

Data File : BM010707.D
Acq On : 24 Jun 2017 01:26
Operator : SJ/JU
Sample : I3625-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleID :
F5C83

Manual Integrations
APPROVED

mohammad
6/27/2017 5:03:27 PM

Quant Time: Jun 24 05:53:27 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 24 04:37:39 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	166755	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	734188	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.12	164	501770	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.88	188	1114177	20.00	ng/ul	0.01
75) Chrysene-d12	21.10	240	1219042	20.00	ng/ul	0.02
83) Perylene-d12	23.23	264	846846	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	5398	1.85	ng/uL	0.00
5) Phenol-d5	6.65	99	147366	9.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	84771	9.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	115675	10.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	134205	10.19	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	64716	12.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	78183	12.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	143805	11.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	173411	12.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	518731	11.78	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	600373	11.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	80556	10.39	ng/ul	0.00
57) Fluorene-d10	15.12	176	443556	11.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.27	200	72718	10.63	ng/ul	0.02
70) Anthracene-d10	16.99	188	692623	12.87	ng/ul	0.02
76) Pyrene-d10	19.29	212	856273	15.12	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.10	264	557420	13.62	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	6.68	94	772215	47.20	ng/ul	94
11) 2-Methylphenol	7.90	108	341133	27.35	ng/ul	95
16) 4-Methylphenol	8.25	108	1177909	85.85	ng/ul	100
24) 2,4-Dimethylphenol	9.42	107	296693	18.22	ng/ul	99
28) Naphthalene	10.30	128	27330435m	748.03	ng/ul	
34) 2-Methylnaphthalene	11.92	142	7868689	267.92	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	1585186	40.41	ng/ul	100
44) Dimethylphthalate	13.59	163	154032	3.57	ng/ul	99
47) Acenaphthylene	13.83	152	145791	2.99	ng/ul#	77
49) Acenaphthene	14.19	153	4672289	141.93	ng/ul	99
53) Dibenzofuran	14.53	168	6336980	127.11	ng/ul	91
58) Fluorene	15.19	166	5091659	121.99	ng/ul	99
69) Phenanthrene	16.93	178	25284320m	426.86	ng/ul	
71) Anthracene	17.02	178	3556314	58.28	ng/ul	99
72) Carbazole	17.28	167	347268	6.52	ng/ul	95
74) Fluoranthene	18.96	202	20115977m	263.51	ng/ul	
77) Pyrene	19.33	202	15500225	220.14	ng/ul#	88
80) Benzo(a)anthracene	21.08	228	4993839	70.35	ng/ul	97
82) Chrysene	21.13	228	3681835	58.17	ng/ul	98
85) Benzo(b)fluoranthene	22.60	252	1881111	34.22	ng/ul#	99
86) Benzo(k)fluoranthene	22.63	252	814245m	15.62	ng/ul	
88) Benzo(a)pyrene	23.14	252	1143694	22.60	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.34	276	337856	6.44	ng/ul	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Quantitation Report (LSC Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.33	278	98123	2.24	ng/ul#	98
91) Benzo(g,h,i)perylene	25.98	276	213308	5.11	ng/ul	97

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

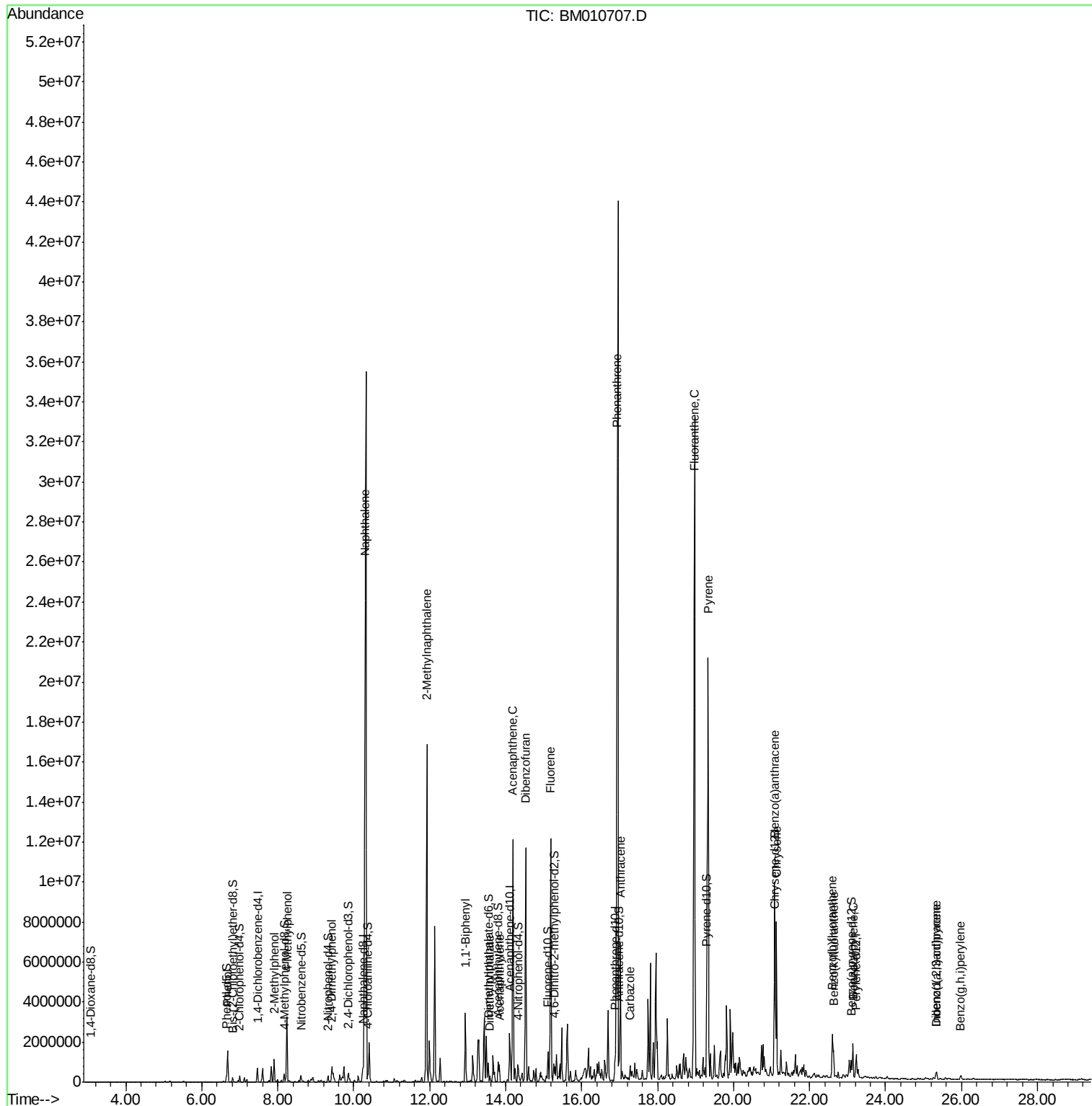
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ALS Vial : 24 Sample Multiplier: 1

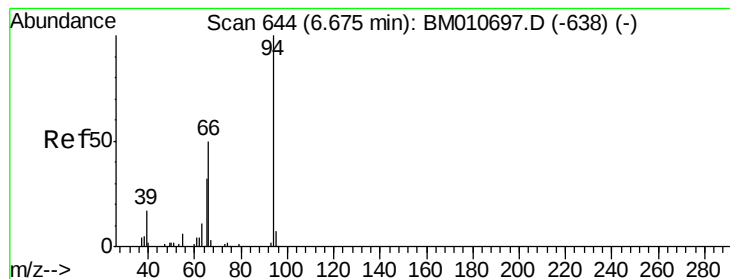
Instrument :
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 47.20 ng/ul

RT: 6.68 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Instrument :

BNA_M

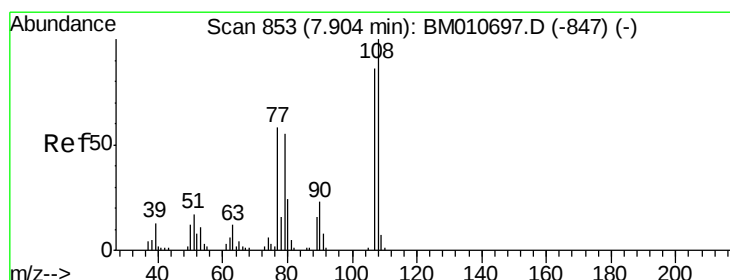
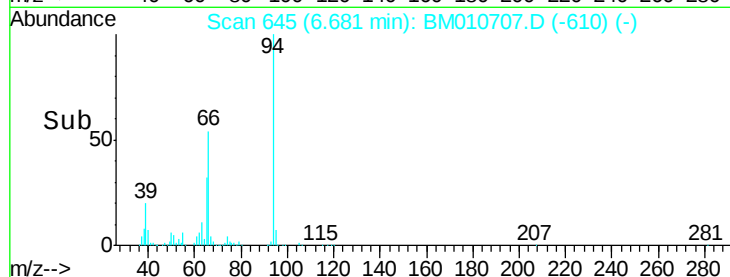
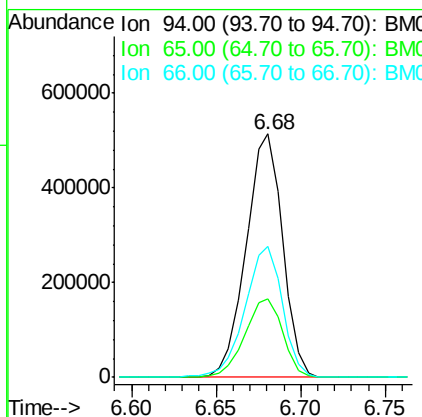
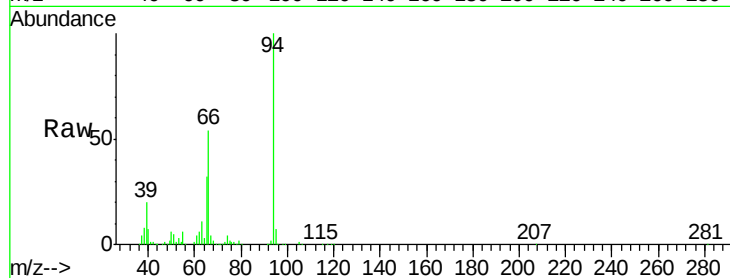
ClientSampleId :

F5C83

Tgt Ion:	94	Resp:	772215
Ion	Ratio	Lower	Upper
94	100		
65	32.1	28.2	42.4
66	53.9	47.2	70.8

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#11

2-Methylphenol

Concen: 27.35 ng/ul

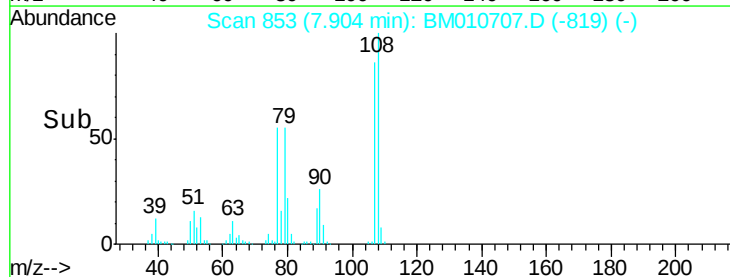
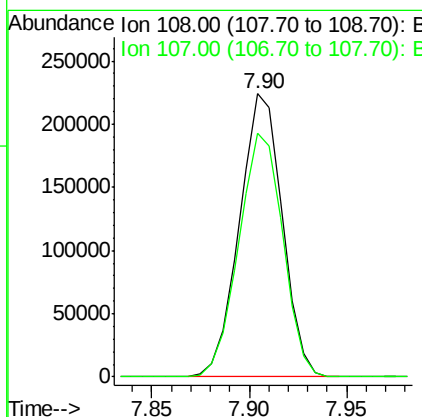
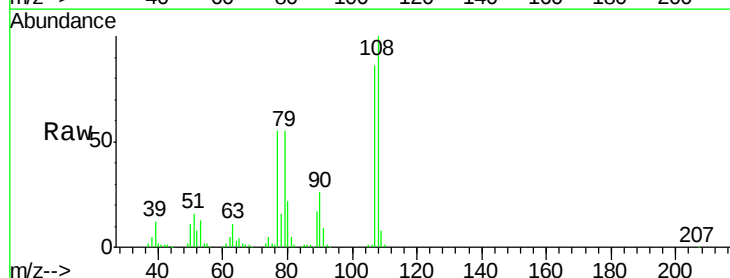
RT: 7.90 min Scan# 853

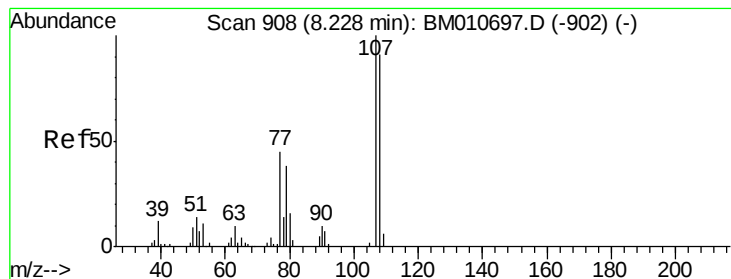
Delta R.T. 0.00 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Tgt Ion:	108	Resp:	341133
Ion	Ratio	Lower	Upper
108	100		
107	86.1	72.6	108.8





#16

4-Methylphenol

Concen: 85.85 ng/ul

RT: 8.25 min Scan# 911

Delta R.T. 0.02 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Instrument :

BNA_M

ClientSampleId :

F5C83

Tgt Ion:108 Resp: 1177909

Ion Ratio Lower Upper

108 100

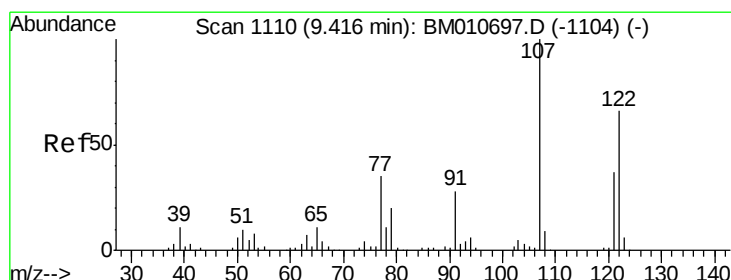
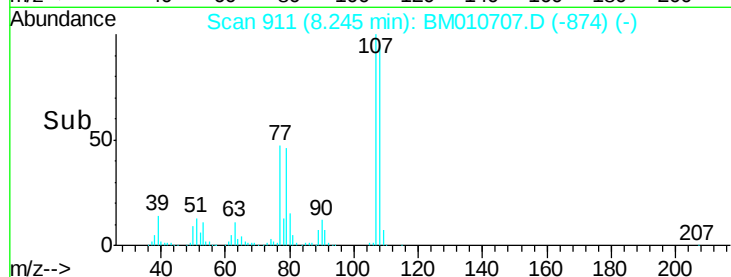
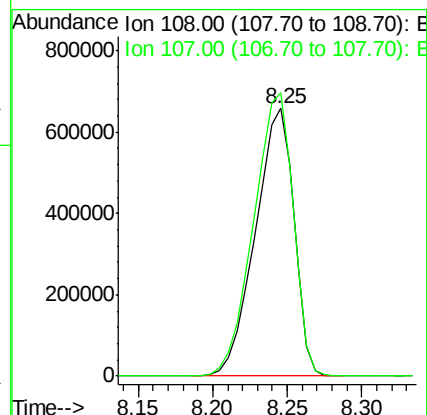
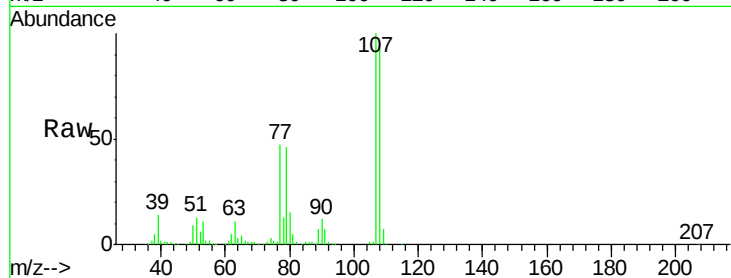
107 105.8 84.9 127.3

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#24

2,4-Dimethylphenol

Concen: 18.22 ng/ul

RT: 9.42 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

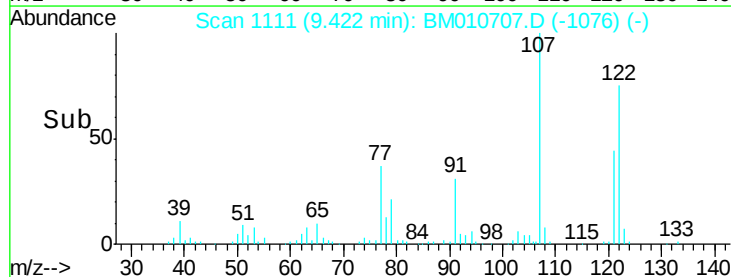
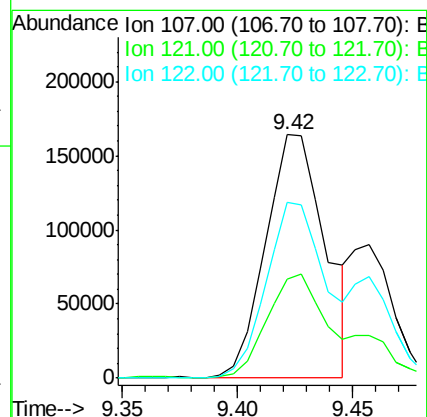
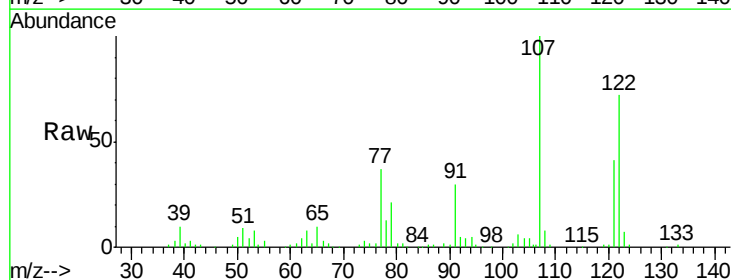
Tgt Ion:107 Resp: 296693

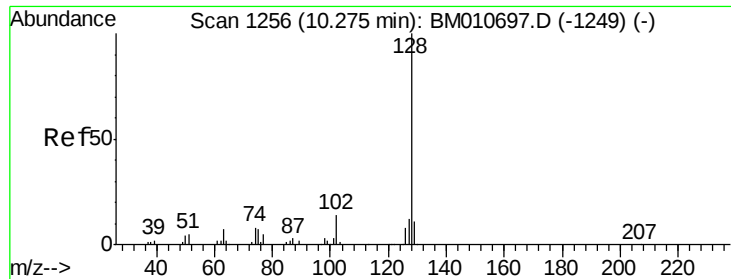
Ion Ratio Lower Upper

107 100

121 40.8 31.9 47.9

122 72.3 57.8 86.6





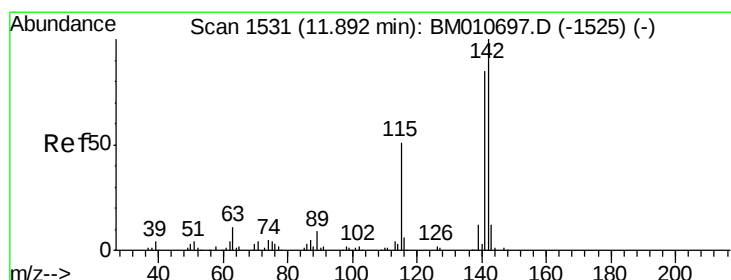
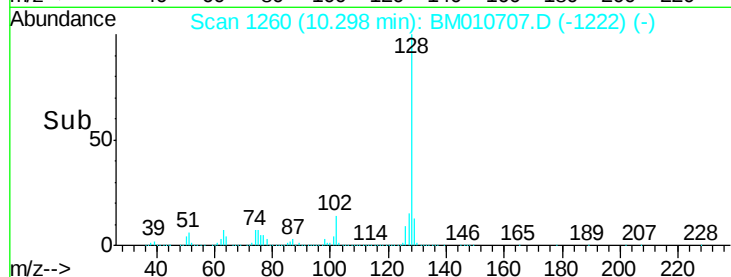
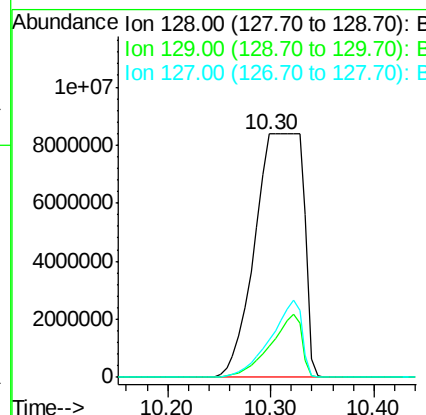
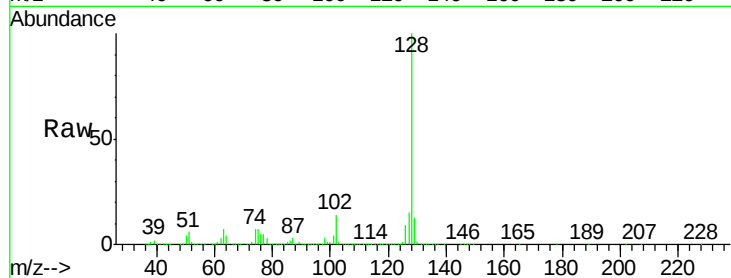
#28
Naphthalene
Concen: 748.03 ng/ul m
RT: 10.30 min Scan# 1260
Delta R.T. 0.02 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Instrument :
BNA_M
ClientSampled :
F5C83

Tgt Ion:128 Resp:27330435
Ion Ratio Lower Upper
128 100
129 12.8 8.8 13.2
127 15.3 10.6 16.0

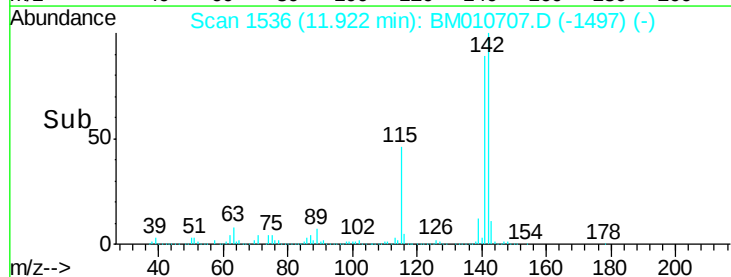
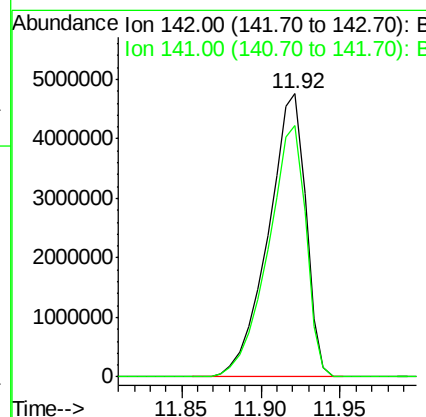
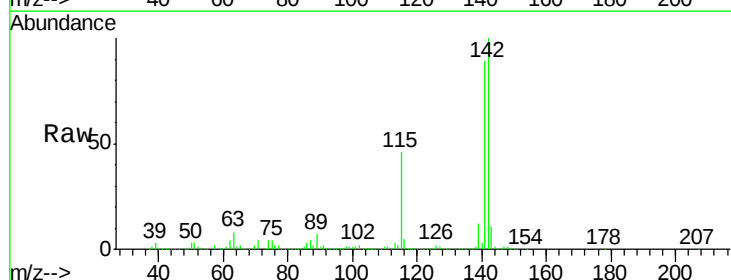
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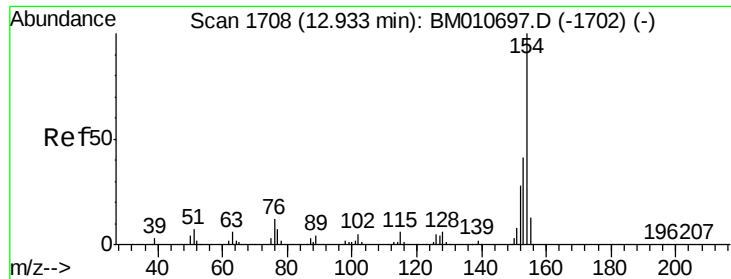
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#34
2-Methylnaphthalene
Concen: 267.92 ng/ul
RT: 11.92 min Scan# 1536
Delta R.T. 0.03 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Tgt Ion:142 Resp: 7868689
Ion Ratio Lower Upper
142 100
141 88.9 74.1 111.1





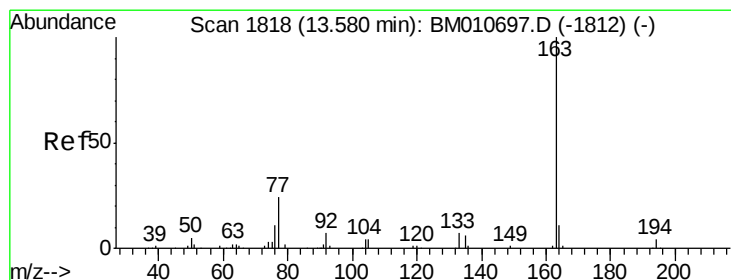
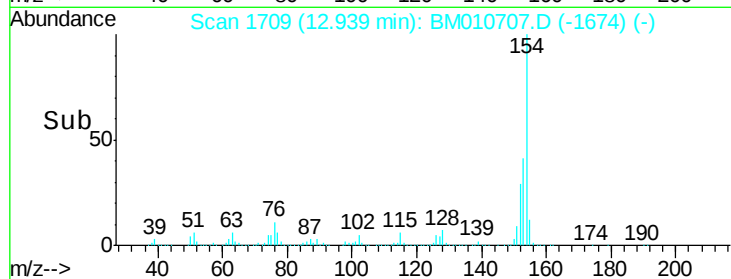
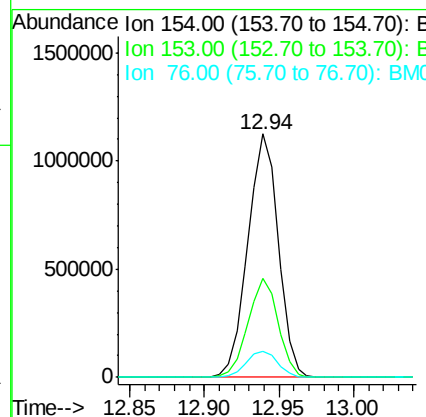
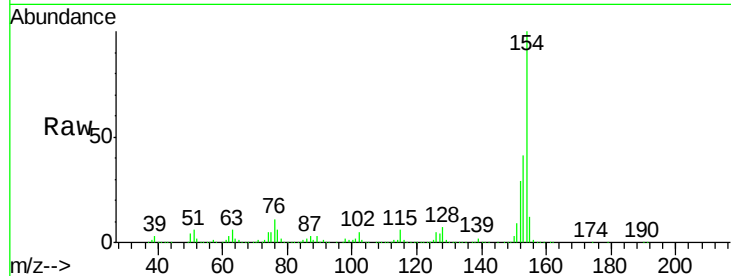
#40
 1,1'-Biphenyl
 Concen: 40.41 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BM010707.D
 Acq: 24 Jun 2017 01:26

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.6	48.8
76	10.9	8.5	12.7

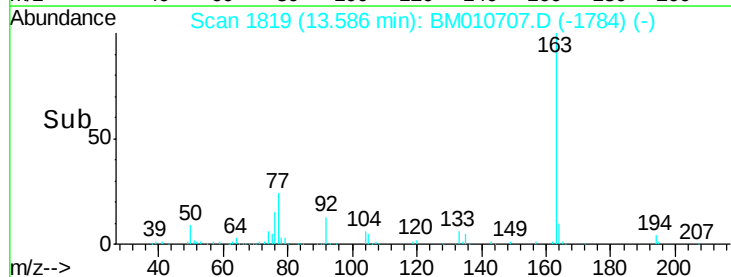
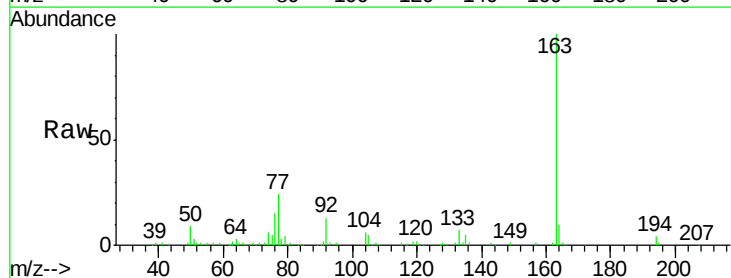
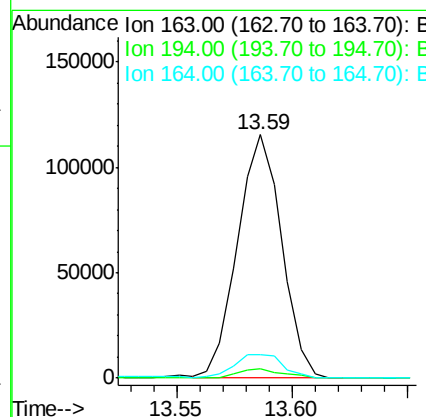
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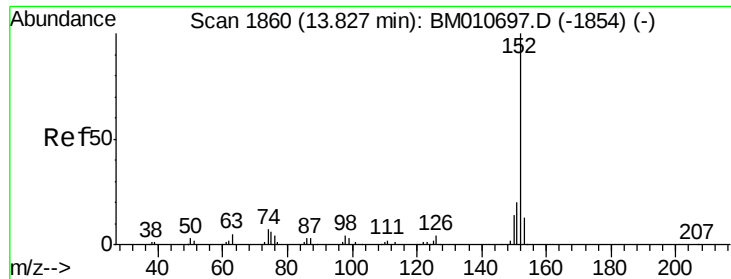
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#44
 Dimethylphthalate
 Concen: 3.57 ng/ul
 RT: 13.59 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: BM010707.D
 Acq: 24 Jun 2017 01:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	9.9	8.2	12.4





#47

Acenaphthylene

Concen: 2.99 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Instrument :

BNA_M

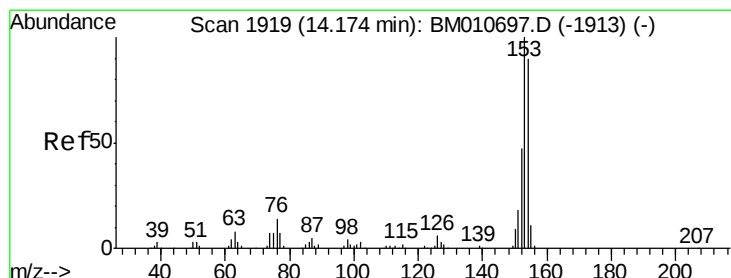
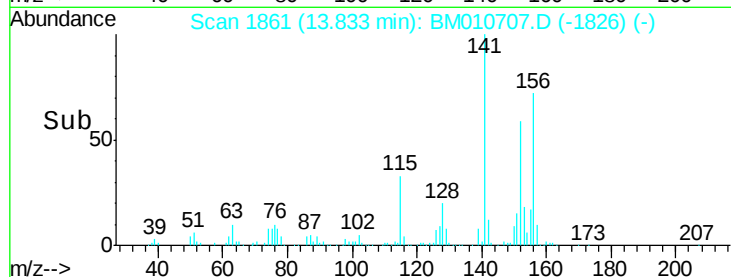
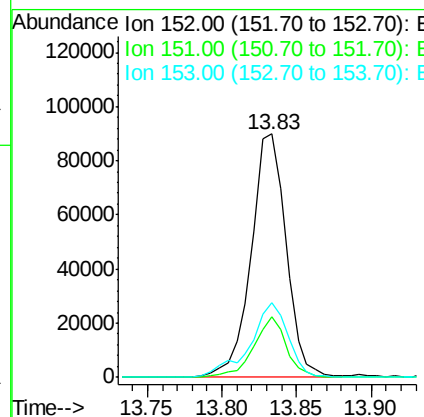
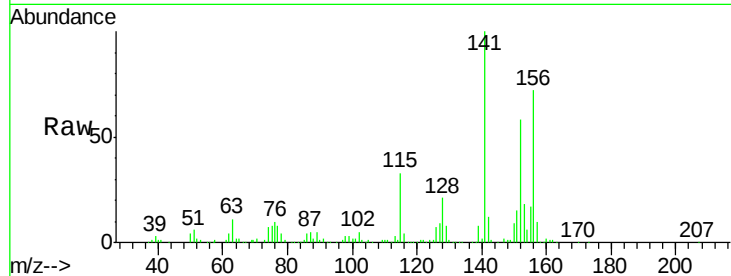
ClientSampleId :

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Tgt Ion:	152	Resp:	145791
Ion Ratio	Lower	Upper	
152	100		
151	24.9	16.3	24.5#
153	30.6	10.2	15.4#

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#49

Acenaphthene

Concen: 141.93 ng/ul

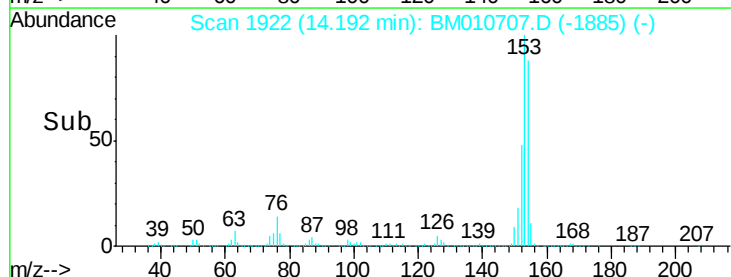
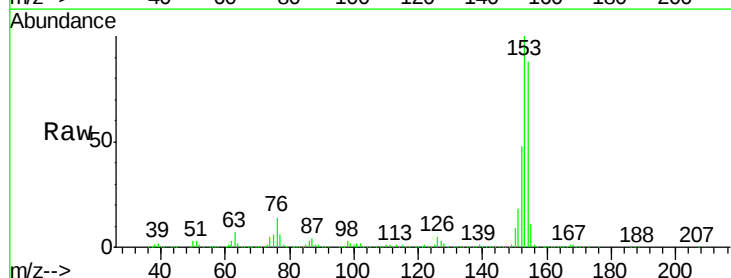
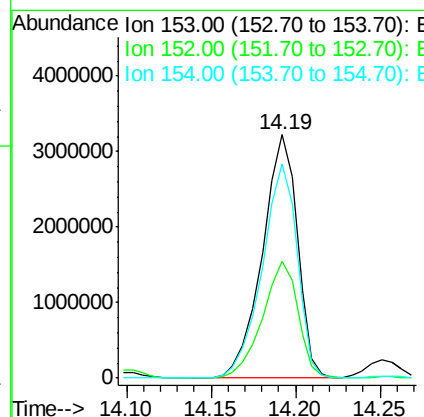
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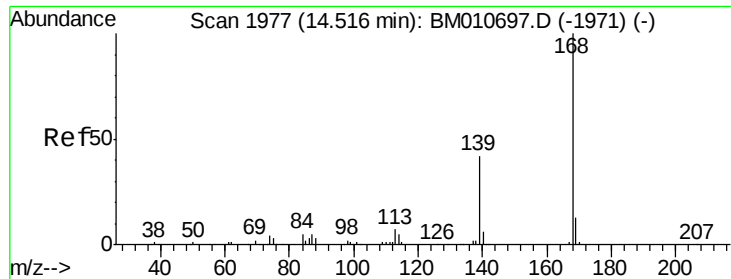
Delta R.T. 0.02 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Tgt Ion:	153	Resp:	4672289
Ion Ratio	Lower	Upper	
153	100		
152	48.0	37.6	56.4
154	88.1	70.4	105.6





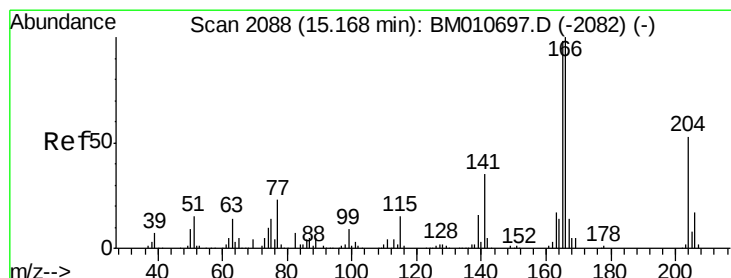
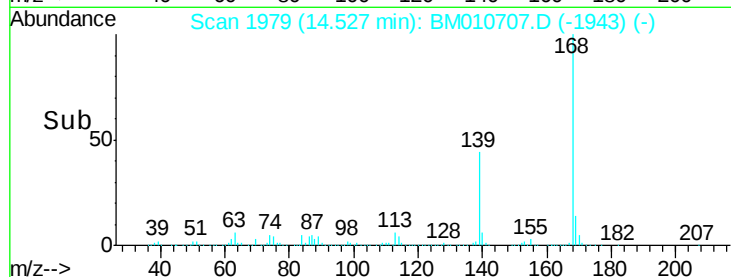
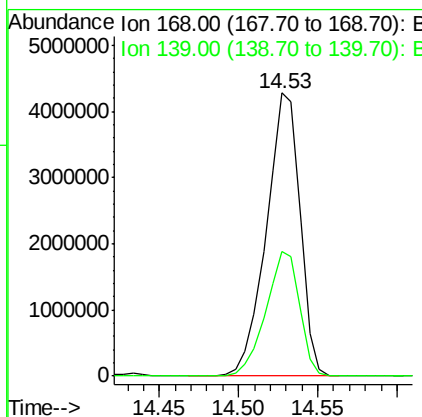
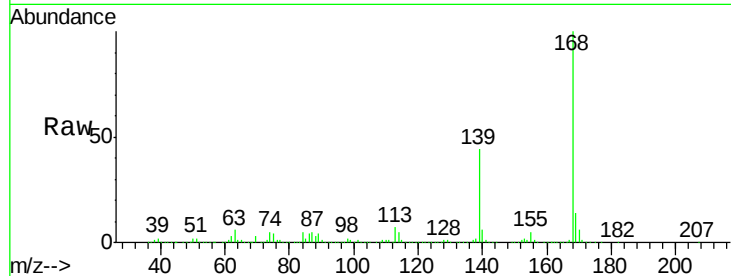
#53
Dibenzenofuran
Concen: 127.11 ng/ul
RT: 14.53 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Instrument :
BNA_M
ClientSampled :
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Tgt Ion:168 Resp: 6336980
Ion Ratio Lower Upper
168 100
139 44.1 30.8 46.2

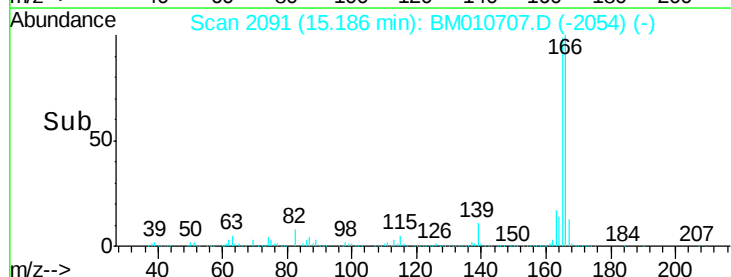
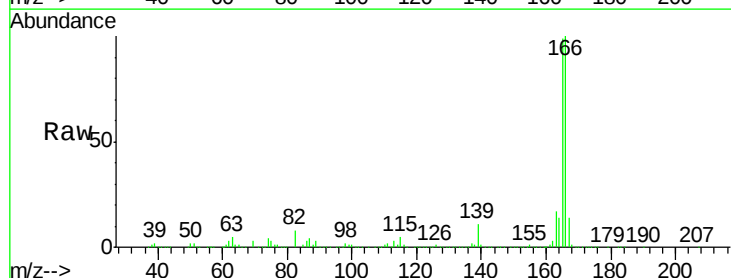
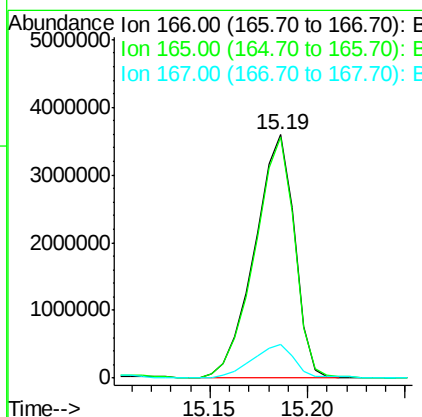
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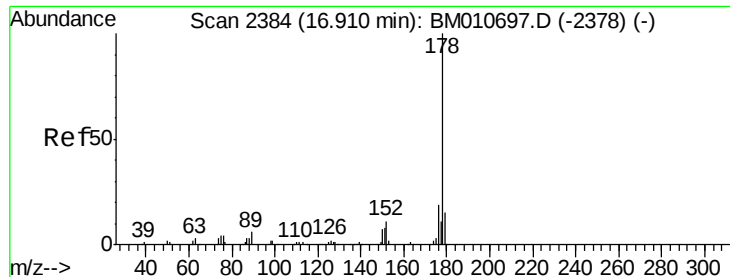
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#58
Fluorene
Concen: 121.99 ng/ul
RT: 15.19 min Scan# 2091
Delta R.T. 0.02 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Tgt Ion:166 Resp: 5091659
Ion Ratio Lower Upper
166 100
165 98.9 77.9 116.9
167 13.7 10.6 16.0





#69

Phenanthrene

Concen: 426.86 ng/ul m

RT: 16.93 min Scan# 2388

Delta R.T. 0.02 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Instrument :

BNA_M

ClientSampleId :

F5C83

Tgt Ion:178 Resp:25284320

Ion Ratio Lower Upper

178 100

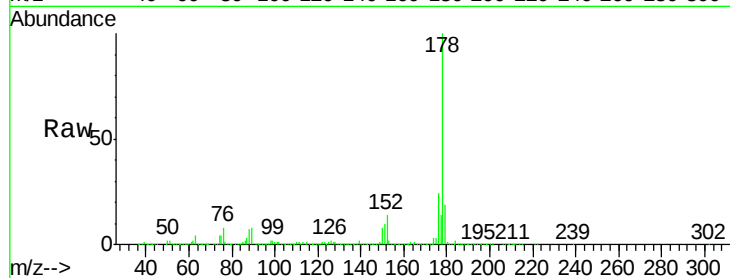
179 19.1 12.6 19.0#

176 23.6 14.9 22.3#

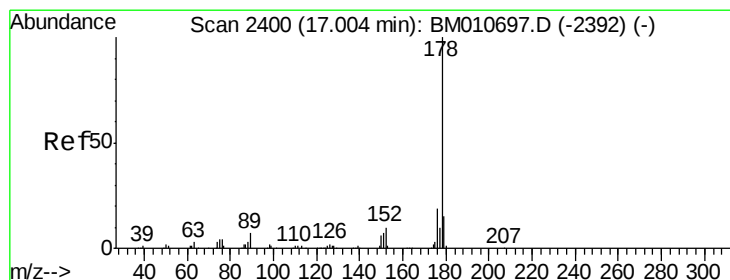
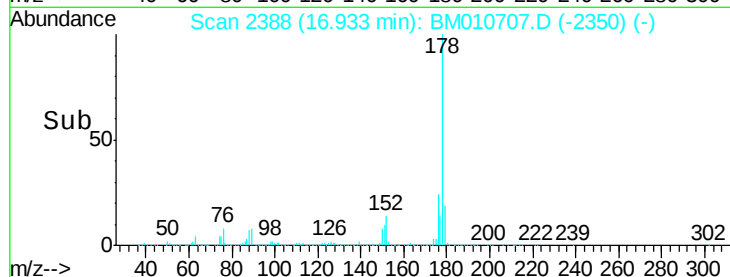
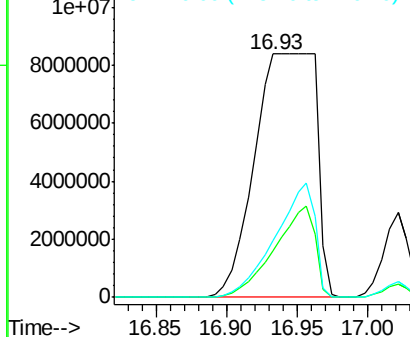
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 58.28 ng/ul

RT: 17.02 min Scan# 2403

Delta R.T. 0.02 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Tgt Ion:178 Resp: 3556314

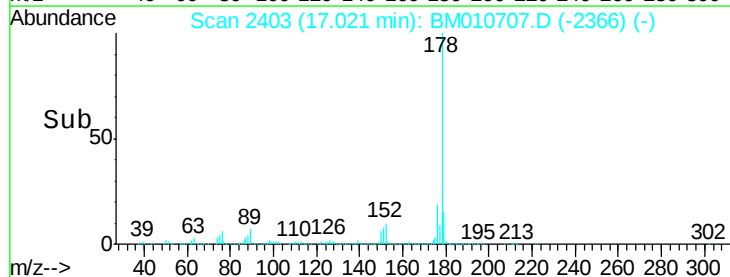
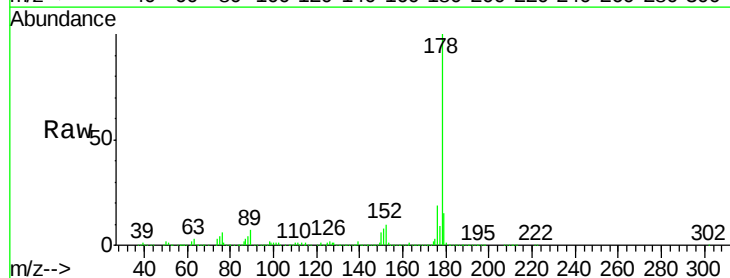
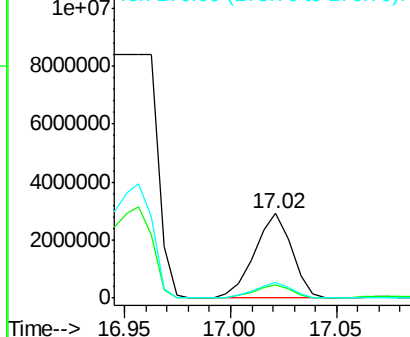
Ion Ratio Lower Upper

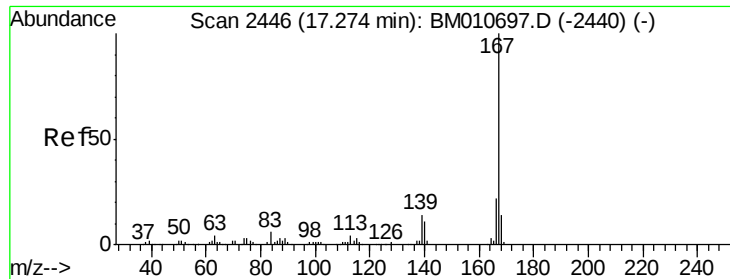
178 100

179 15.1 11.7 17.5

176 18.6 14.6 21.8

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





#72

Carbazole

Concen: 6.52 ng/ul

RT: 17.28 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Instrument :

BNA_M

ClientSampleId :

F5C83

Tgt Ion:167 Resp: 347268

Ion Ratio Lower Upper

167 100

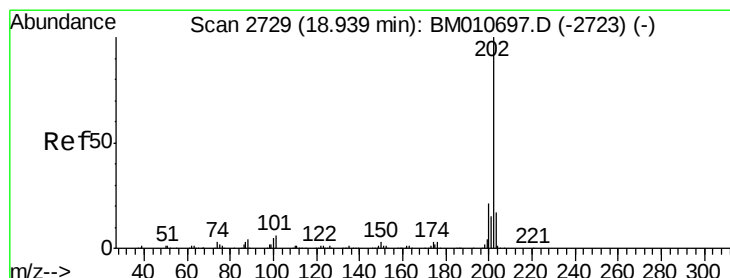
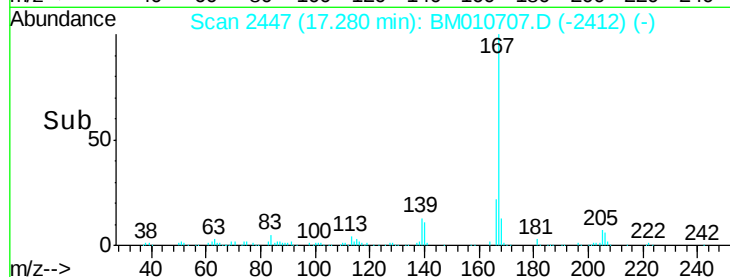
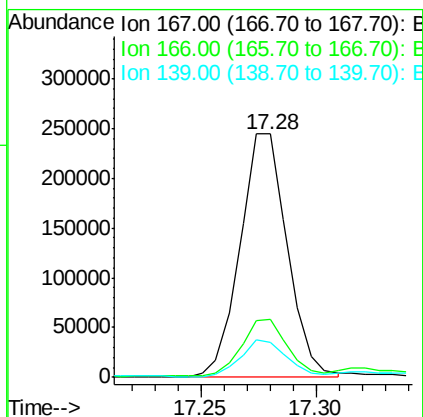
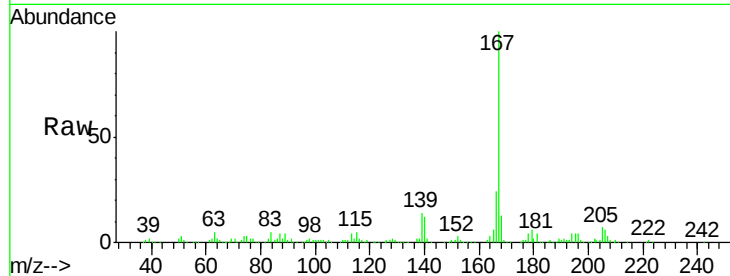
166 23.6 17.1 25.7

139 14.2 10.0 15.0

Manual Integrations
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#74

Fluoranthene

Concen: 263.51 ng/ul m

RT: 18.96 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

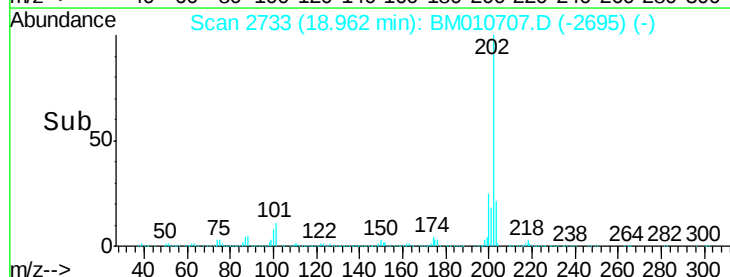
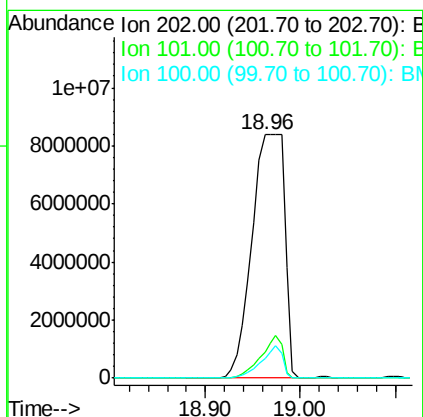
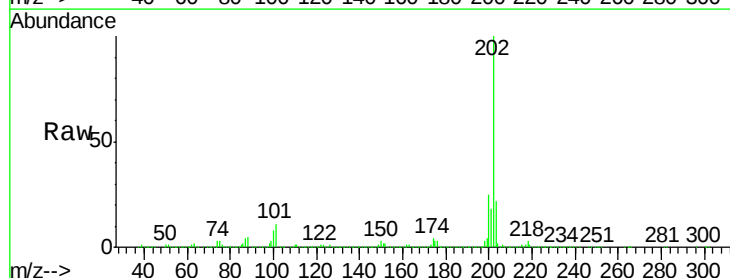
Tgt Ion:202 Resp:20115977

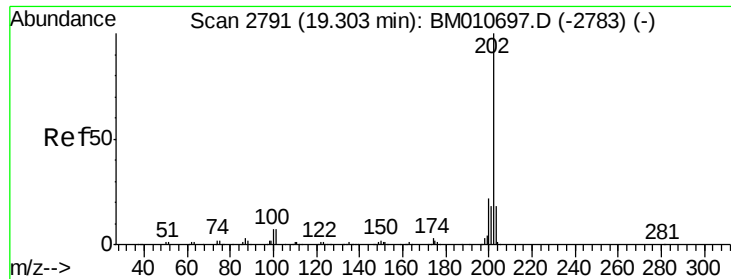
Ion Ratio Lower Upper

202 100

101 10.8 4.6 7.0#

100 8.0 3.4 5.2#





#77

Pyrene

Concen: 220.14 ng/ul

RT: 19.33 min Scan# 2796

Delta R.T. 0.03 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

Instrument :

BNA_M

ClientSampleId :

F5C83

Tgt Ion:202 Resp:15500225

Ion Ratio Lower Upper

202 100

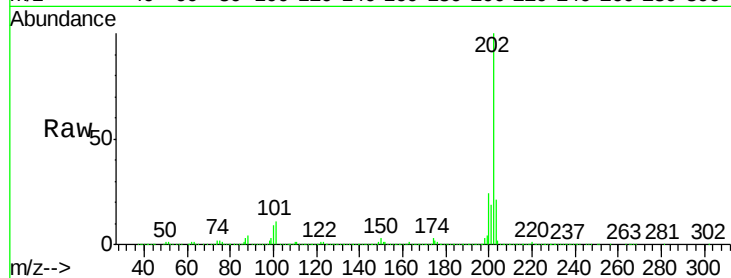
101 11.3 5.1 7.7#

100 9.0 4.9 7.3#

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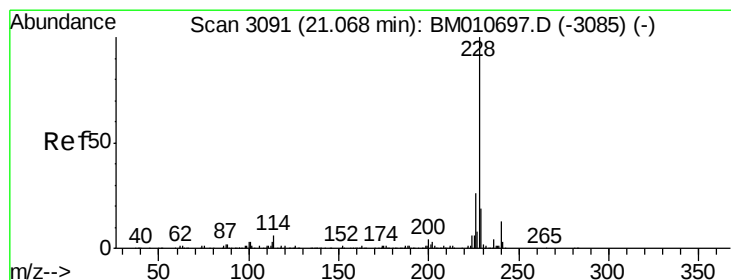
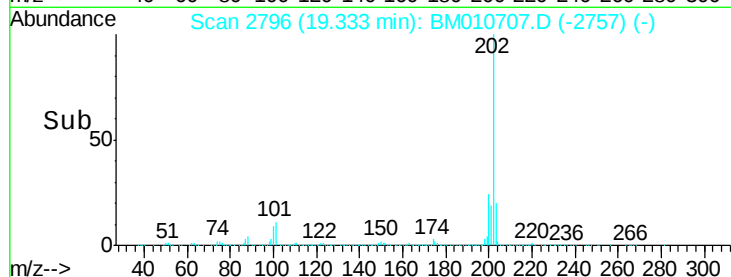
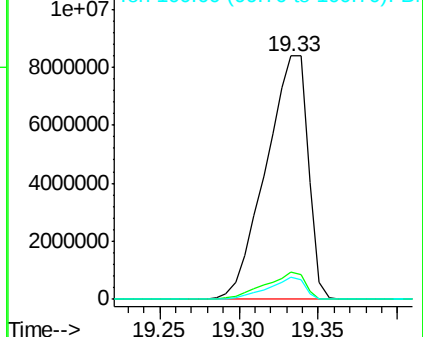
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 70.35 ng/ul

RT: 21.08 min Scan# 3093

Delta R.T. 0.01 min

Lab File: BM010707.D

Acq: 24 Jun 2017 01:26

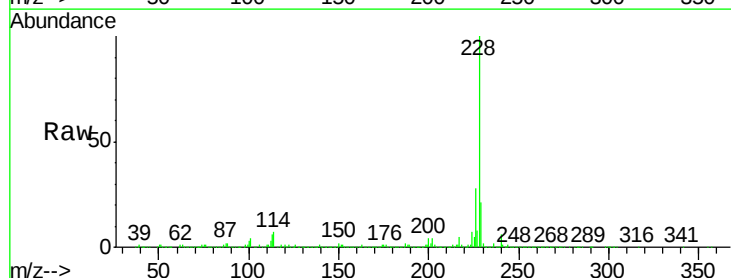
Tgt Ion:228 Resp: 4993839

Ion Ratio Lower Upper

228 100

229 20.9 15.4 23.0

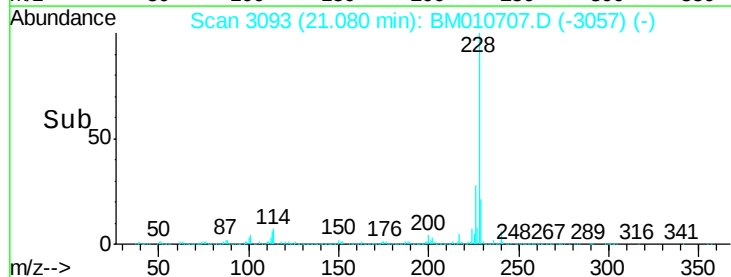
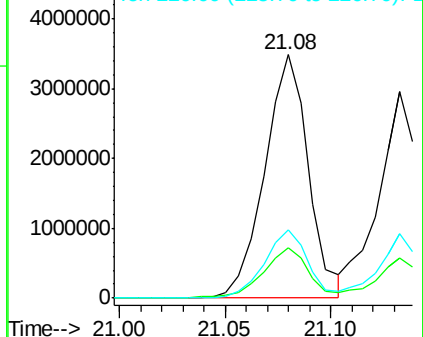
226 28.0 21.4 32.0

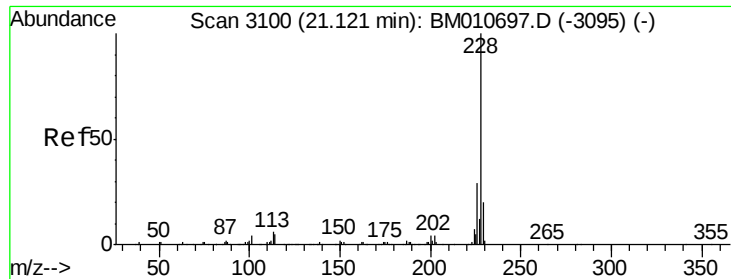


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





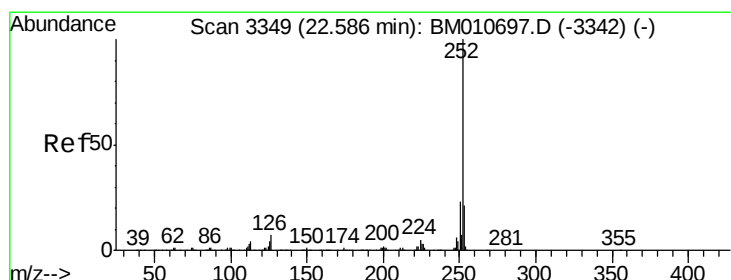
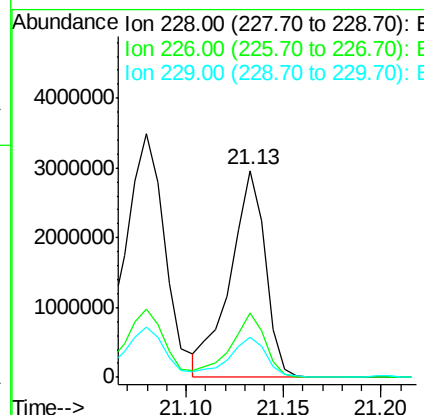
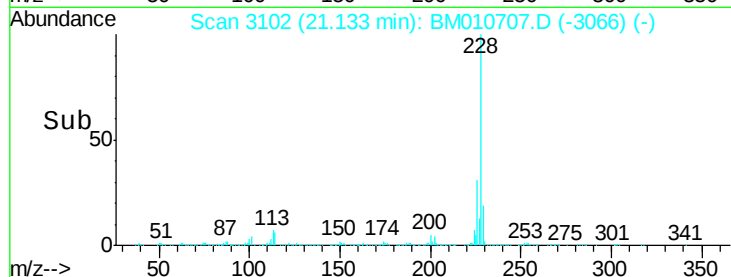
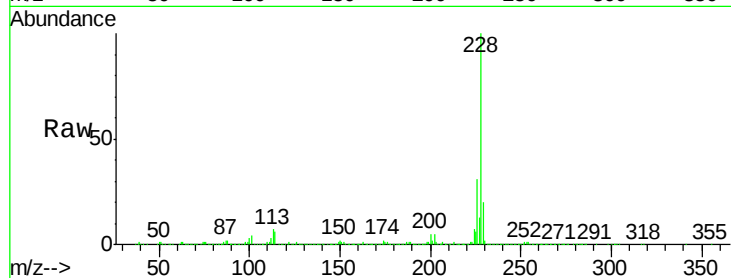
#82
Chrysene
Concen: 58.17 ng/ul
RT: 21.13 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Instrument :
BNA_M
ClientSampleId :
F5C83

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	19.6	15.5	23.3

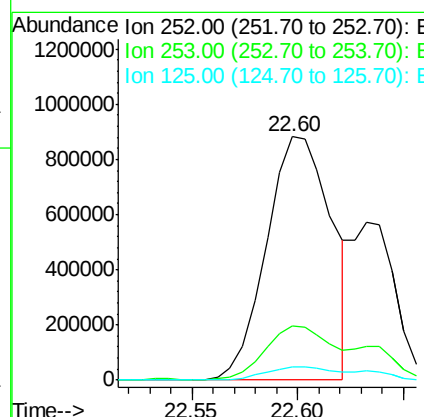
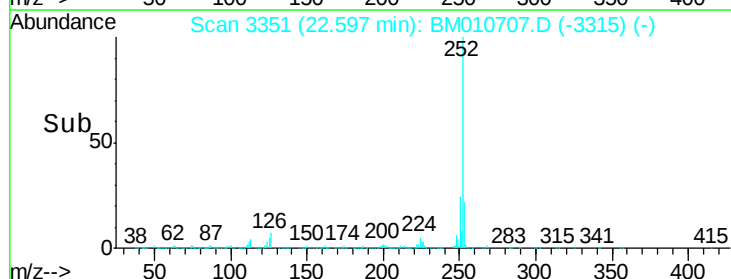
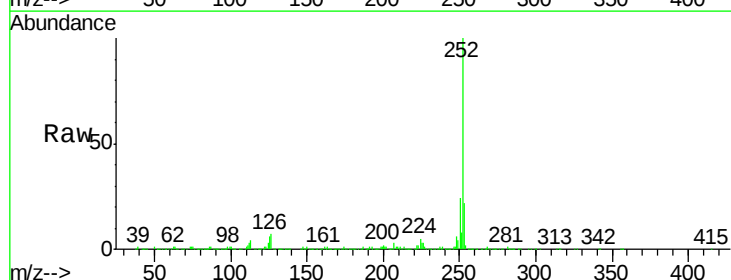
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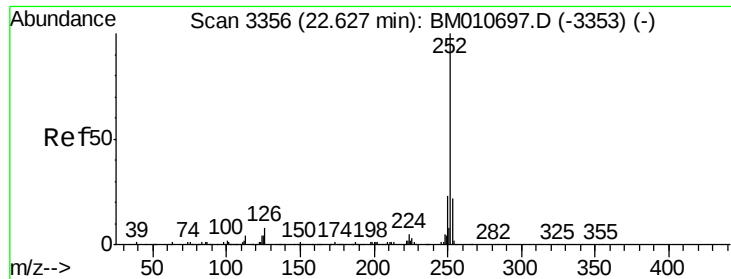
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#85
Benzo(b)fluoranthene
Concen: 34.22 ng/ul
RT: 22.60 min Scan# 3351
Delta R.T. 0.01 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	5.5	3.6	5.4





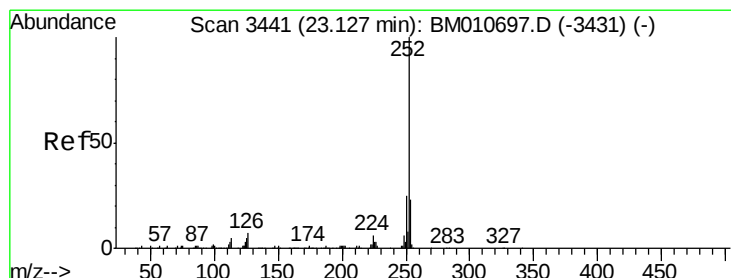
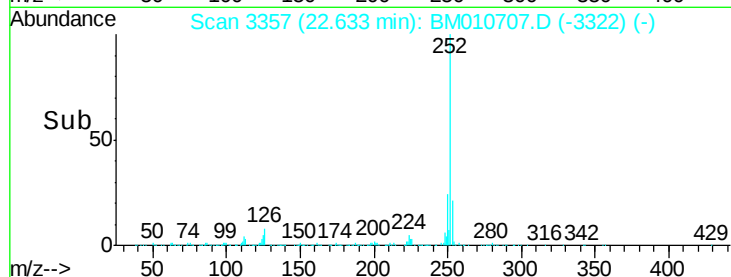
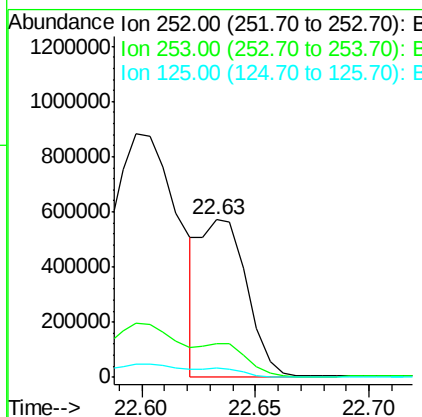
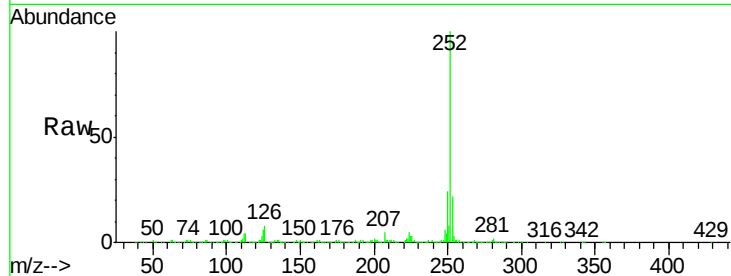
#86
Benzo(k)fluoranthene
Concen: 15.62 ng/ul m
RT: 22.63 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Instrument :
BNA_M
ClientSampled :
F5C83

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	5.6	3.4	5.2#

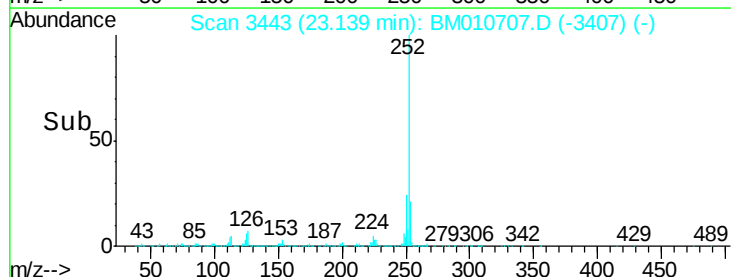
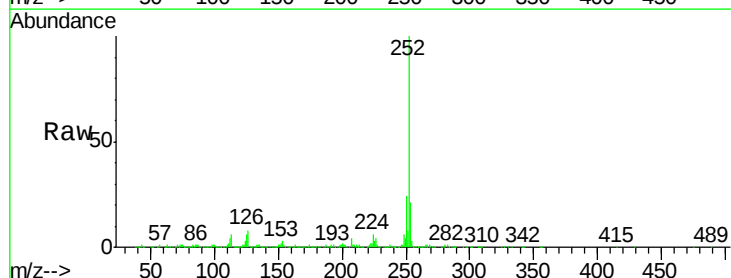
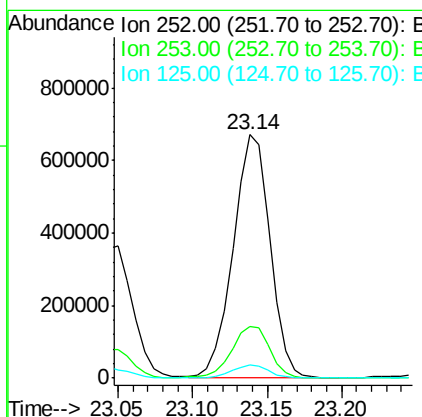
Manual Integrations
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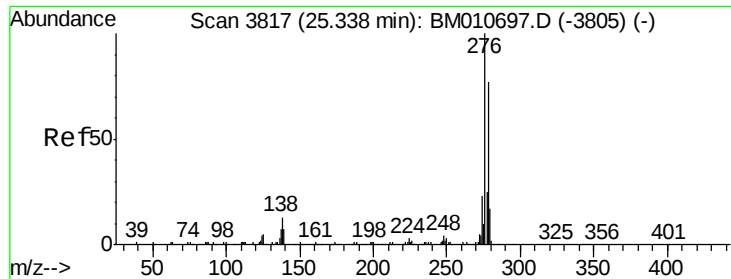
mohammad
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#88
Benzo(a)pyrene
Concen: 22.60 ng/ul
RT: 23.14 min Scan# 3443
Delta R.T. 0.01 min
Lab File: BM010707.D
Acq: 24 Jun 2017 01:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	5.6	4.0	6.0





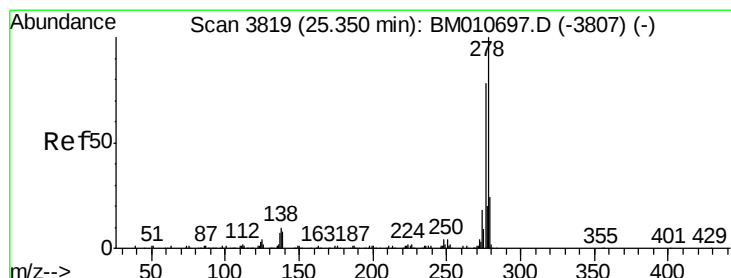
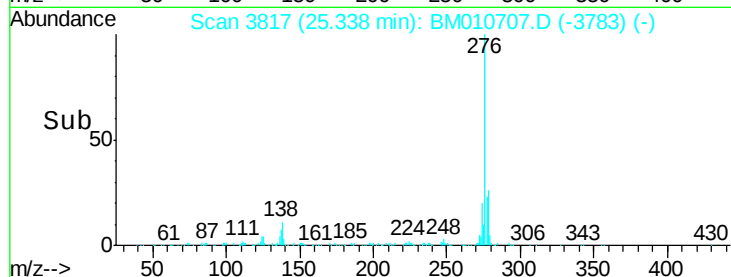
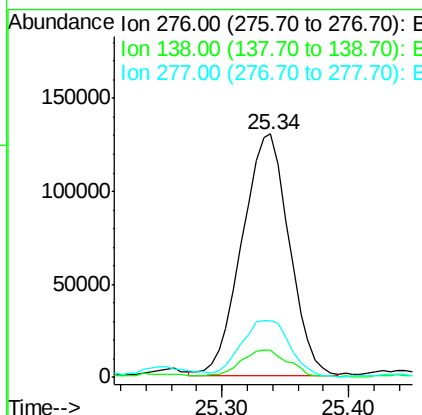
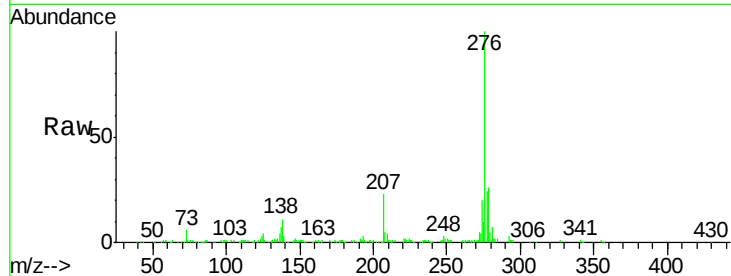
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.44 ng/ul
 RT: 25.34 min Scan# 3817
 Delta R.T. 0.00 min
 Lab File: BM010707.D
 Acq: 24 Jun 2017 01:26

Instrument :
 BNA_M
 ClientSampleId :
 F5C83

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.1	9.3	13.9
277	23.5	19.9	29.9

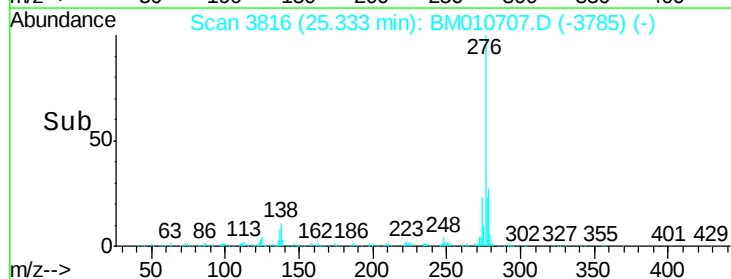
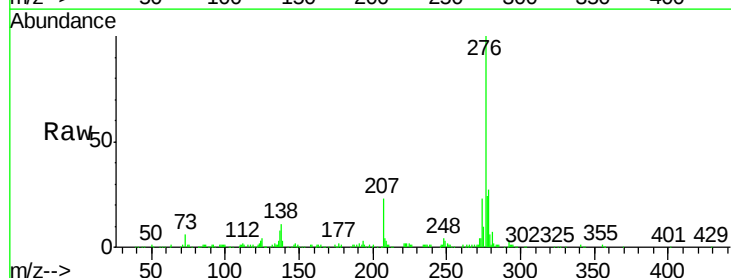
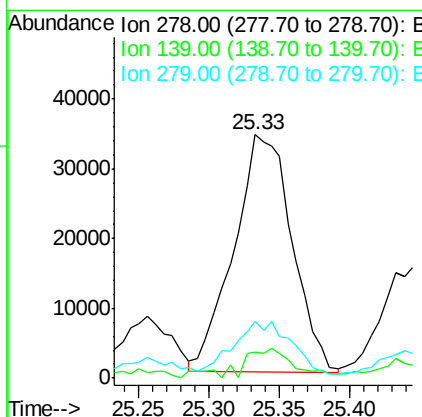
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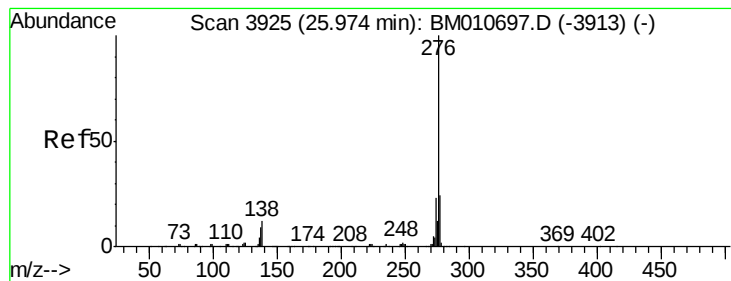
mohammad
 6/27/2017 5:03:27 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 2.24 ng/ul
 RT: 25.33 min Scan# 3816
 Delta R.T. -0.02 min
 Lab File: BM010707.D
 Acq: 24 Jun 2017 01:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.5	5.8	8.8#
279	23.3	18.6	27.8





#91

Benzo(g,h,i)perylene

Concen: 5.11 ng/ul

RT: 25.98 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BM010707.D

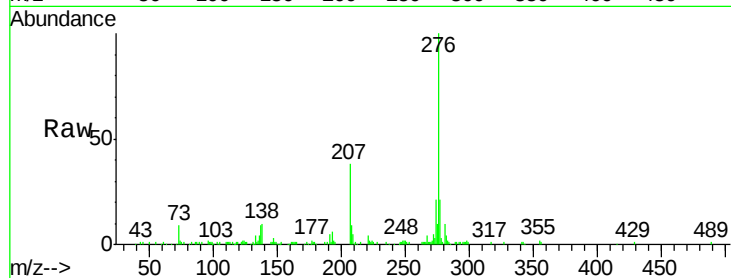
Acq: 24 Jun 2017 01:26

Instrument :

BNA_M

ClientSampleId :

F5C83



Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.3	8.5	12.7
277	21.1	18.6	28.0

Manual Integrations
APPROVED

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