
 Delta R.T. -0.01 min
 Lab File: BM001871.D
 Acq: 07 Jul 2015 19:44

Instrument :
 BNA_M
 ClientSampleId :
 G93L6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.6	19.0
277	22.7	18.7	28.1

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