

Data File : BM010738.D
Acq On : 24 Jun 2017 20:03
Operator : SJ/JU
Sample : I3653-07DL 30X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C50DL

Manual Integrations
APPROVED

mohammad
6/28/2017 7:43:46 AM

Quant Time: Jun 26 08:10:09 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 04:54:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	57040	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	250623	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	172428	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	441104	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	543528	20.00	ng/ul	0.00
83) Perylene-d12	23.21	264	423772	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.64	99	1782	0.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	1318	0.42	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	1452	0.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	1649	0.37	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	501	0.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	534	0.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	2234	0.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	1913	0.42	ng/ul	-0.01
43) Dimethylphthalate-d6	13.53	166	8171	0.54	ng/ul	0.00
46) Acenaphthylene-d8	13.79	160	7429	0.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	175	0.07	ng/ul	0.00
57) Fluorene-d10	15.11	176	7808	0.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	711	0.26	ng/ul	0.00
70) Anthracene-d10	16.96	188	11505m	0.54	ng/ul	0.00
76) Pyrene-d10	19.27	212	13943	0.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	9887	0.48	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	184356	14.78	ng/ul	98
34) 2-Methylnaphthalene	11.89	142	40286	4.02	ng/ul	95
40) 1,1'-Biphenyl	12.93	154	35446	2.63	ng/ul	92
49) Acenaphthene	14.17	153	178739	15.80	ng/ul	97
53) Dibenzofuran	14.51	168	256926	15.00	ng/ul	91
58) Fluorene	15.16	166	280024	19.52	ng/ul	99
69) Phenanthrene	16.91	178	984588	41.99	ng/ul	98
71) Anthracene	17.00	178	643528	26.64	ng/ul	98
72) Carbazole	17.27	167	200608	9.52	ng/ul	99
74) Fluoranthene	18.94	202	729601	24.14	ng/ul	98
77) Pyrene	19.30	202	502475	16.01	ng/ul	98
80) Benzo(a)anthracene	21.06	228	191012	6.03	ng/ul	98
82) Chrysene	21.12	228	167294	5.93	ng/ul	95
85) Benzo(b)fluoranthene	22.59	252	121267	4.41	ng/ul#	93
86) Benzo(k)fluoranthene	22.62	252	44049m	1.69	ng/ul	
88) Benzo(a)pyrene	23.12	252	77517	3.06	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	25.32	276	30495	1.16	ng/ul#	95

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

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F5C50DL

Manual Integrations
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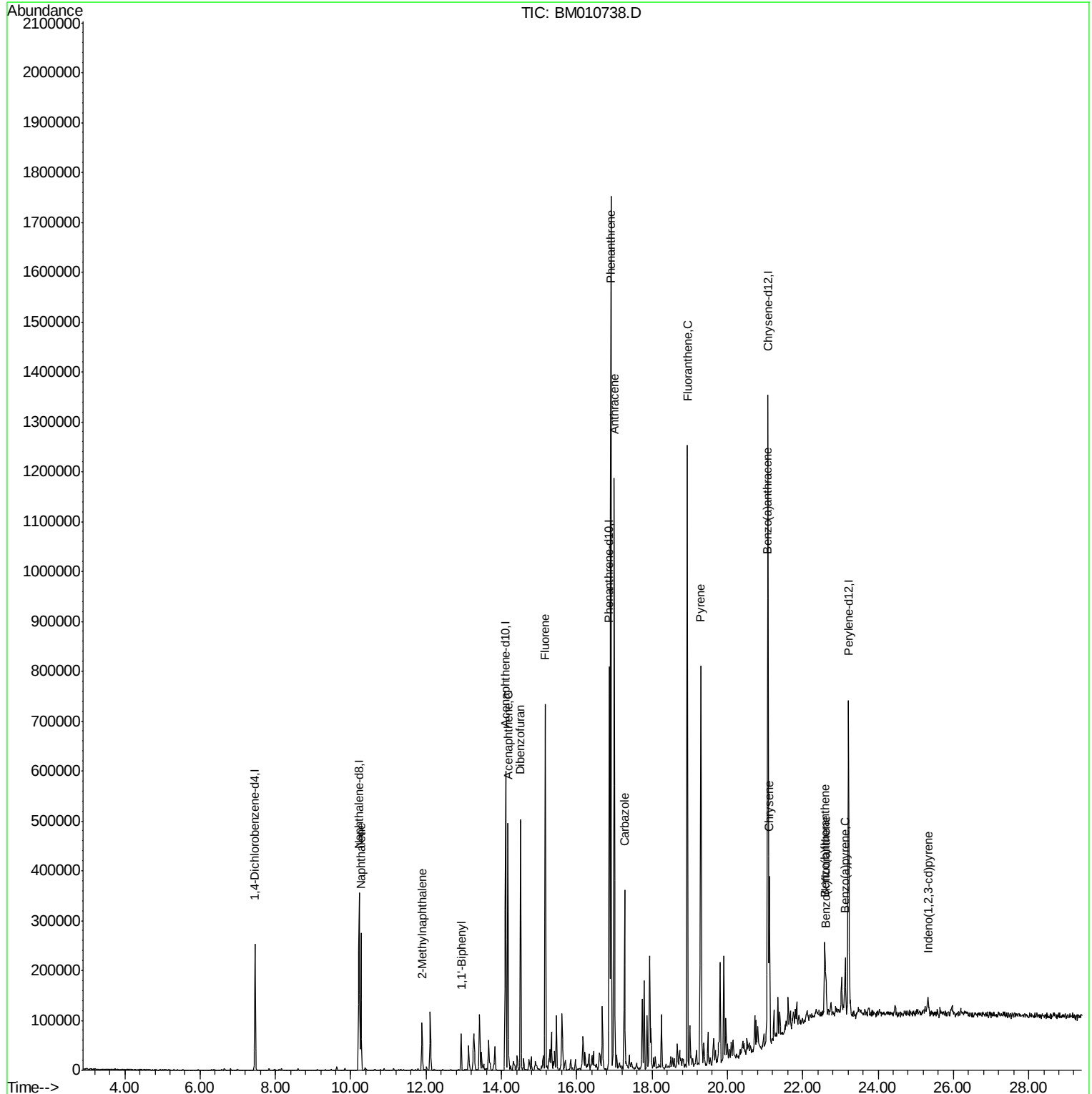
Quant Time: Jun 26 08:10:09 2017

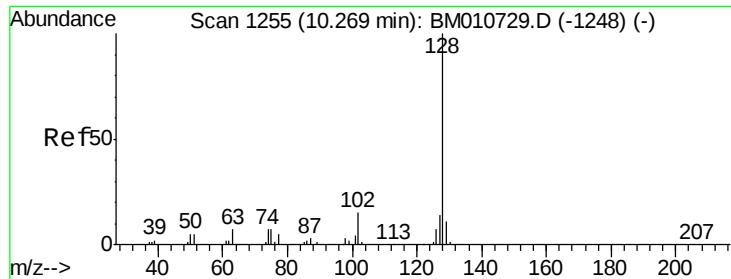
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

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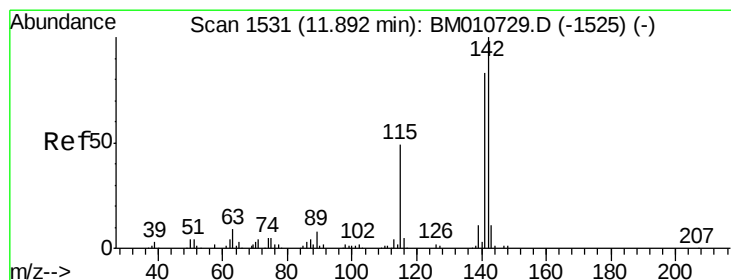
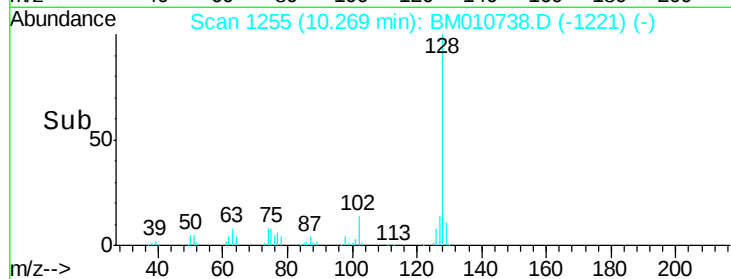
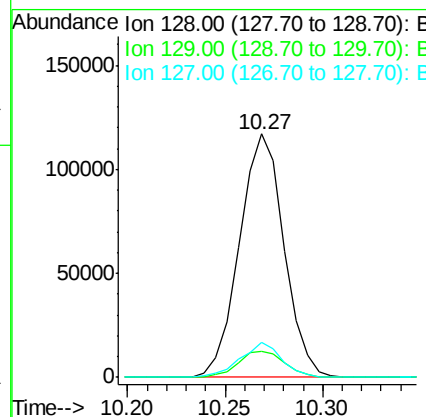
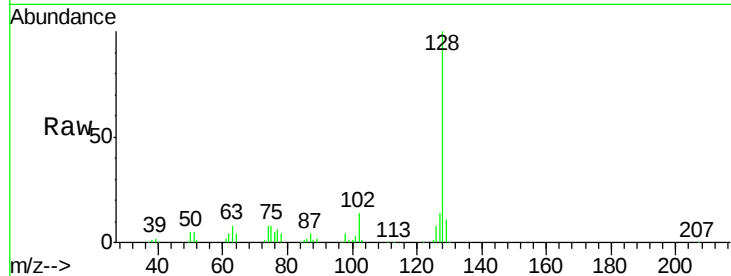
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Naphthalene
Concen: 14.78 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

Instrument :
BNA_M
ClientSampleId :
F5C50DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	184356		
129	10.6		8.8	13.2
127	14.3		10.6	16.0

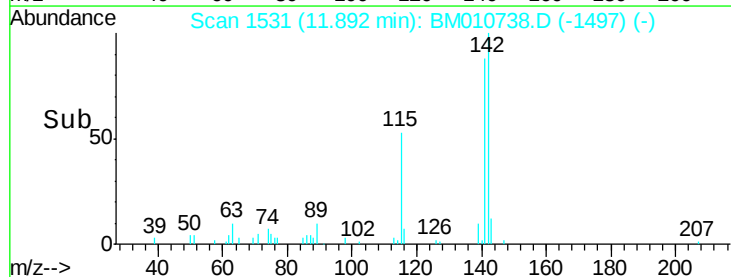
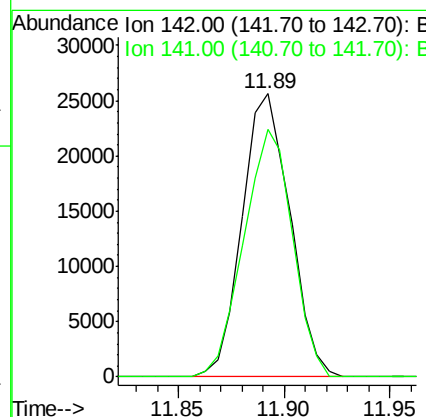
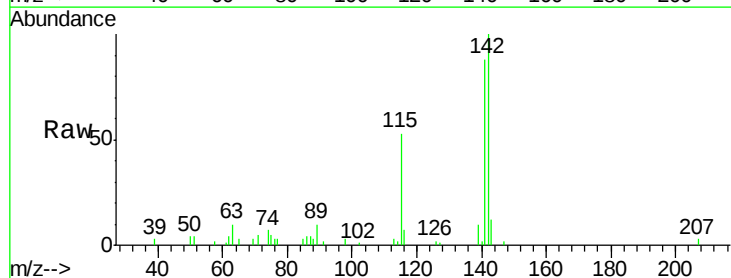
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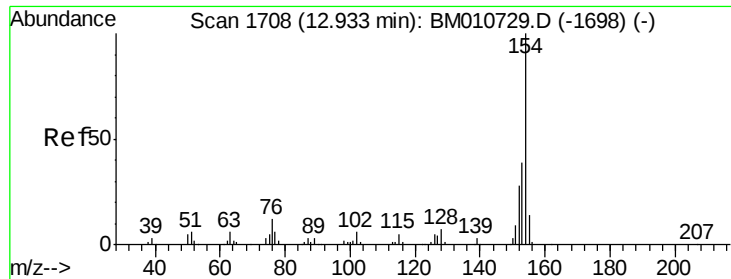
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#34
2-Methylnaphthalene
Concen: 4.02 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	40286		
141	87.6		74.1	111.1





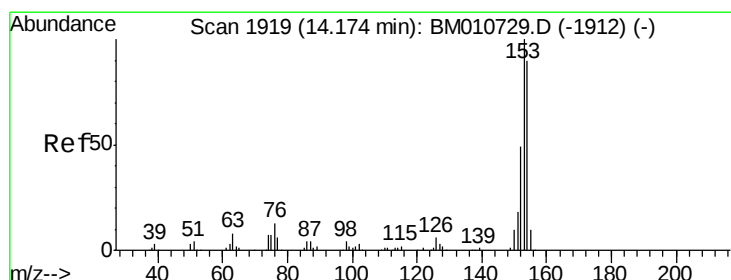
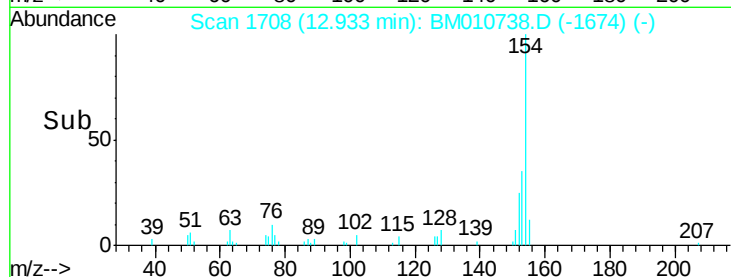
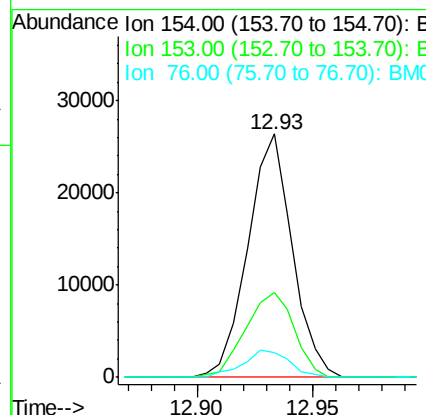
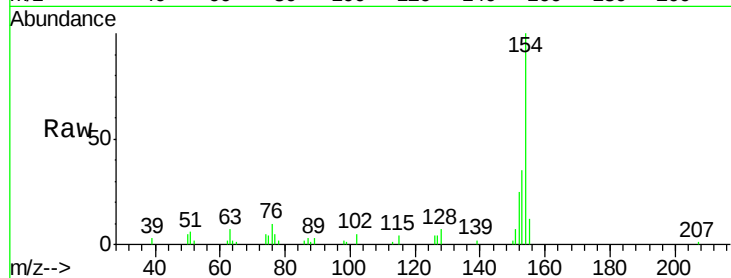
#40
 1,1'-Biphenyl
 Concen: 2.63 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

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 F5C50DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	34.7	32.6	48.8
76	10.1	8.5	12.7

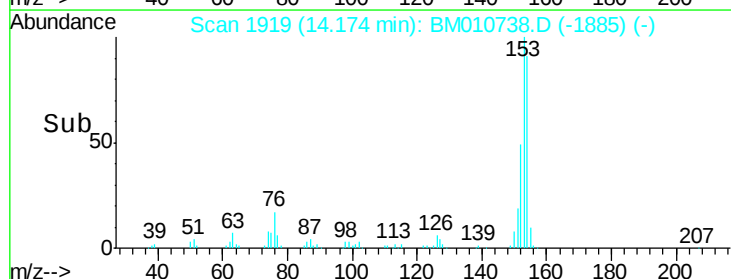
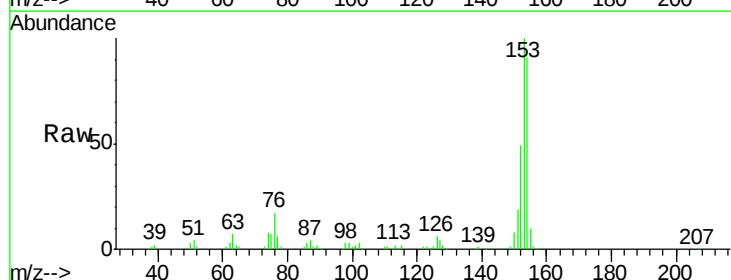
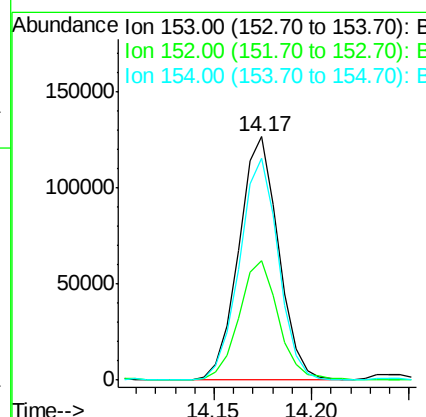
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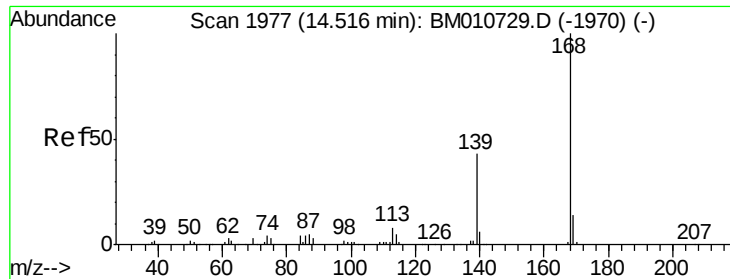
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#49
 Acenaphthene
 Concen: 15.80 ng/ul
 RT: 14.17 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.1	37.6	56.4
154	90.9	70.4	105.6





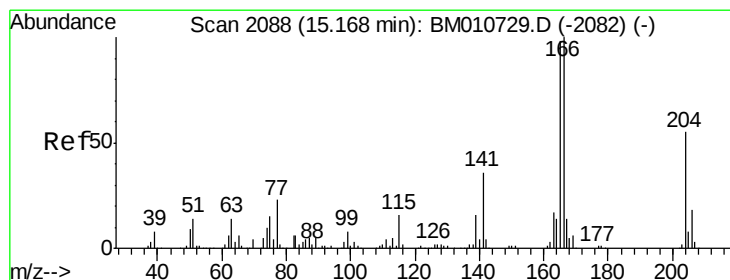
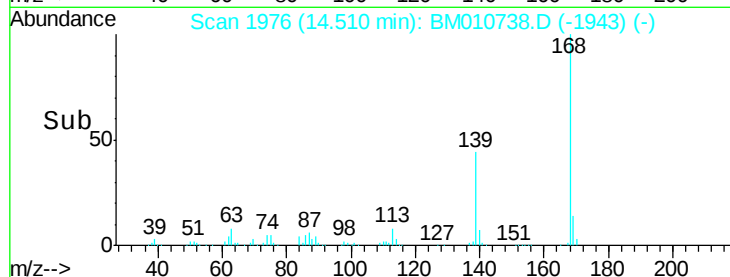
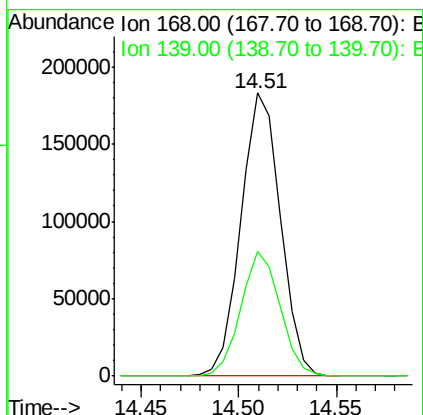
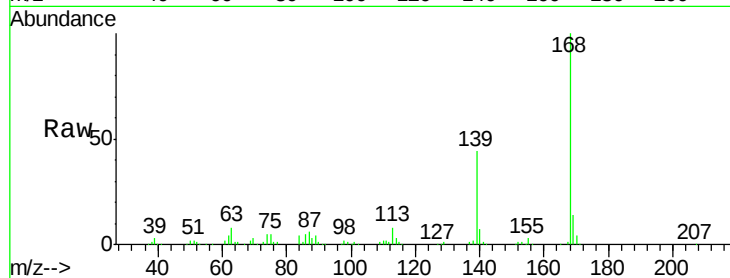
#53
Dibenzofuran
Concen: 15.00 ng/ul
RT: 14.51 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

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F5C50DL

Tgt Ion:168 Resp: 256926
Ion Ratio Lower Upper
168 100
139 43.8 30.8 46.2

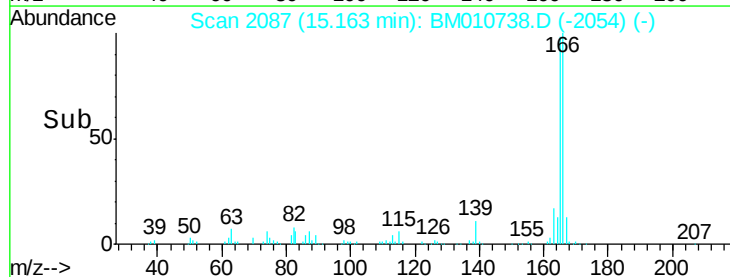
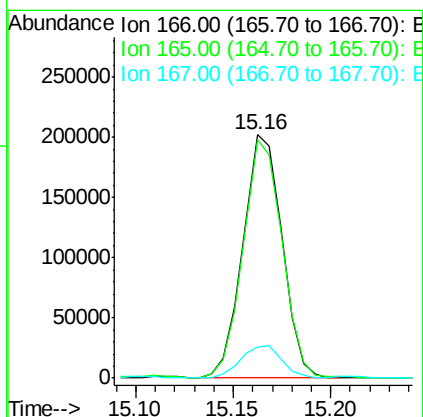
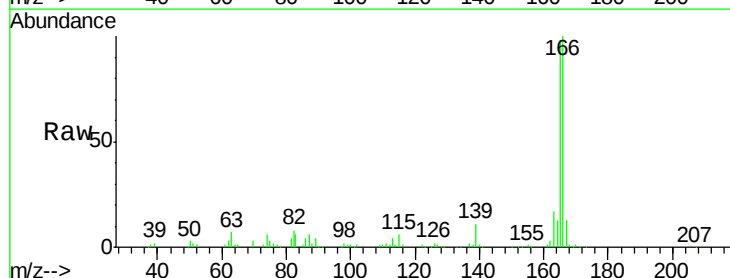
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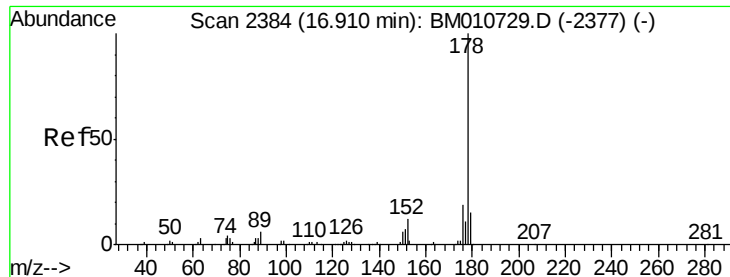
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#58
Fluorene
Concen: 19.52 ng/ul
RT: 15.16 min Scan# 2087
Delta R.T. -0.01 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

Tgt Ion:166 Resp: 280024
Ion Ratio Lower Upper
166 100
165 98.1 77.9 116.9
167 13.0 10.6 16.0





#69

Phenanthrene

Concen: 41.99 ng/u1

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Instrument :

BNA_M

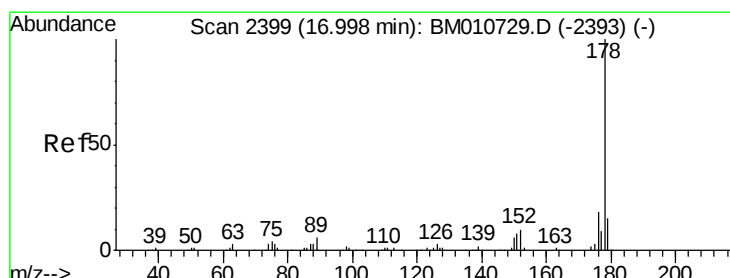
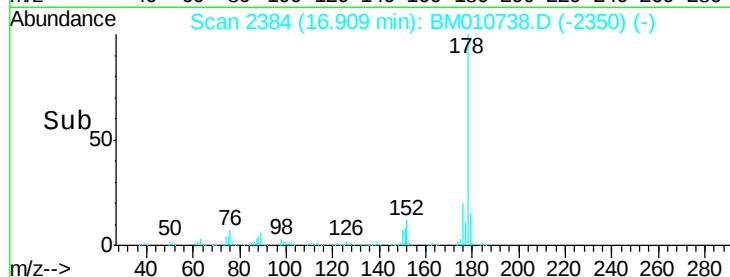
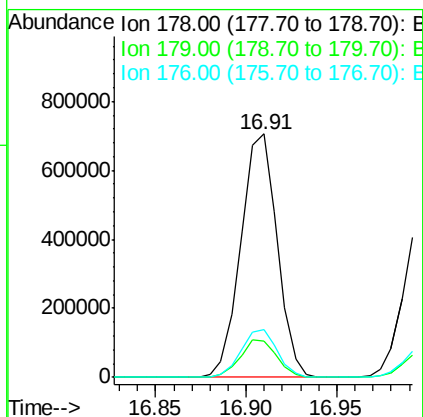
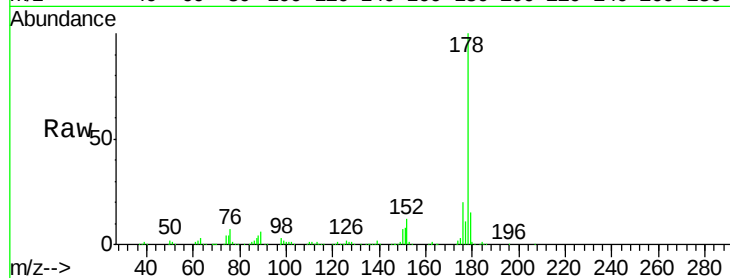
ClientSampleId :

F5C50DL

Tgt Ion:	178	Resp:	984588
Ion Ratio	Lower	Upper	
178	100		
179	14.7	12.6	19.0
176	19.5	14.9	22.3

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#71

Anthracene

Concen: 26.64 ng/u1

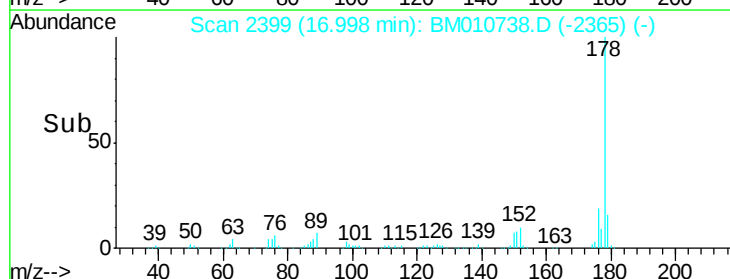
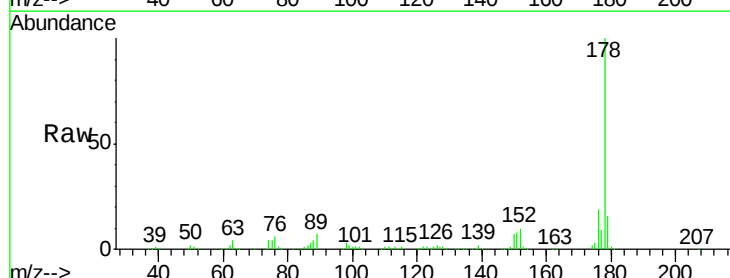
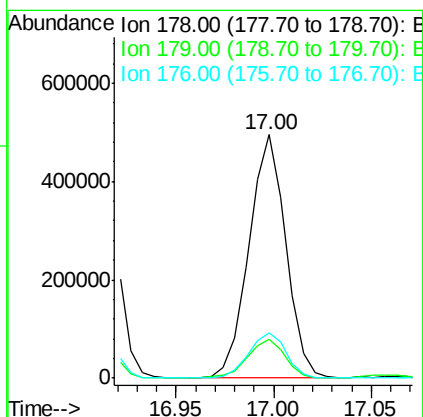
RT: 17.00 min Scan# 2399

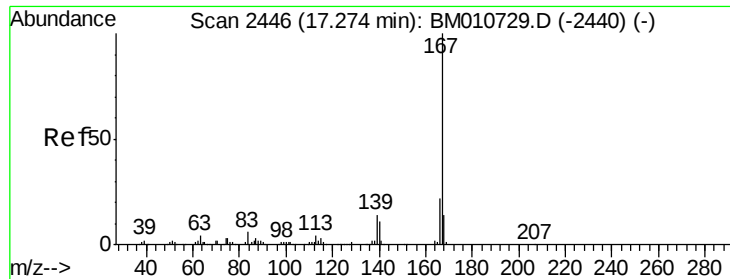
Delta R.T. -0.00 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Tgt Ion:	178	Resp:	643528
Ion Ratio	Lower	Upper	
178	100		
179	15.7	11.7	17.5
176	18.5	14.6	21.8





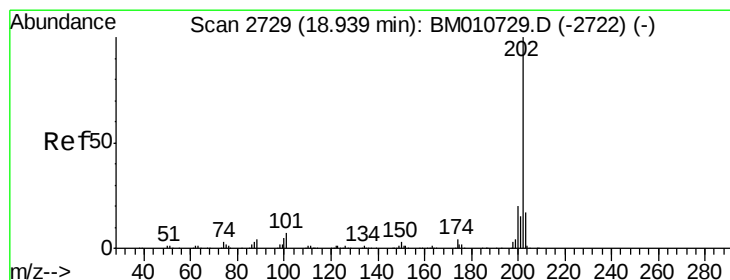
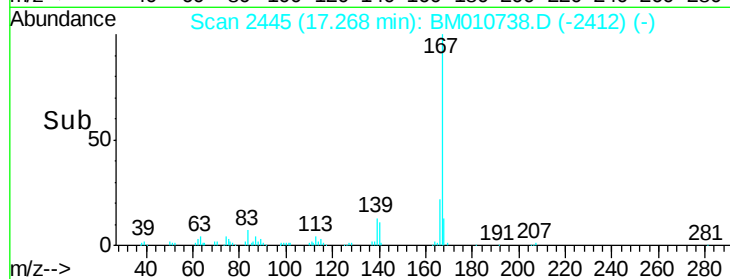
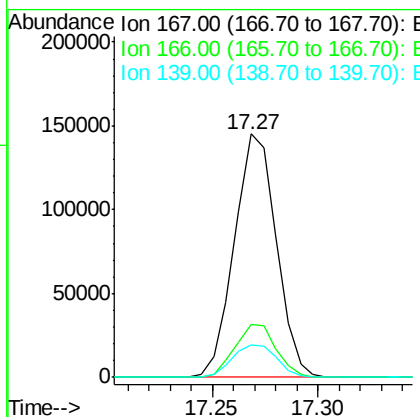
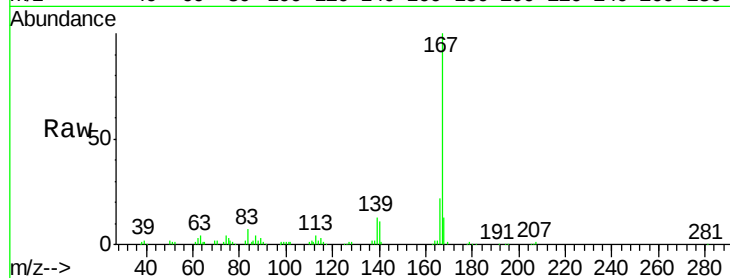
#72
 Carbazole
 Concen: 9.52 ng/ul
 RT: 17.27 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

Instrument :
 BNA_M
 ClientSampleId :
 F5C50DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	21.7	17.1	25.7
139	13.4	10.0	15.0

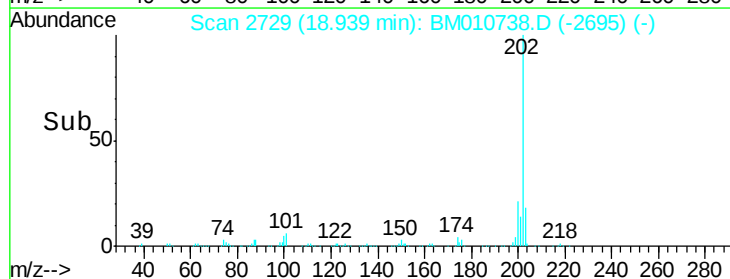
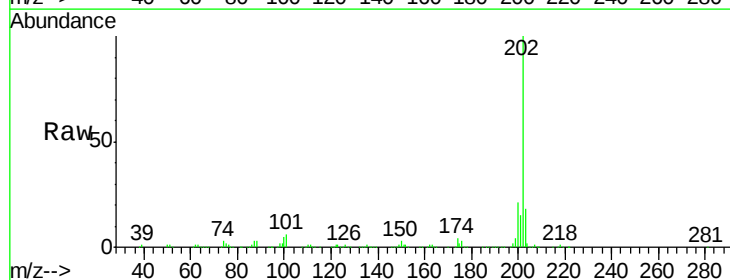
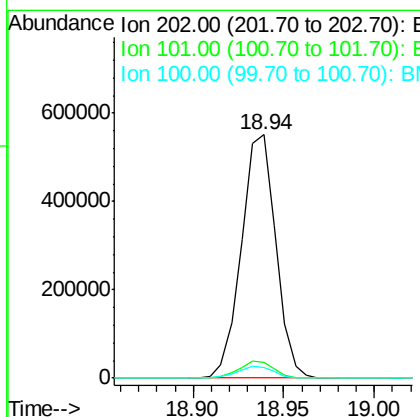
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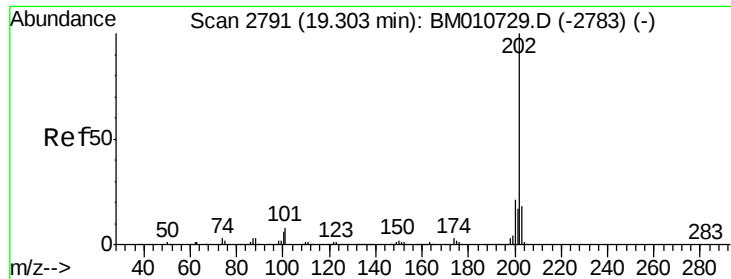
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#74
 Fluoranthene
 Concen: 24.14 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM010738.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.5	4.6	7.0
100	4.6	3.4	5.2





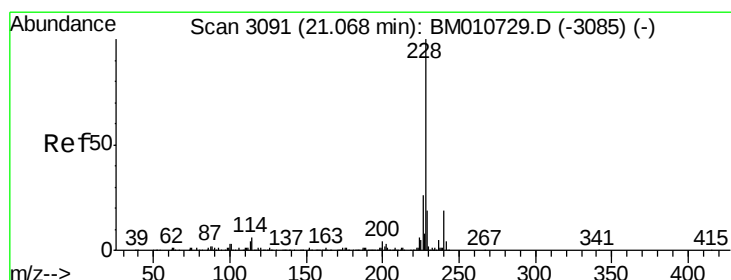
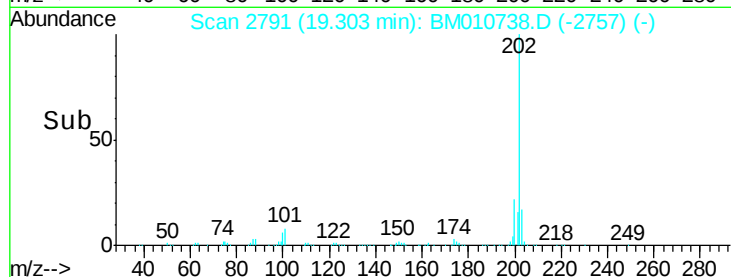
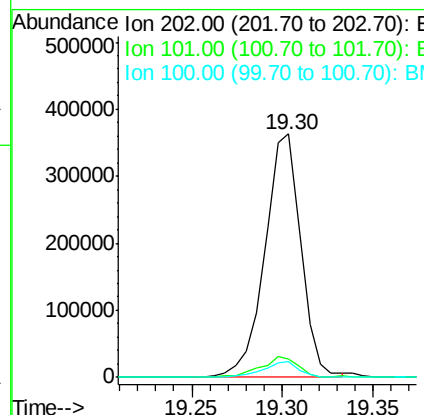
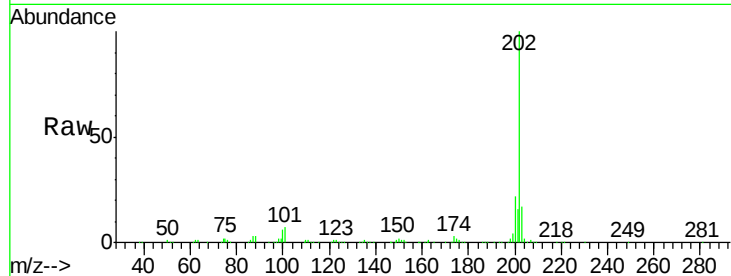
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 Pyrene
 Concen: 16.01 ng/ul
 RT: 19.30 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	502475		
101	7.5	5.1	7.7	
100	6.5	4.9	7.3	

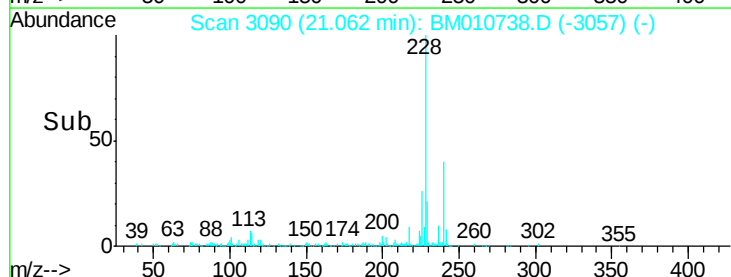
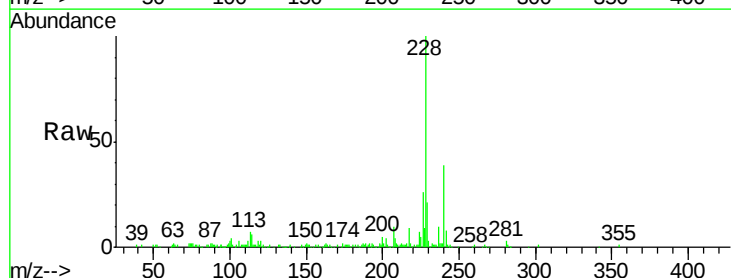
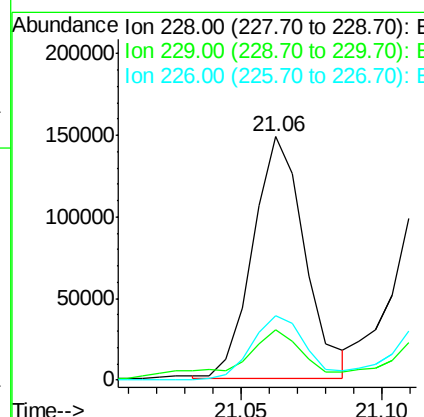
Manual Integrations
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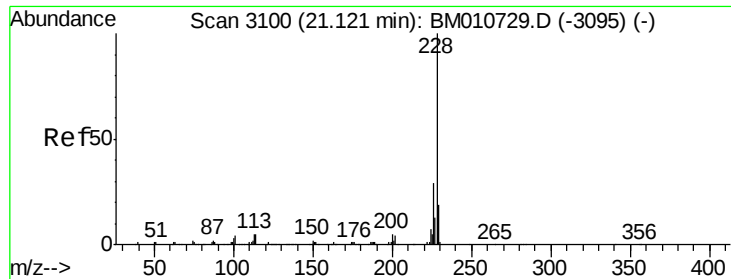
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#80
 Benzo(a)anthracene
 Concen: 6.03 ng/ul
 RT: 21.06 min Scan# 3090
 Delta R.T. -0.01 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	191012		
229	20.6	15.4	23.0	
226	26.2	21.4	32.0	





#82

Chrysene

Concen: 5.93 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Instrument :

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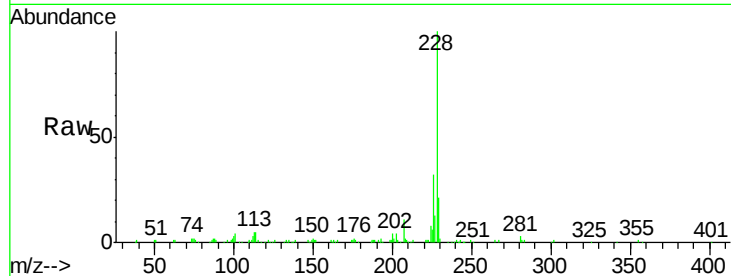
ClientSampleId :

F5C50DL

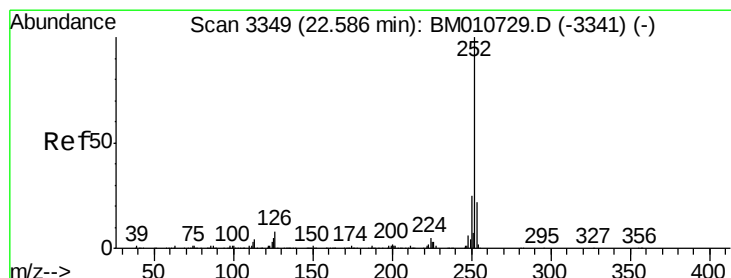
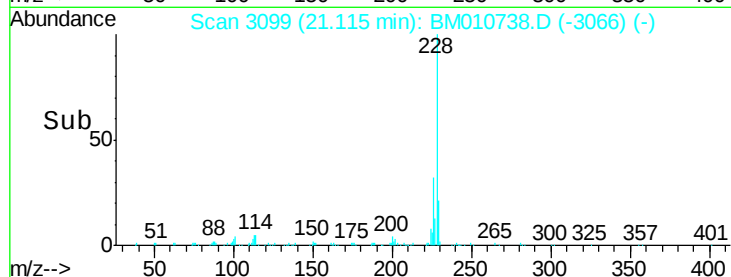
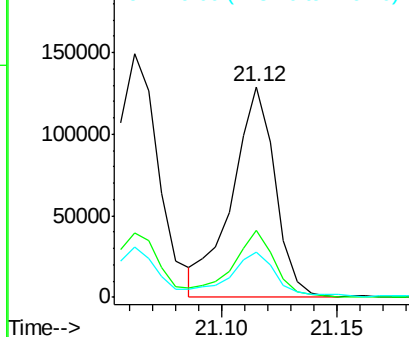
Tgt Ion:	228	Resp:	167294
Ion Ratio	Lower	Upper	
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226	31.8	23.4	35.2
229	21.4	15.5	23.3

Manual Integrations
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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



#85

Benzo(b)fluoranthene

Concen: 4.41 ng/ul

RT: 22.59 min Scan# 3349

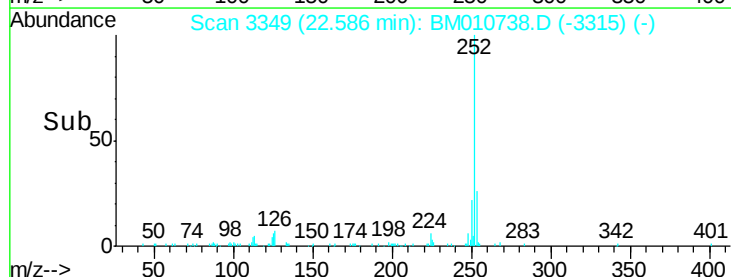
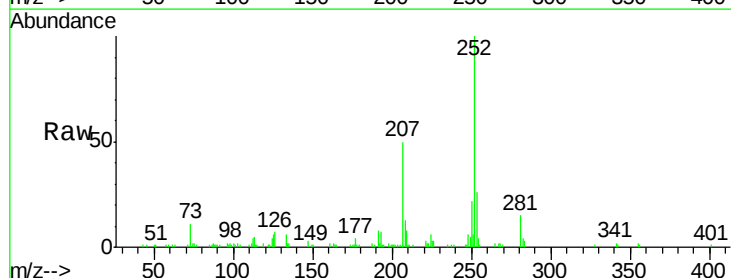
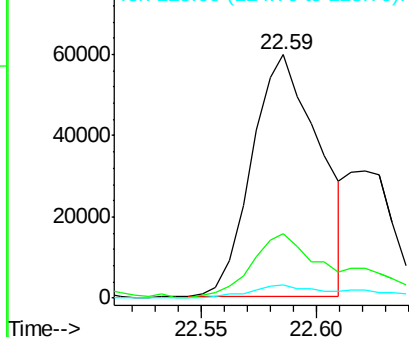
Delta R.T. -0.00 min

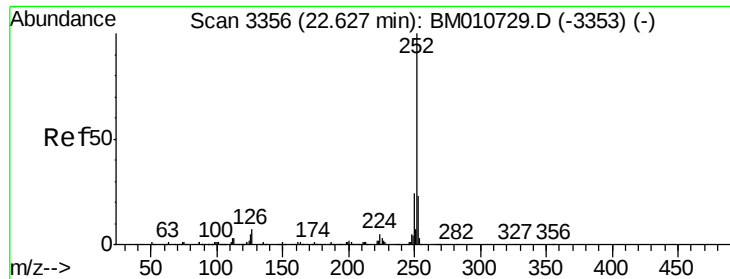
Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Tgt Ion:	252	Resp:	121267
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.9	26.9
125	5.5	3.6	5.4#

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





#86

Benzo(k)fluoranthene

Concen: 1.69 ng/ul m

RT: 22.62 min Scan# 3355

Delta R.T. -0.01 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Instrument :

BNA_M

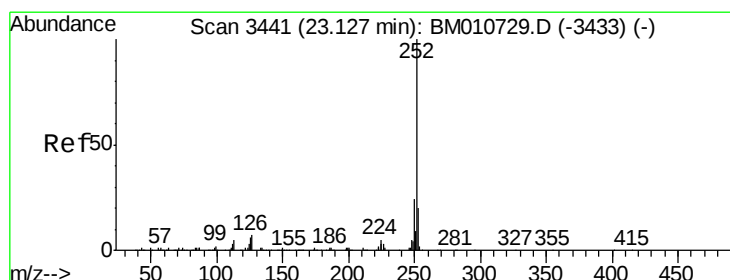
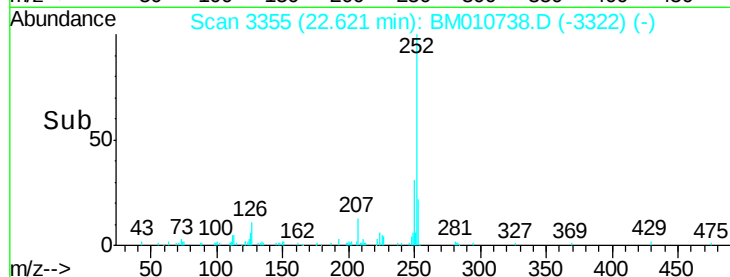
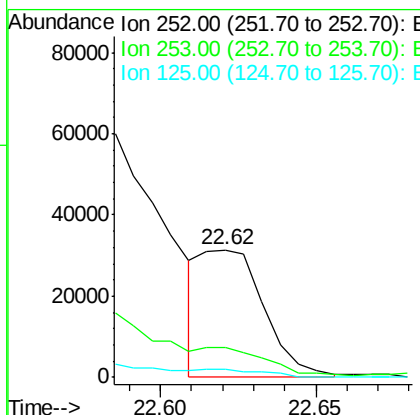
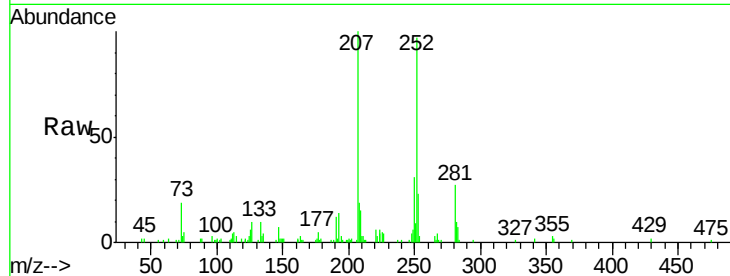
ClientSampleId :

F5C50DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	6.1	3.4	5.2

Manual Integrations
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#88

Benzo(a)pyrene

Concen: 3.06 ng/ul

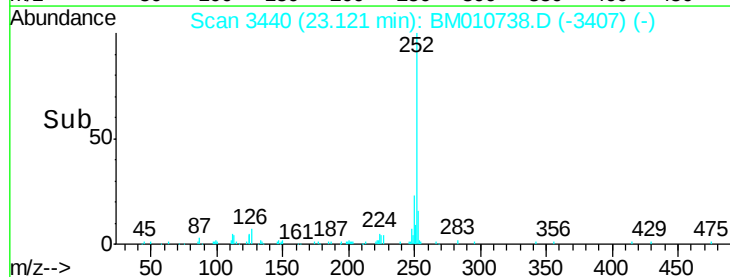
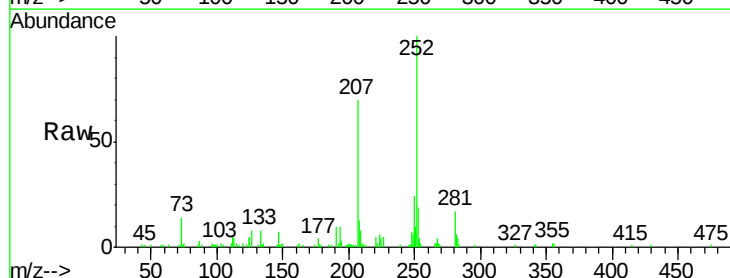
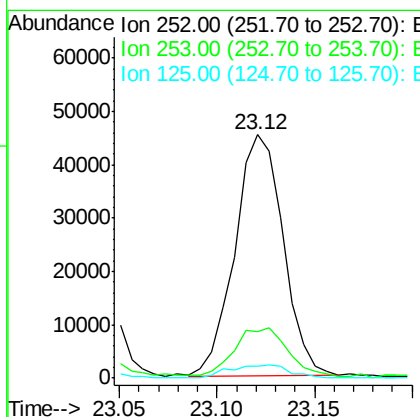
RT: 23.12 min Scan# 3440

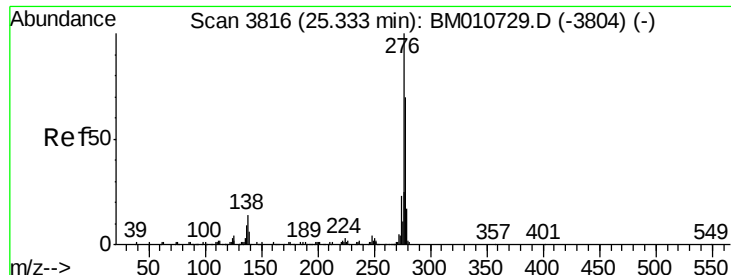
Delta R.T. -0.01 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.9	18.2	27.2
125	4.9	4.0	6.0





#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.16 ng/ul
 RT: 25.32 min Scan# 3814
 Delta R.T. -0.01 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

Instrument :
 BNA_M
 ClientSampleId :
 F5C50DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.3	9.3	13.9#
277	23.1	19.9	29.9

Manual Integrations
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