

Data File : BM010692.D
Acq On : 23 Jun 2017 16:25
Operator : SJ/JU
Sample : I3599-09ME 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5D77ME

Manual Integrations
APPROVED

mohammad
6/27/2017 5:02:39 PM

Quant Time: Jun 24 04:14:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 24 03:35:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	72556	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	318306	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	221000	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	541013	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	609646	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	449131	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	1600	1.26	ng/uL	0.01
5) Phenol-d5	6.65	99	27328	3.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	15376	3.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	20423	4.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	23004	4.01	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	11477	5.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	12827	4.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	26089	4.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	38080	6.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	89117	4.59	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	101051	4.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	12437	3.64	ng/ul	0.00
57) Fluorene-d10	15.12	176	77193	4.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	11935	3.59	ng/ul	0.00
70) Anthracene-d10	16.97	188	125395	4.80	ng/ul	0.00
76) Pyrene-d10	19.27	212	148010	5.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	102992	4.74	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.29	128	7005638	442.27	ng/ul	99
34) 2-Methylnaphthalene	11.90	142	1394017	109.48	ng/ul	95
40) 1,1'-Biphenyl	12.93	154	334456	19.36	ng/ul	99
47) Acenaphthylene	13.83	152	73591	3.42	ng/ul#	93
49) Acenaphthene	14.18	153	987004	68.08	ng/ul	99
53) Dibenzofuran	14.52	168	1156129	52.65	ng/ul	91
58) Fluorene	15.17	166	1134457	61.71	ng/ul	99
69) Phenanthrene	16.92	178	5209838	181.13	ng/ul	98
71) Anthracene	17.00	178	721014	24.33	ng/ul	99
72) Carbazole	17.27	167	313166	12.11	ng/ul	98
74) Fluoranthene	18.94	202	3152403	85.04	ng/ul#	97
77) Pyrene	19.31	202	2068979	58.76	ng/ul	98
80) Benzo(a)anthracene	21.07	228	627416	17.67	ng/ul	98
82) Chrysene	21.12	228	449546	14.20	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	284888	9.77	ng/ul	100
86) Benzo(k)fluoranthene	22.63	252	97743m	3.54	ng/ul	
88) Benzo(a)pyrene	23.13	252	158396	5.90	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.33	276	46491	1.67	ng/ul	97
91) Benzo(g,h,i)perylene	25.96	276	29809	1.35	ng/ul#	91

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

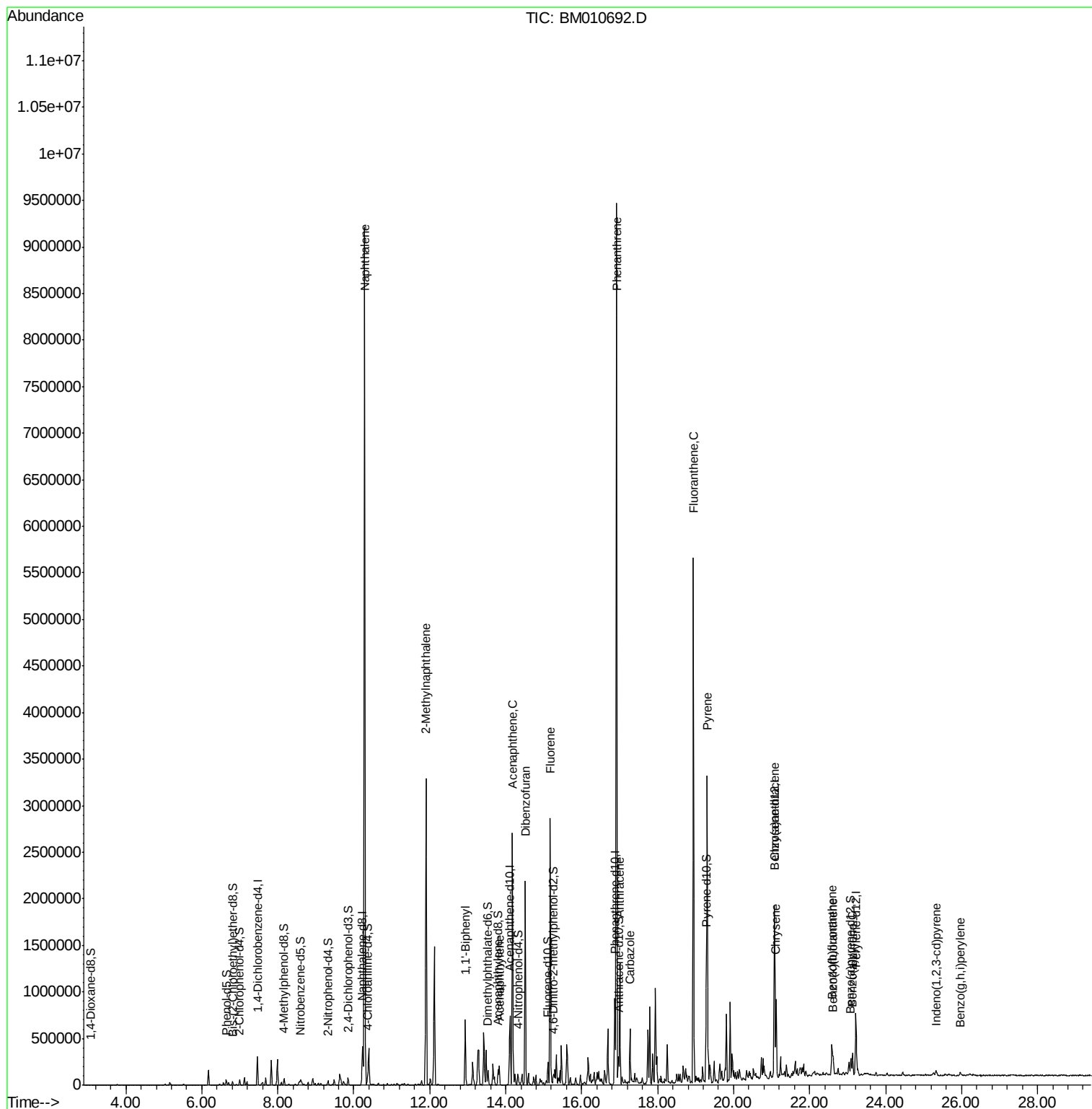
Data File : BM010692.D
Acq On : 23 Jun 2017 16:25
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Misc :
ALS Vial : 10 Sample Multiplier: 1

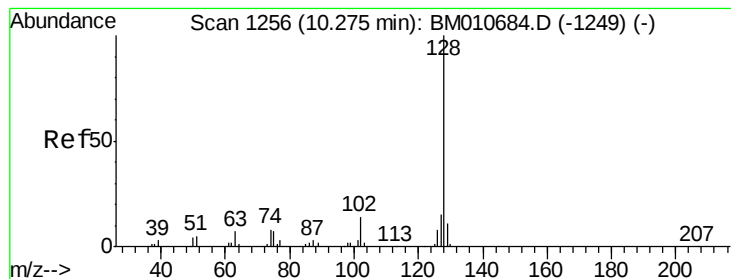
Instrument :
BNA_M
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F5D77ME

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Quant Time: Jun 24 04:14:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 24 03:35:21 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 442.27 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampled :

F5D77ME

Tgt Ion:128 Resp: 7005638

Ion Ratio Lower Upper

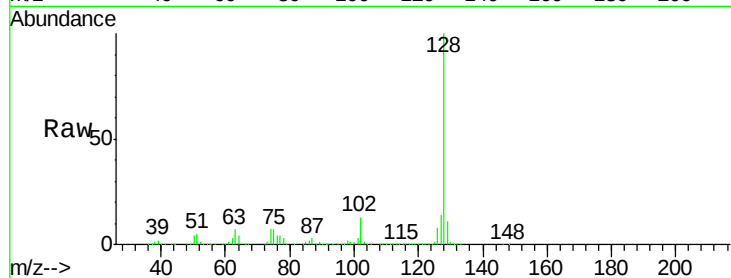
128 100

129 10.8 8.8 13.2

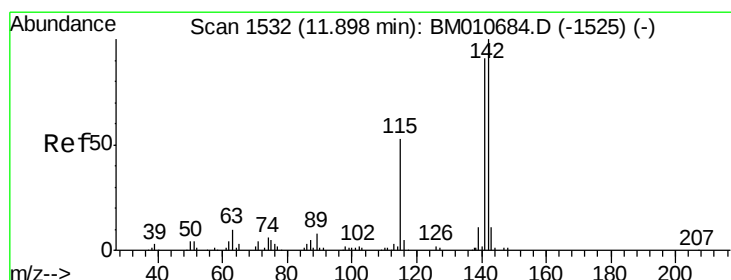
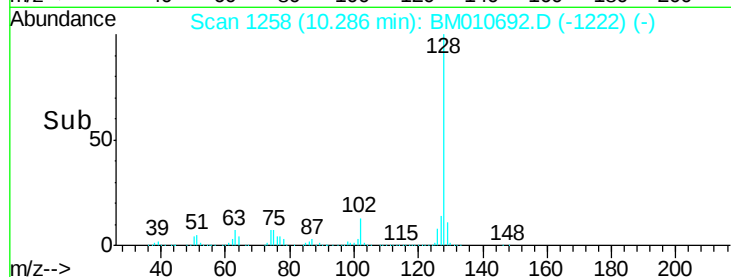
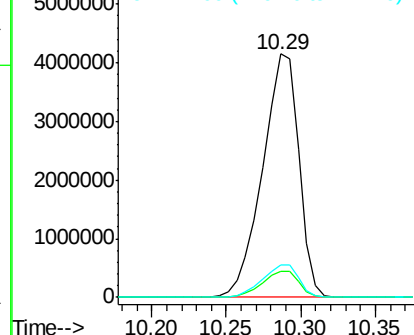
127 13.5 10.6 16.0

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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: 109.48 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BM010692.D

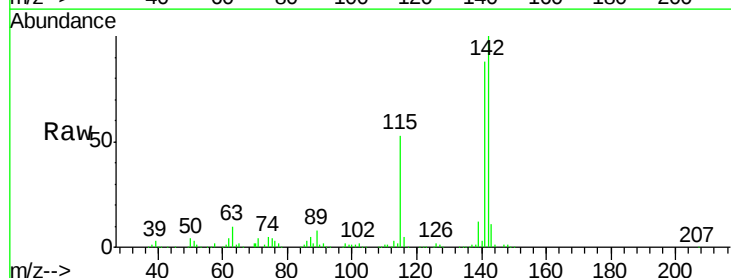
Acq: 23 Jun 2017 16:25

Tgt Ion:142 Resp: 1394017

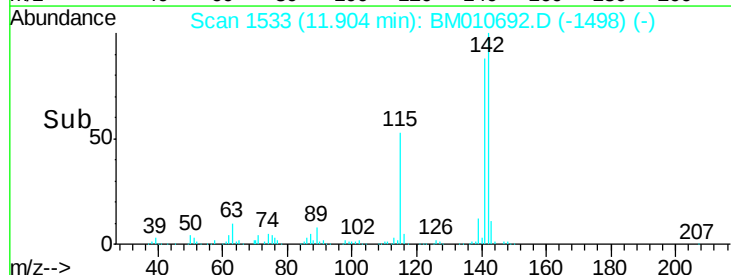
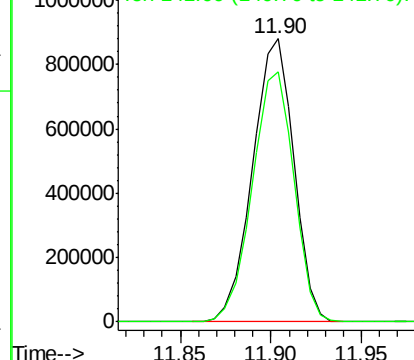
Ion Ratio Lower Upper

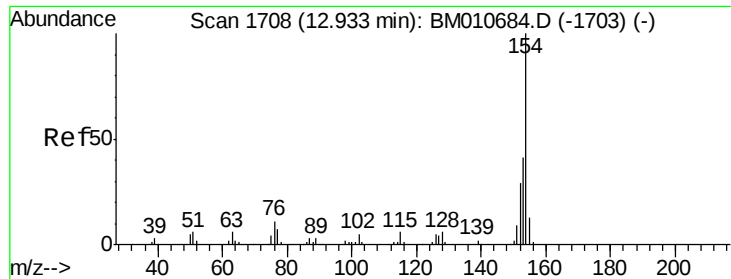
142 100

141 88.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





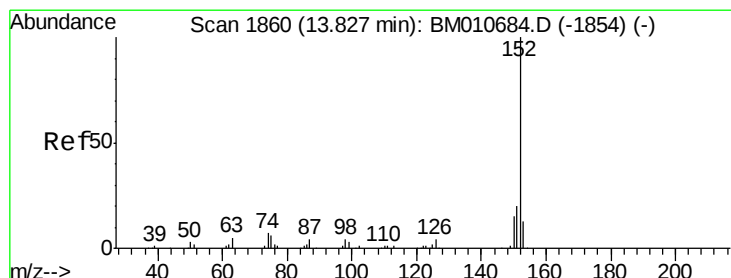
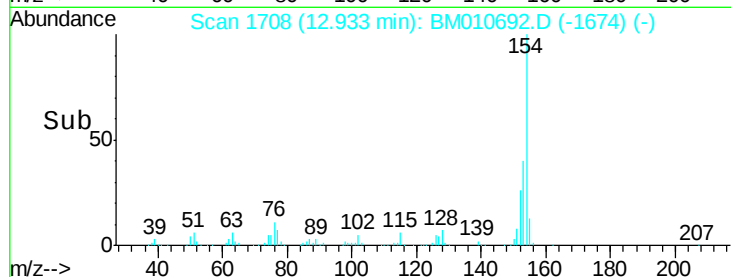
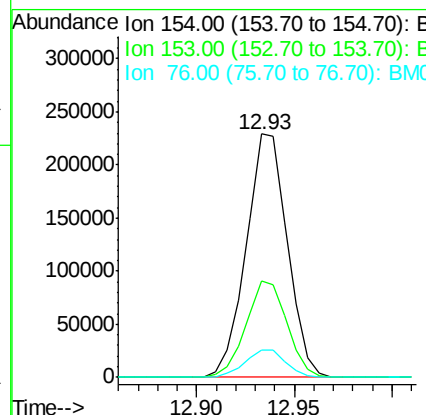
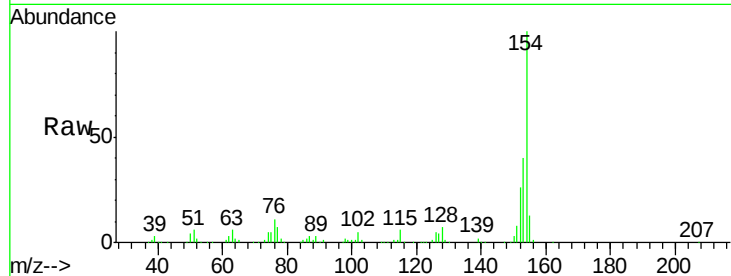
#40
 1,1'-Biphenyl
 Concen: 19.36 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BM010692.D
 Acq: 23 Jun 2017 16:25

Instrument :
 BNA_M
 ClientSampleId :
 F5D77ME

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.6	48.8
76	11.0	8.5	12.7

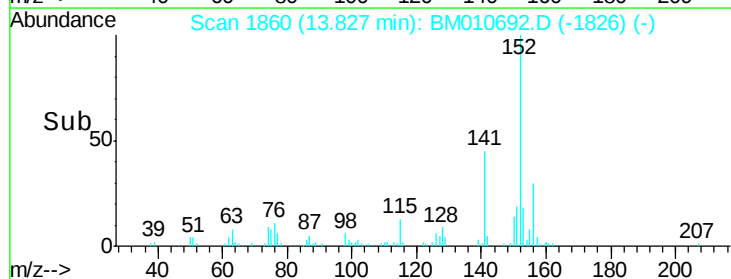
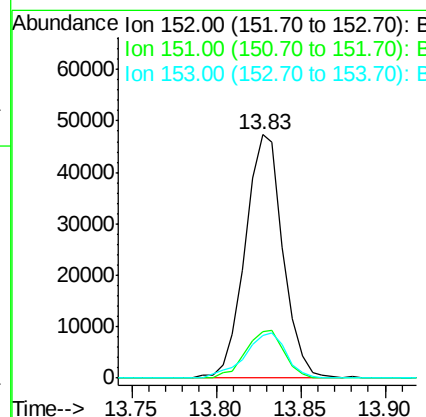
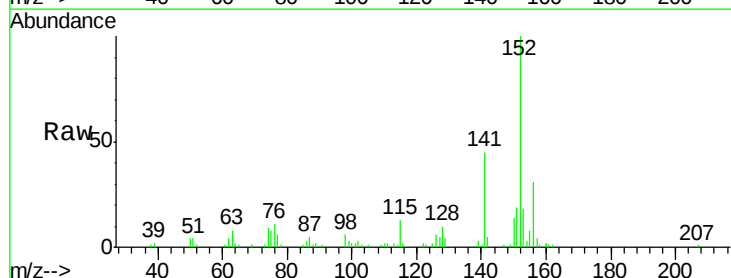
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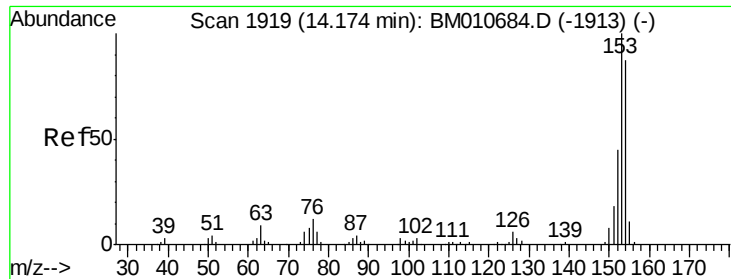
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#47
 Acenaphthylene
 Concen: 3.42 ng/ul
 RT: 13.83 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM010692.D
 Acq: 23 Jun 2017 16:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	17.6	10.2	15.4#





#49

Acenaphthene

Concen: 68.08 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

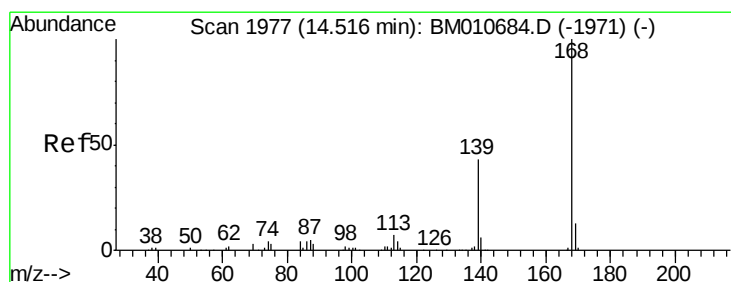
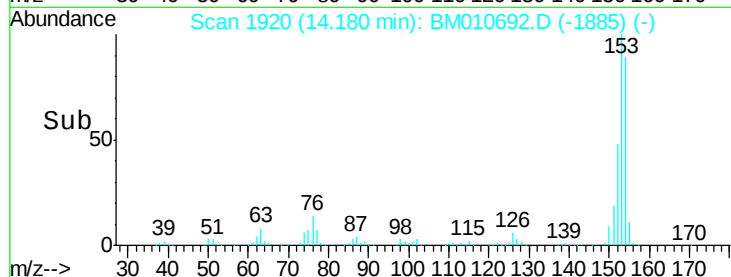
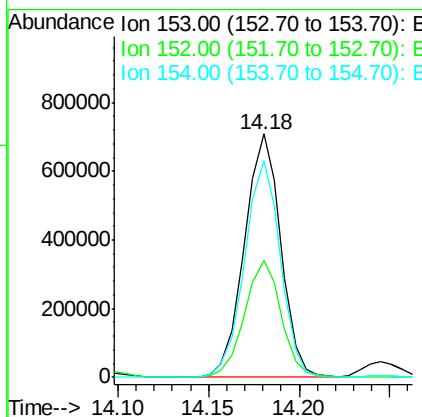
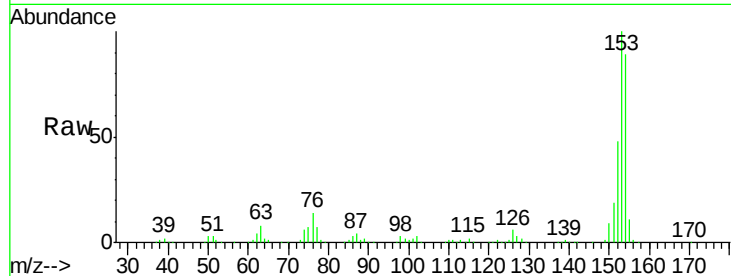
ClientSampleId :

F5D77ME

Tgt Ion:	153	Resp:	987004
Ion Ratio	Lower	Upper	
153	100		
152	48.2	37.6	56.4
154	88.9	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 52.65 ng/ul

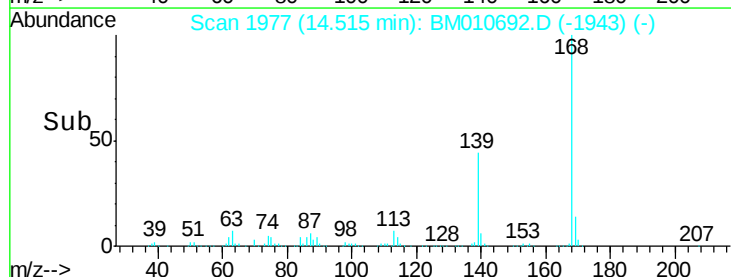
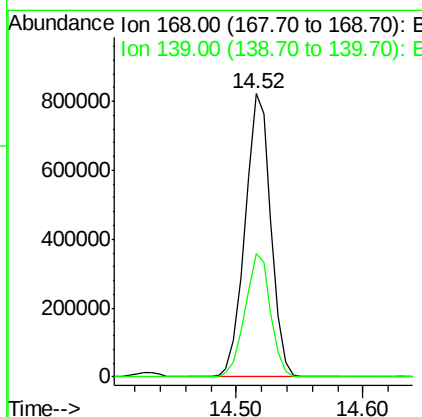
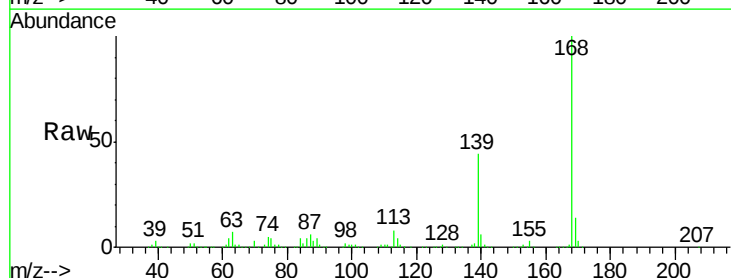
RT: 14.52 min Scan# 1977

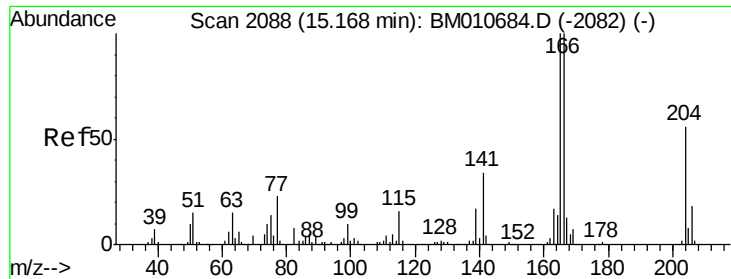
Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Tgt Ion:	168	Resp:	1156129
Ion Ratio	Lower	Upper	
168	100		
139	43.7	30.8	46.2





#58

Fluorene

Concen: 61.71 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampled :

F5D77ME

Tgt Ion:166 Resp: 1134457

Ion Ratio Lower Upper

166 100

165 98.9 77.9 116.9

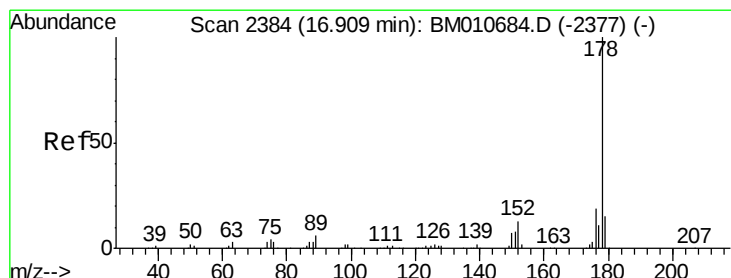
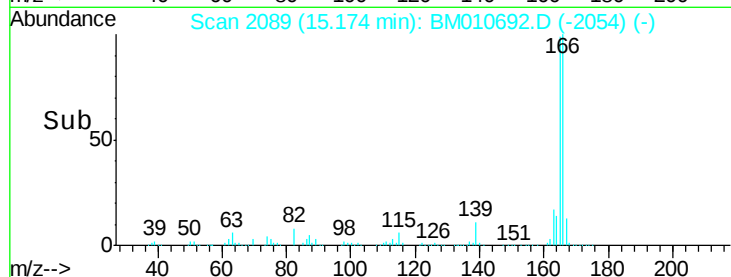
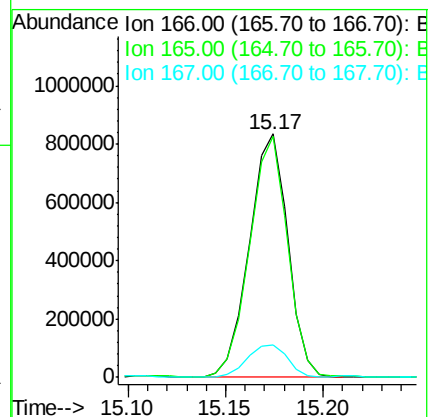
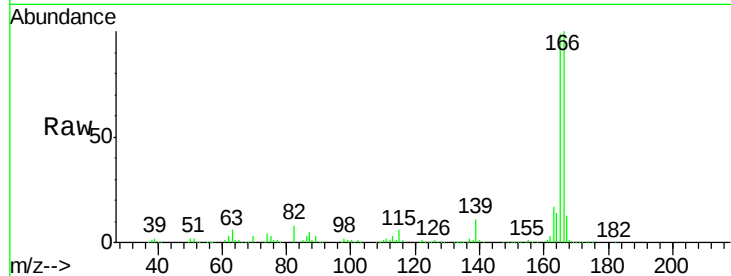
167 13.5 10.6 16.0

Manual Integrations

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#69

Phenanthrene

Concen: 181.13 ng/ul

RT: 16.92 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

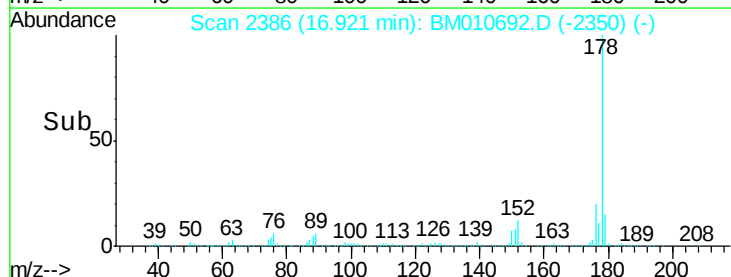
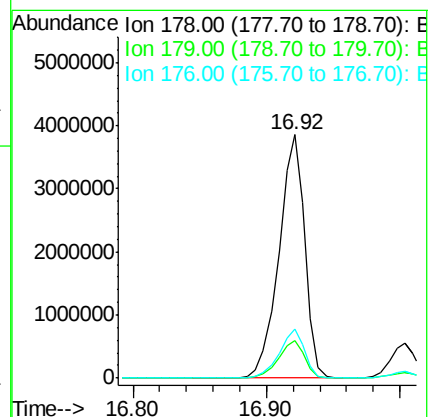
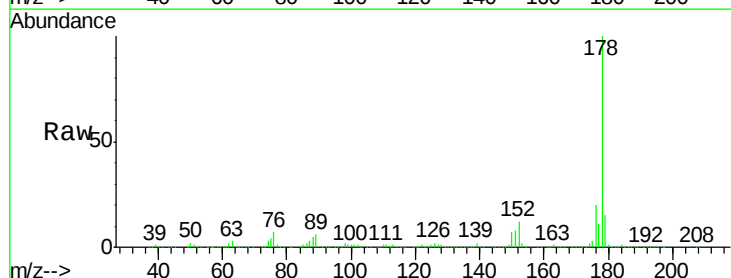
Tgt Ion:178 Resp: 5209838

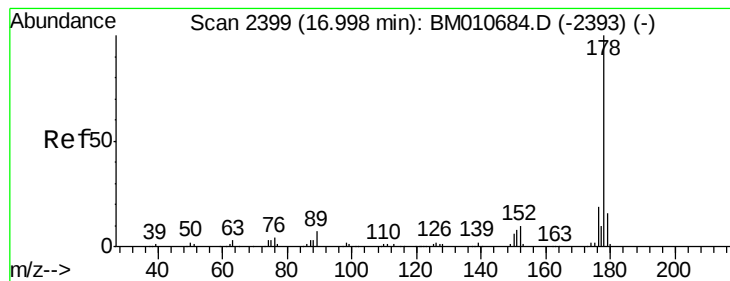
Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

176 20.1 14.9 22.3





#71

Anthracene

Concen: 24.33 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

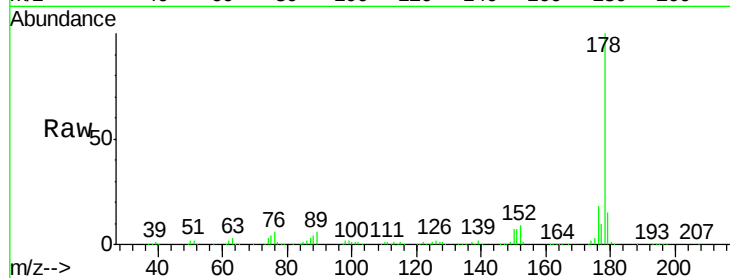
ClientSampleId :

F5D77ME

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.4	14.6	21.8

Manual Integrations
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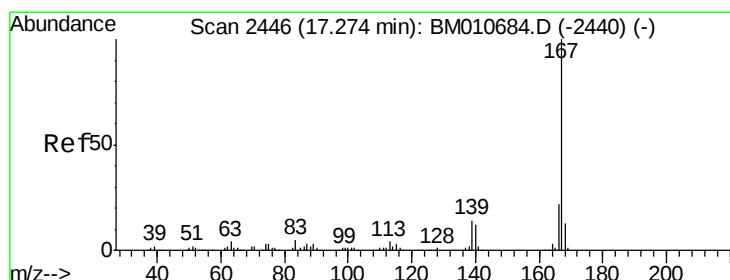
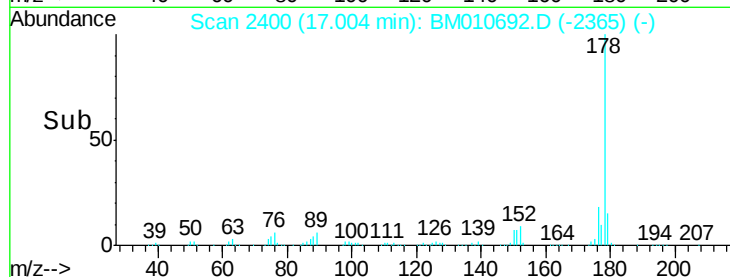
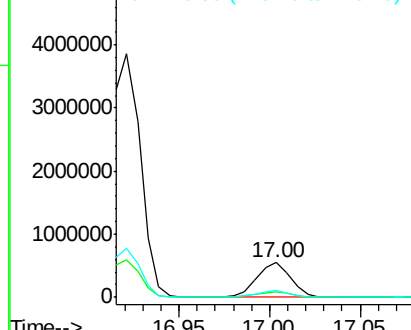


Abundance

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



#72

Carbazole

Concen: 12.11 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

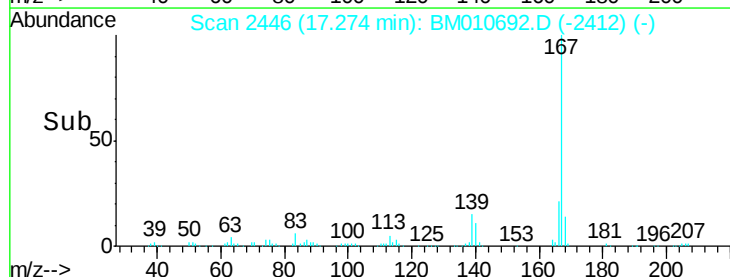
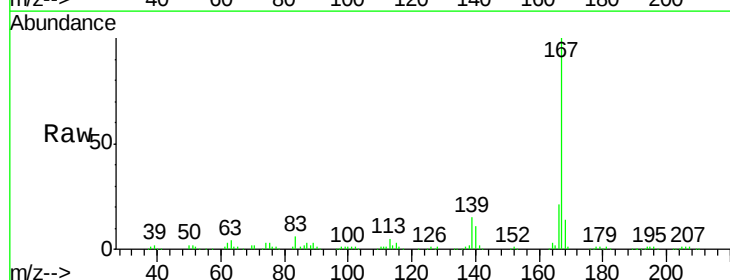
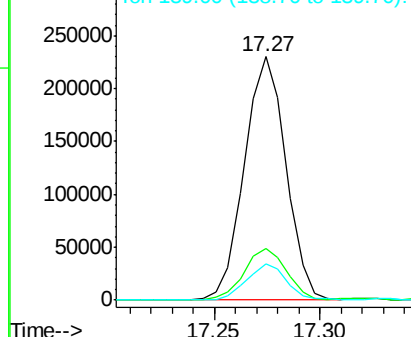
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	14.9	10.0	15.0

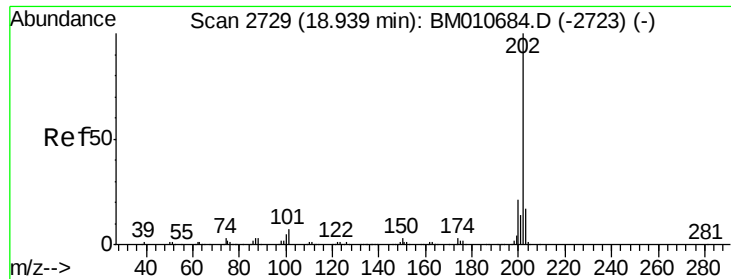
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 85.04 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampleId :

F5D77ME

Tgt Ion:202 Resp: 3152403

Ion Ratio Lower Upper

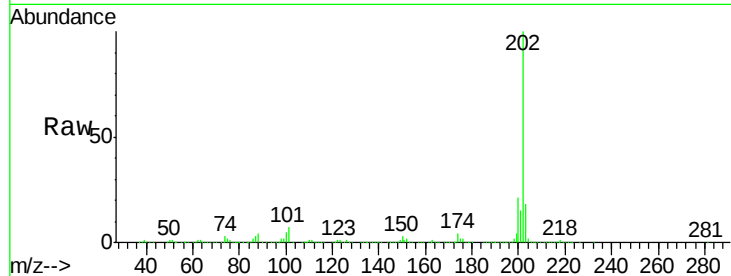
202 100

101 7.1 4.6 7.0#

100 5.2 3.4 5.2#

Manual Integrations
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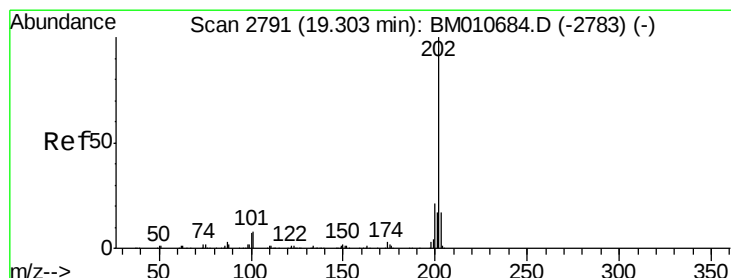
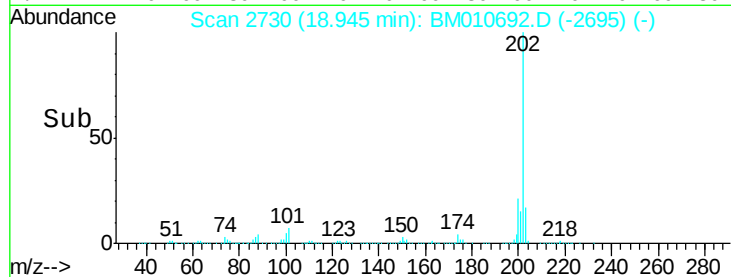
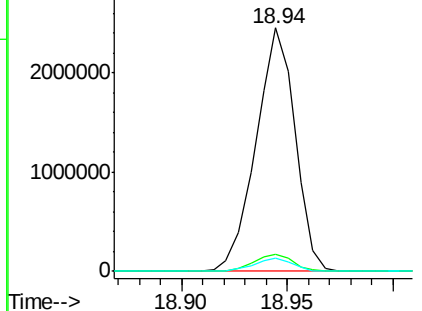
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 58.76 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Tgt Ion:202 Resp: 2068979

Ion Ratio Lower Upper

202 100

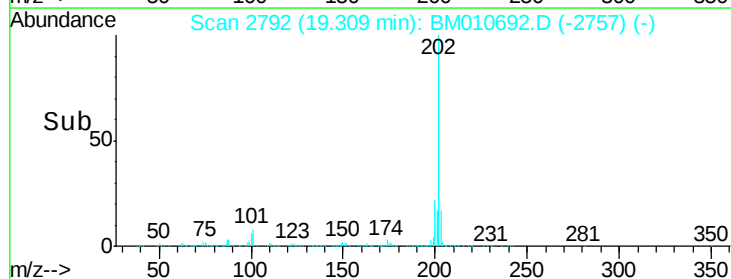
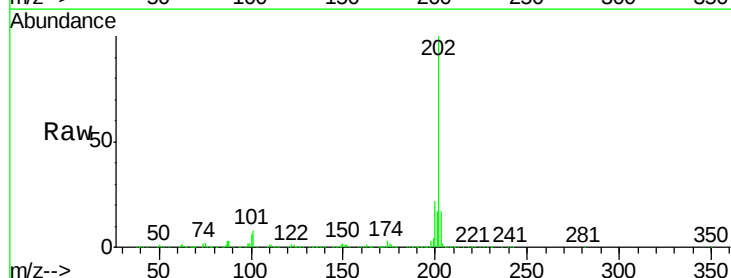
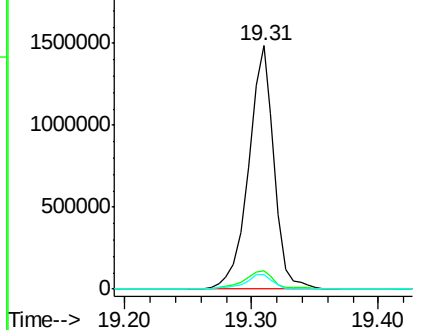
101 7.5 5.1 7.7

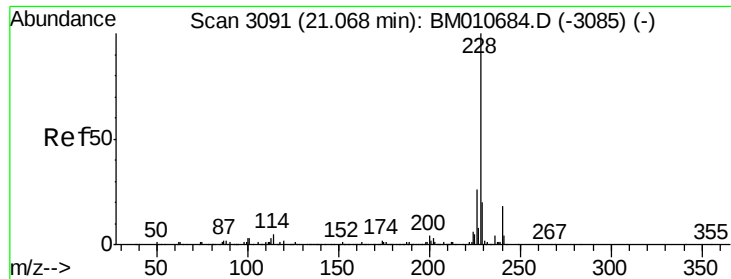
100 6.2 4.9 7.3

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





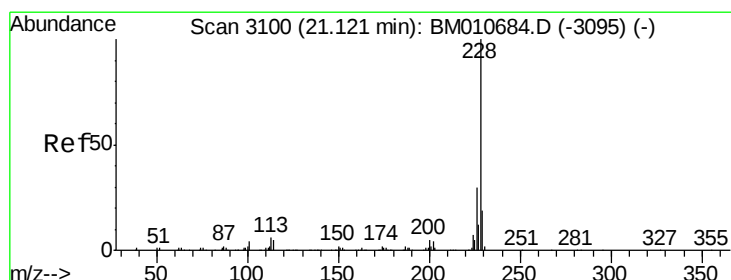
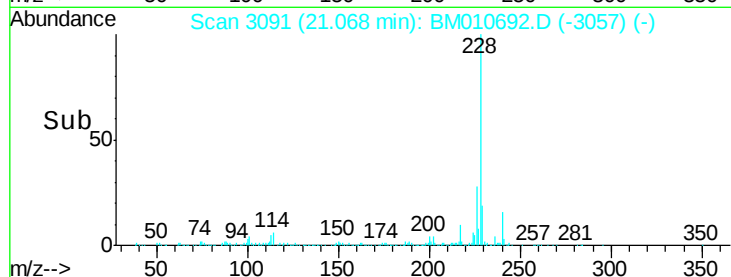
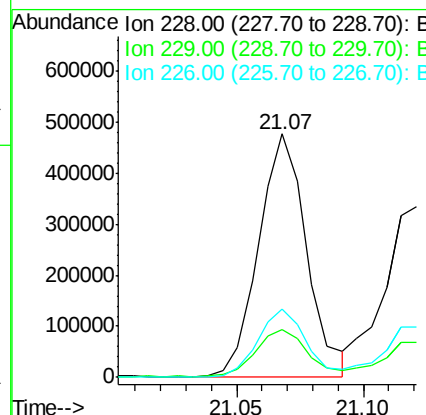
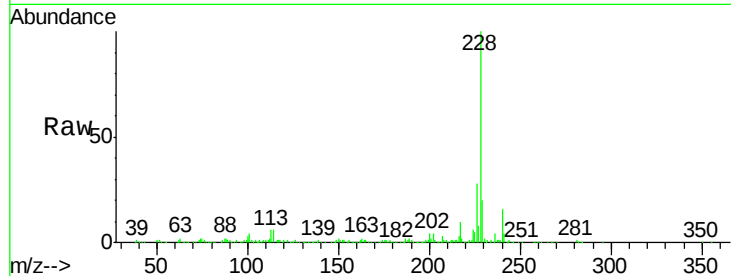
#80
Benzo(a)anthracene
Concen: 17.67 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Instrument :
BNA_M
ClientSampleId :
F5D77ME

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.4	23.0
226	27.8	21.4	32.0

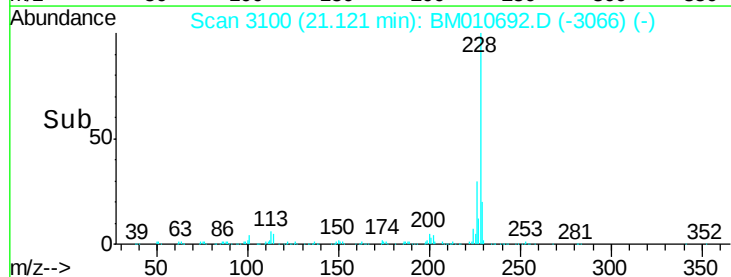
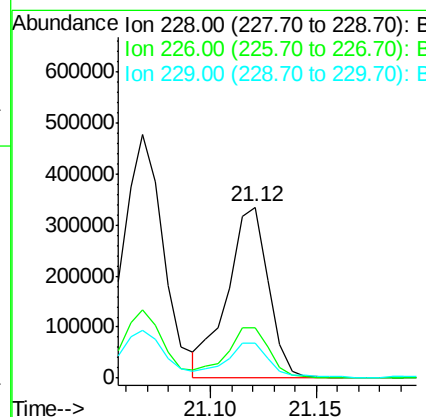
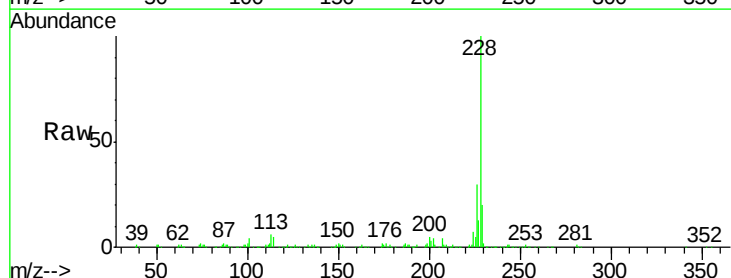
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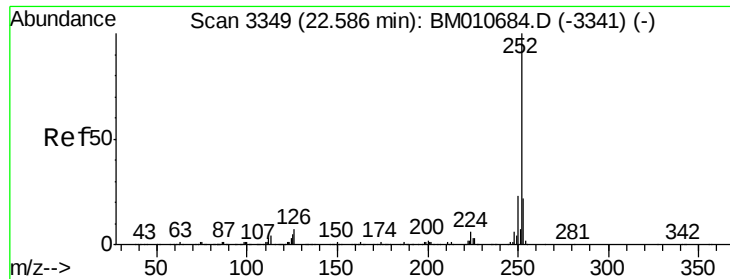
mohammad
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#82
Chrysene
Concen: 14.20 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	20.2	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 9.77 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

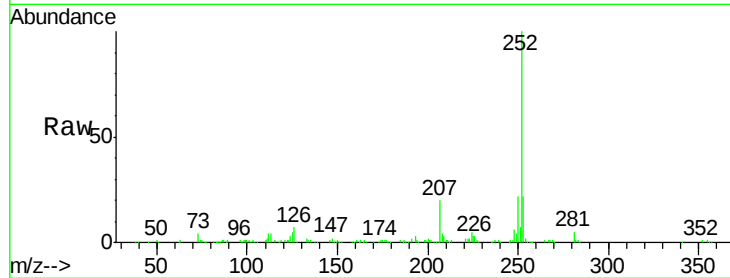
ClientSampleId :

F5D77ME

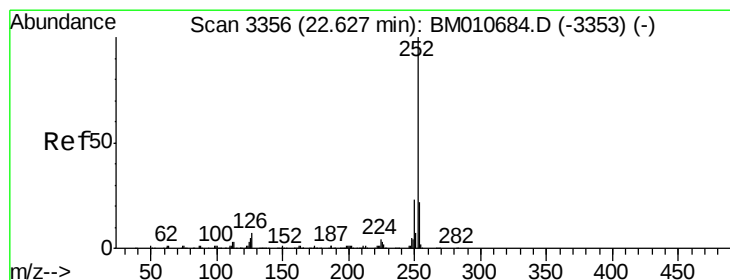
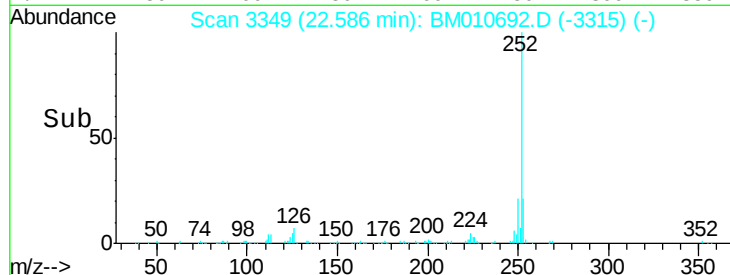
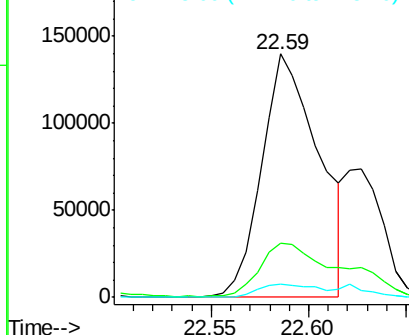
Tgt Ion:	252	Resp:	284888
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	5.2	3.6	5.4

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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



#86

Benzo(k)fluoranthene

Concen: 3.54 ng/ul m

RT: 22.63 min Scan# 3356

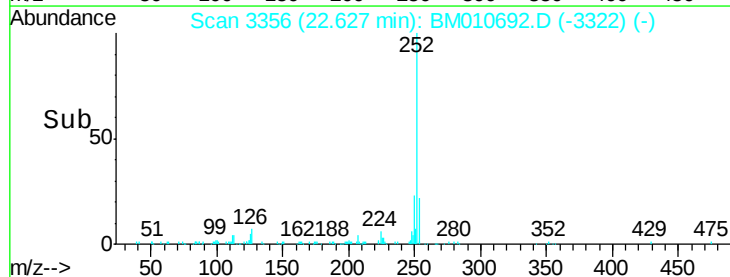
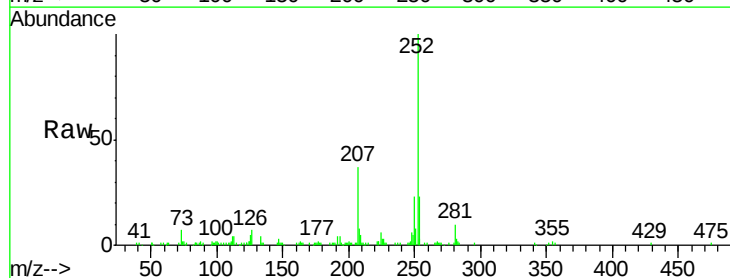
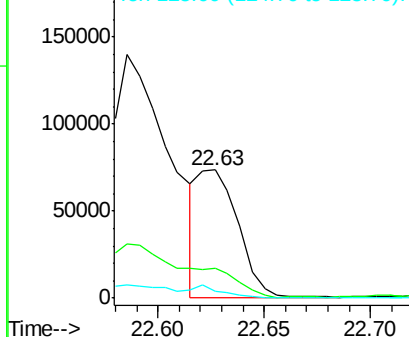
Delta R.T. -0.00 min

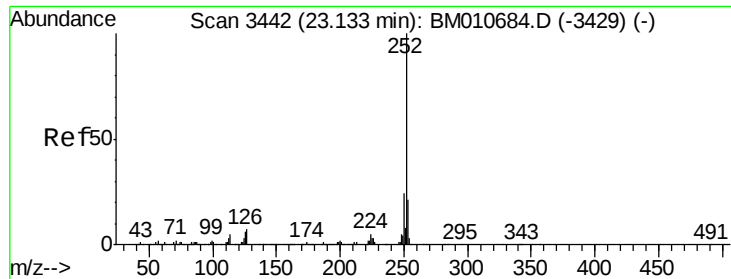
Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Tgt Ion:	252	Resp:	97743
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	5.4	3.4	5.2#

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





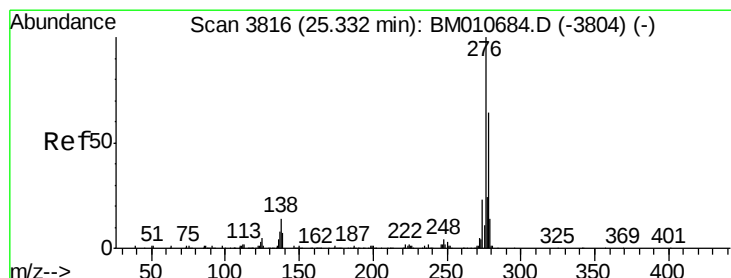
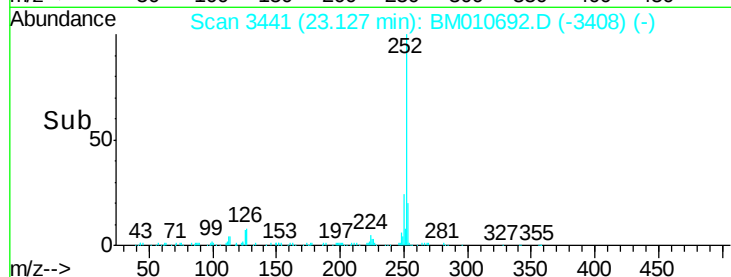
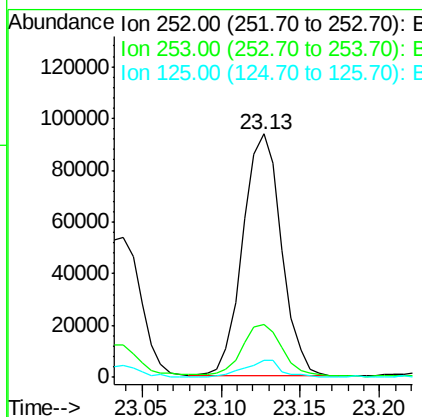
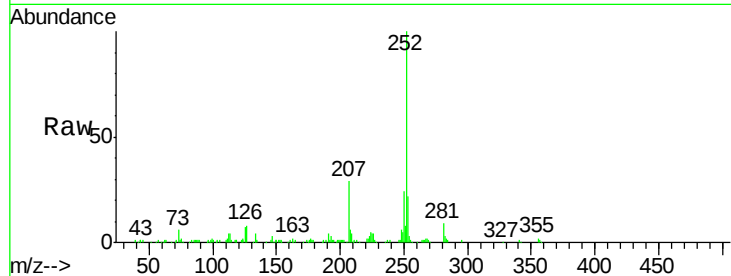
#88
Benzo(a)pyrene
Concen: 5.90 ng/ul
RT: 23.13 min Scan# 3441
Delta R.T. -0.01 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Instrument :
BNA_M
ClientSampleId :
F5D77ME

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	158396		
253	21.8	18.2	27.2	
125	7.1	4.0	6.0	

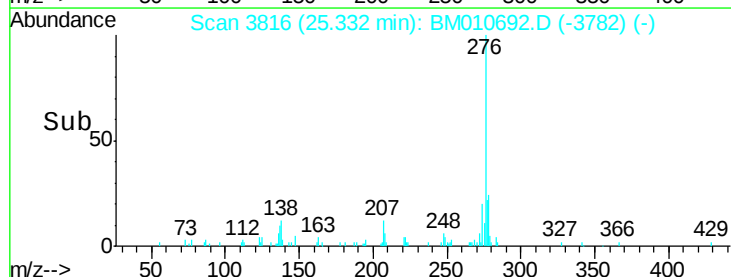
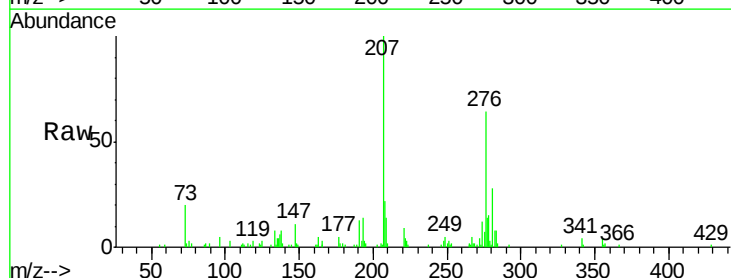
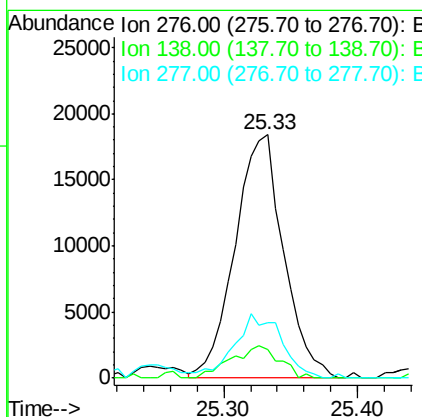
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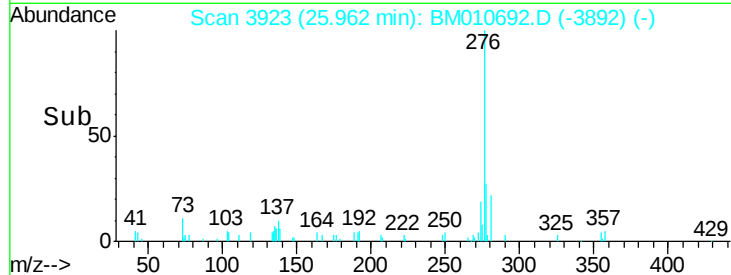
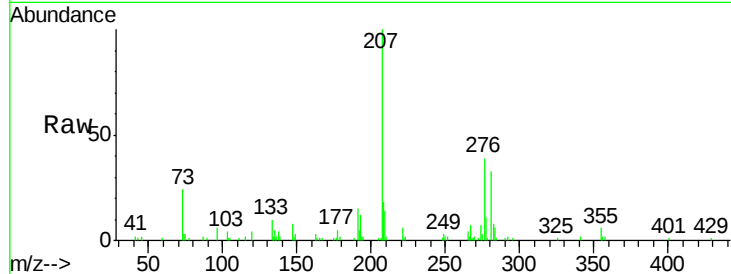
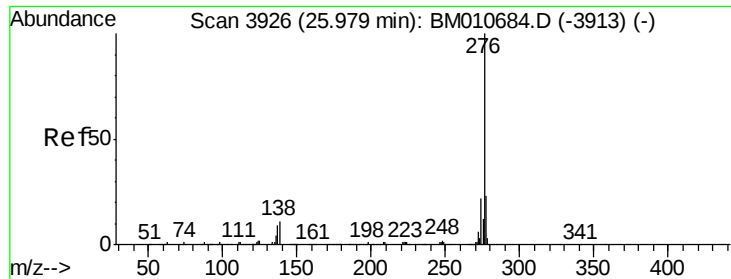
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#89
Indeno(1,2,3-cd)pyrene
Concen: 1.67 ng/ul
RT: 25.33 min Scan# 3816
Delta R.T. -0.00 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	46491		
138	11.9	9.3	13.9	
277	22.6	19.9	29.9	





#91
 Benzo(g,h,i)perylene
 Concen: 1.35 ng/ul
 RT: 25.96 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BM010692.D
 Acq: 23 Jun 2017 16:25

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	6.4	8.5	12.7#
277	27.4	18.6	28.0

Instrument :
 BNA_M
 ClientSampleId :
 F5D77ME

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