

Data File : BM010689.D
Acq On : 23 Jun 2017 13:28
Operator : SJ/JU
Sample : I3625-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5D09

Manual Integrations
APPROVED

mohammad
6/27/2017 5:02:23 PM

Quant Time: Jun 24 04:01:02 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	87378	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	393832	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	264519	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	617643	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	569048	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	417613	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	5466	3.58	ng/uL	0.00
5) Phenol-d5	6.65	99	209067	25.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	109388	23.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	154781	26.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	195220	28.29	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	87485	31.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	111345	34.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	221212	32.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	244580	34.06	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	837359	36.06	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	934336	34.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	124560	30.48	ng/ul	0.00
57) Fluorene-d10	15.12	176	694084	34.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	141486	37.30	ng/ul	0.00
70) Anthracene-d10	16.97	188	1116434m	37.43	ng/ul	0.00
76) Pyrene-d10	19.28	212	1187580	44.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.10	264	717203	35.53	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	6.67	94	16645	1.94	ng/ul	91
44) Dimethylphthalate	13.58	163	165474	7.27	ng/ul	97
47) Acenaphthylene	13.83	152	69050	2.68	ng/ul	98
69) Phenanthrene	16.91	178	91320	2.78	ng/ul	98
71) Anthracene	17.00	178	71604m	2.12	ng/ul	
74) Fluoranthene	18.94	202	725256	17.14	ng/ul#	97
77) Pyrene	19.31	202	1434363	43.64	ng/ul	98
80) Benzo(a)anthracene	21.07	228	658886	19.88	ng/ul	94
82) Chrysene	21.12	228	1030042m	34.86	ng/ul	
85) Benzo(b)fluoranthene	22.60	252	2469491	91.10	ng/ul	99
86) Benzo(k)fluoranthene	22.64	252	689053m	26.81	ng/ul	
88) Benzo(a)pyrene	23.14	252	1124132	45.04	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.34	276	765663	29.58	ng/ul	99
90) Dibenzo(a,h)anthracene	25.35	278	208000	9.64	ng/ul#	92
91) Benzo(g,h,i)perylene	25.99	276	561786	27.26	ng/ul	98

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

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ClientSampleId :

F5D09

Manual Integrations
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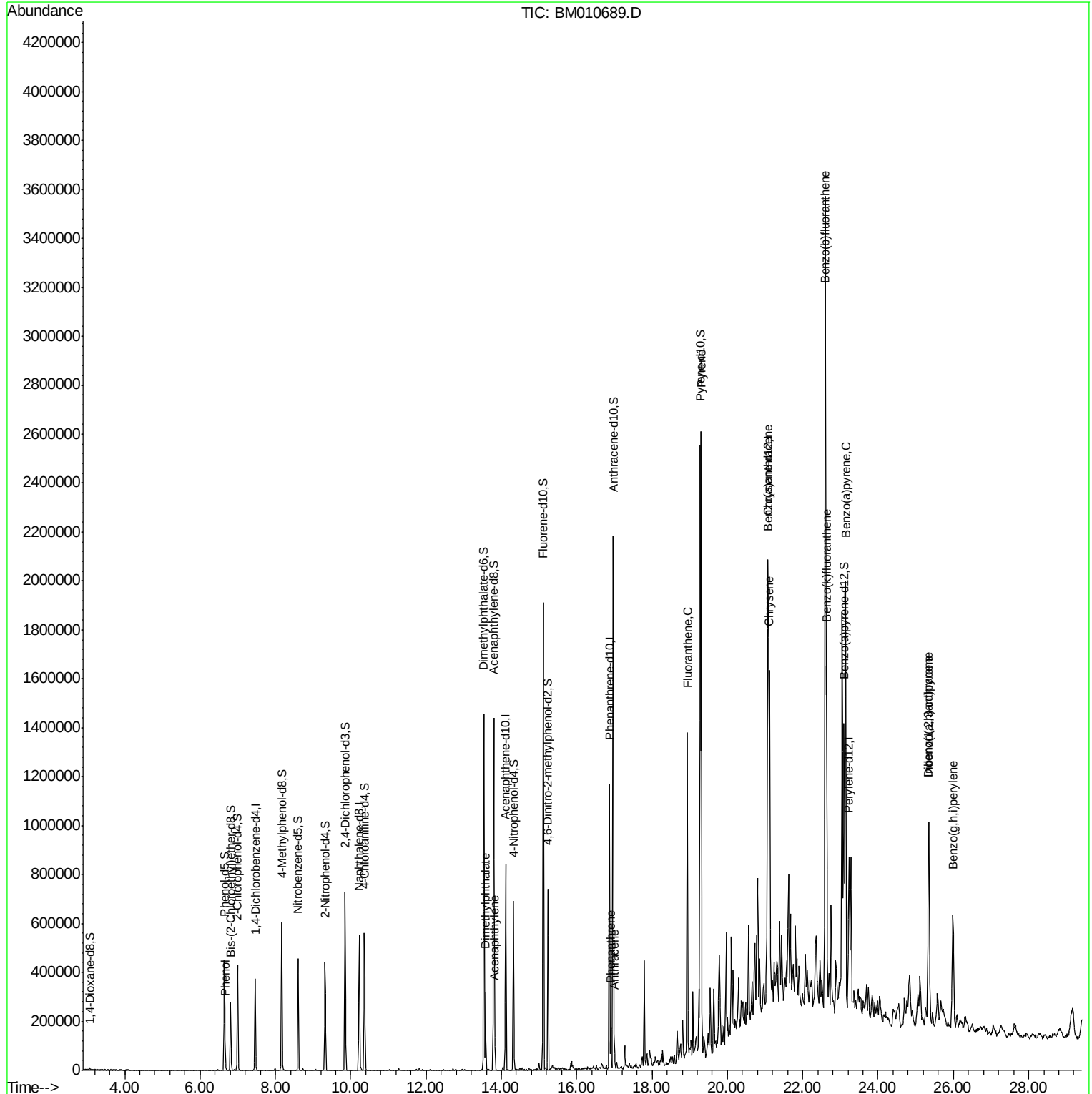
Quant Time: Jun 24 04:01:02 2017

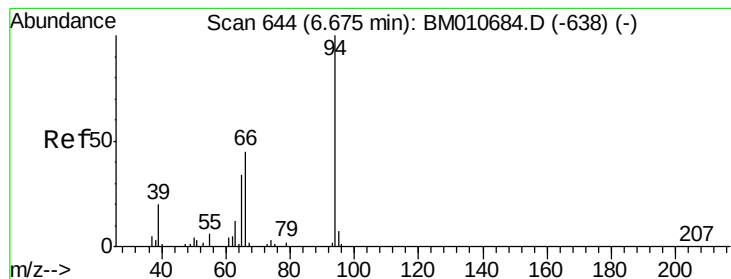
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 24 03:35:21 2017

Response via : Initial Calibration





#6

Phenol

Concen: 1.94 ng/ul

RT: 6.67 min Scan# 643

Delta R.T. -0.01 min

Lab File: BM010689.D

Acq: 23 Jun 2017 13:28

Instrument :

BNA_M

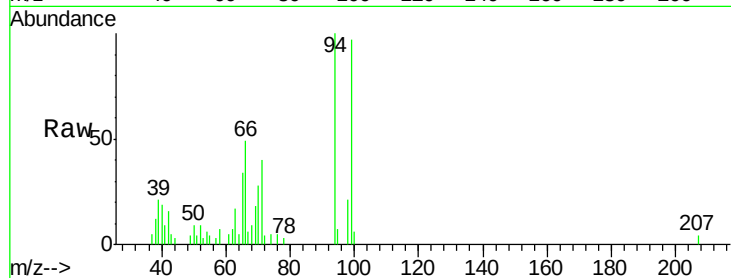
ClientSampled :

F5D09

Tgt Ion:	94	Resp:	16645
Ion Ratio	Lower	Upper	
94	100		
65	34.0	28.2	42.4
66	49.3	47.2	70.8

Manual Integrations
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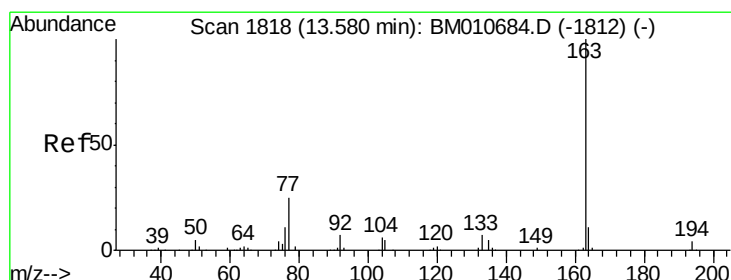
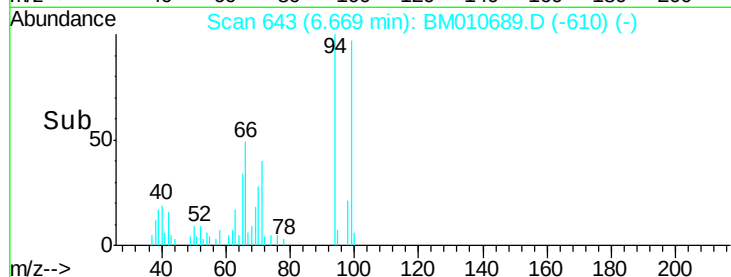
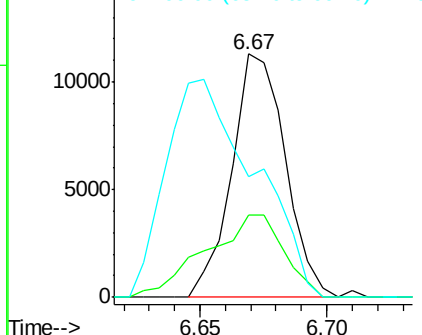


Abundance

Ion 94.00 (93.70 to 94.70): BM010684.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM010684.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM010684.D (-638) (-)



#44

Dimethylphthalate

Concen: 7.27 ng/ul

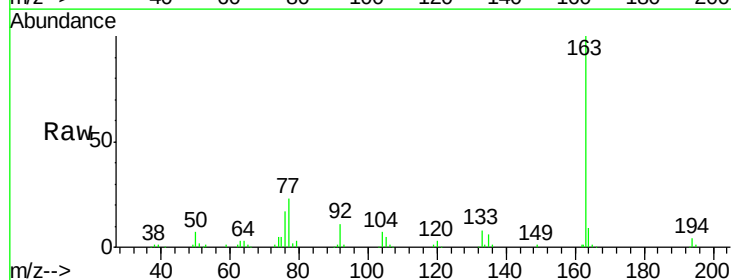
RT: 13.58 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM010689.D

Acq: 23 Jun 2017 13:28

Tgt Ion:	163	Resp:	165474
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.5	5.3
164	9.1	8.2	12.4

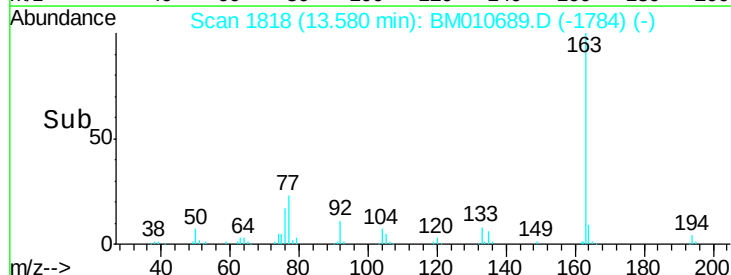
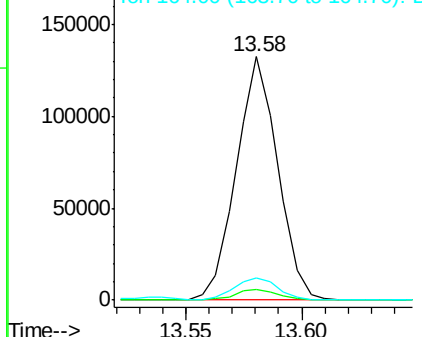


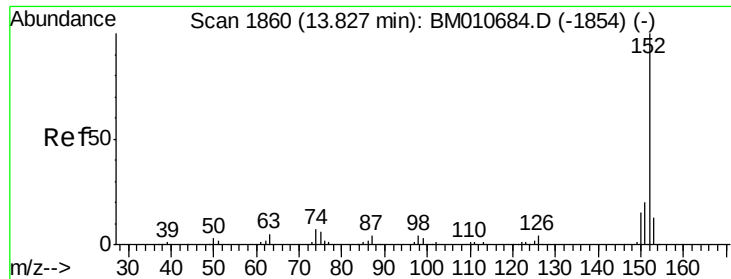
Abundance

Ion 163.00 (162.70 to 163.70): BM010684.D (-1812) (-)

Ion 194.00 (193.70 to 194.70): BM010684.D (-1812) (-)

Ion 164.00 (163.70 to 164.70): BM010684.D (-1812) (-)





#47

Acenaphthylene

Concen: 2.68 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM010689.D

Acq: 23 Jun 2017 13:28

Instrument :

BNA_M

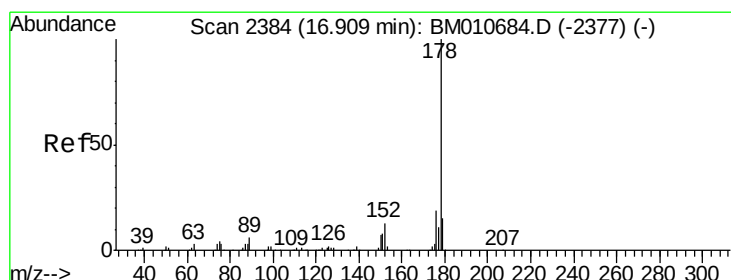
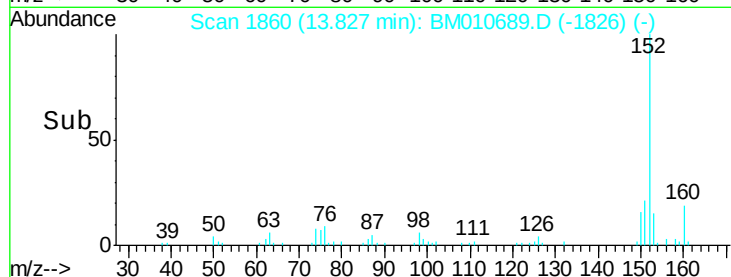
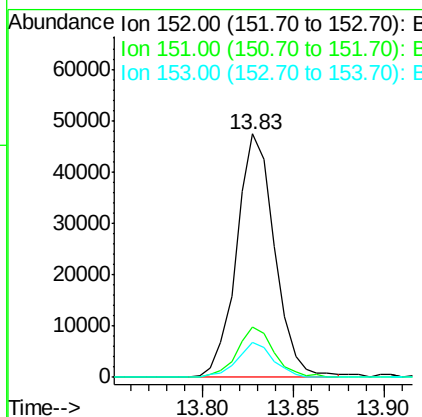
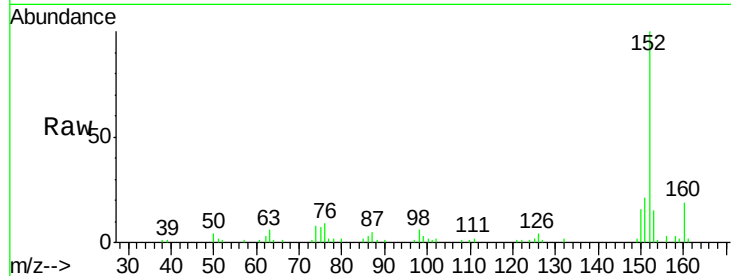
ClientSampleId :

F5D09

Tgt Ion:	152	Resp:	69050
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	14.6	10.2	15.4

Manual Integrations
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#69

Phenanthrene

Concen: 2.78 ng/ul

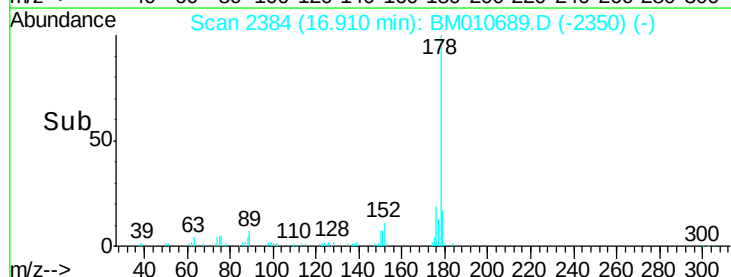
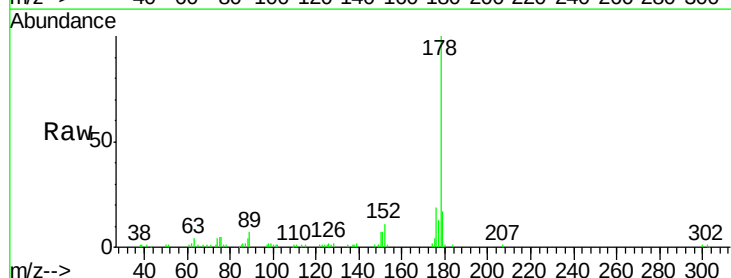
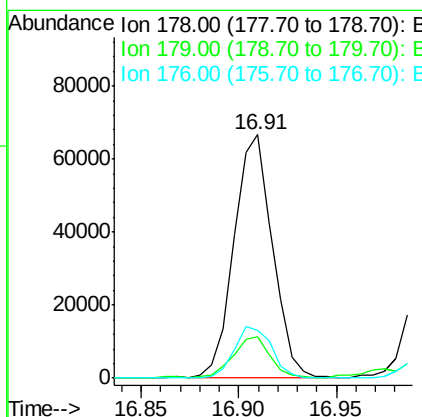
RT: 16.91 min Scan# 2384

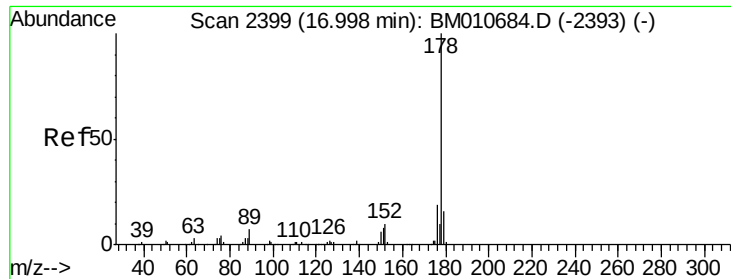
Delta R.T. 0.00 min

Lab File: BM010689.D

Acq: 23 Jun 2017 13:28

Tgt Ion:	178	Resp:	91320
Ion Ratio	Lower	Upper	
178	100		
179	17.0	12.6	19.0
176	19.4	14.9	22.3





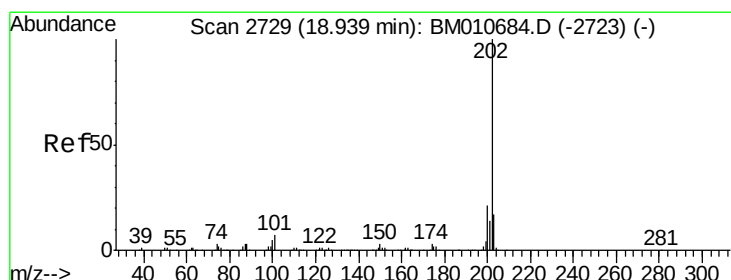
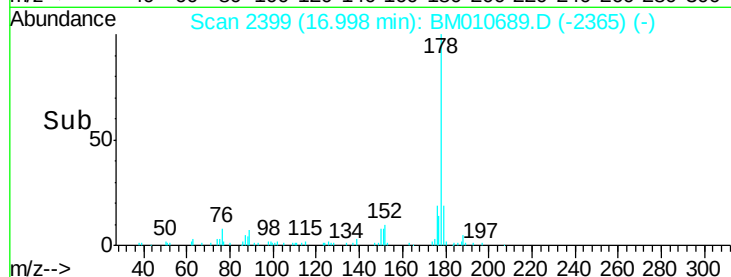
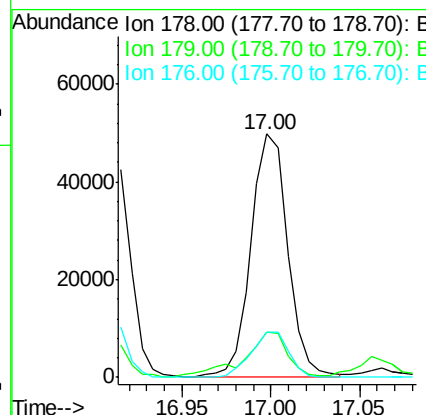
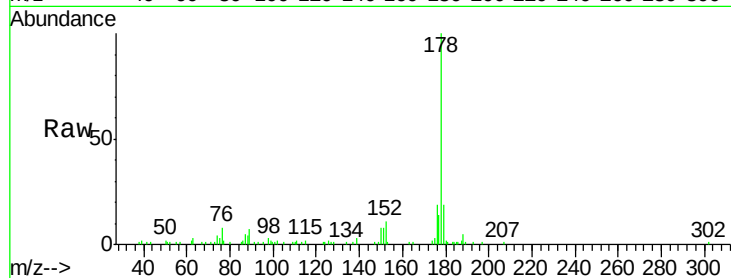
#71
 Anthracene
 Concen: 2.12 ng/ul m
 RT: 17.00 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM010689.D
 Acq: 23 Jun 2017 13:28

Instrument :
 BNA_M
 ClientSampleId :
 F5D09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.6	11.7	17.5#
176	18.7	14.6	21.8

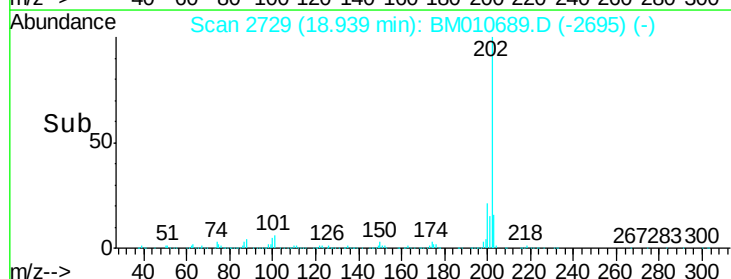
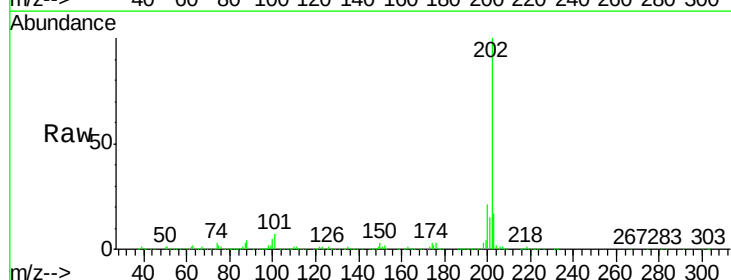
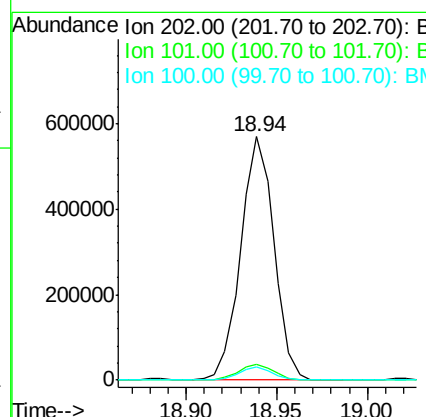
Manual Integrations
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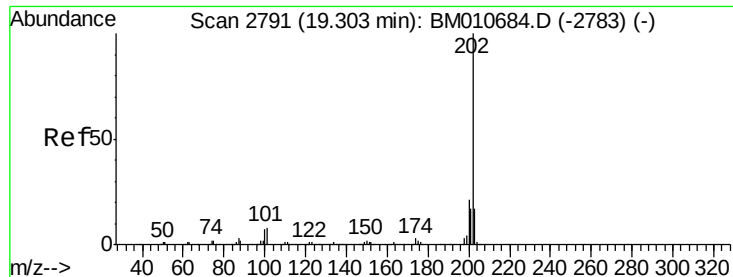
mohammad
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#74
 Fluoranthene
 Concen: 17.14 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM010689.D
 Acq: 23 Jun 2017 13:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.6	4.6	7.0
100	5.3	3.4	5.2#





#77

Pyrene

Concen: 43.64 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010689.D

Acq: 23 Jun 2017 13:28

Instrument :

BNA_M

ClientSampleId :

F5D09

Tgt Ion:202 Resp: 1434363

Ion Ratio Lower Upper

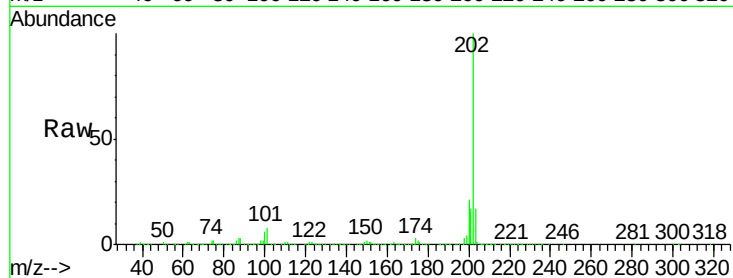
202 100

101 7.6 5.1 7.7

100 5.8 4.9 7.3

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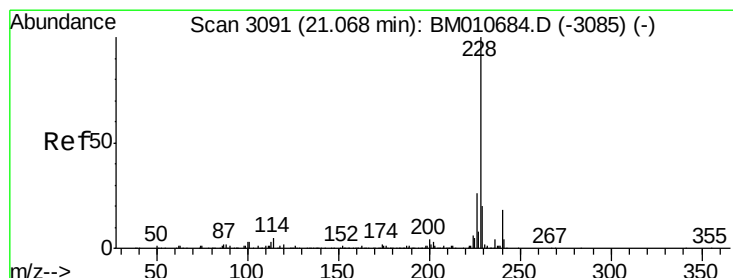
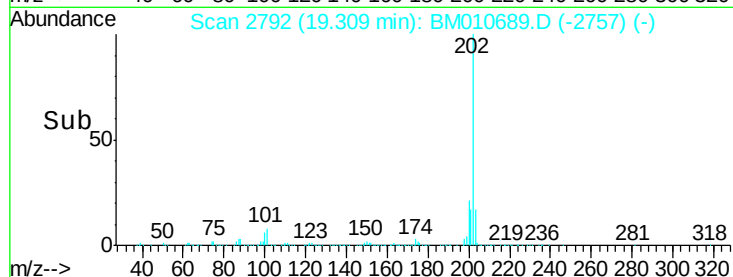
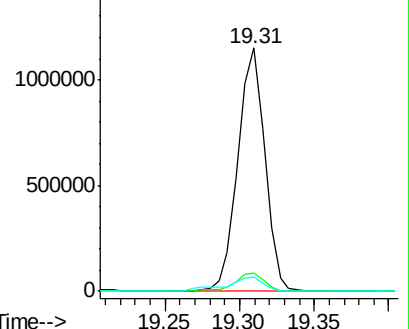
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 19.88 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010689.D

Acq: 23 Jun 2017 13:28

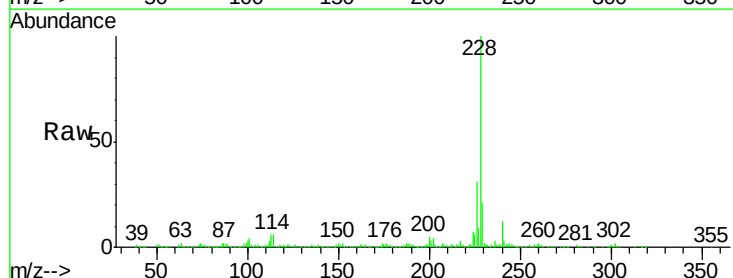
Tgt Ion:228 Resp: 658886

Ion Ratio Lower Upper

228 100

229 21.2 15.4 23.0

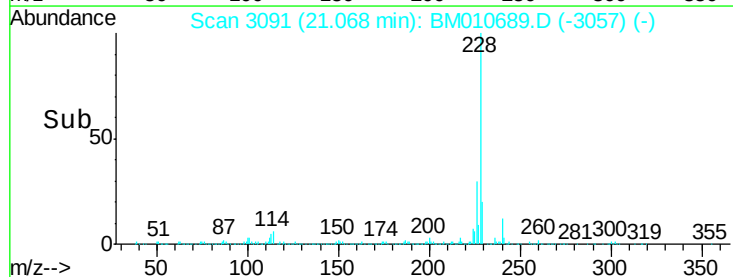
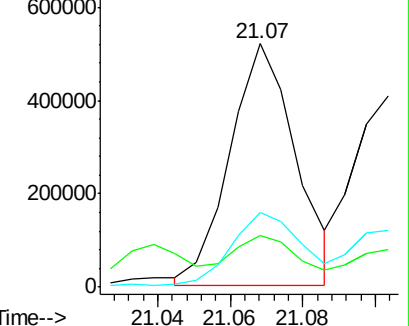
226 30.7 21.4 32.0

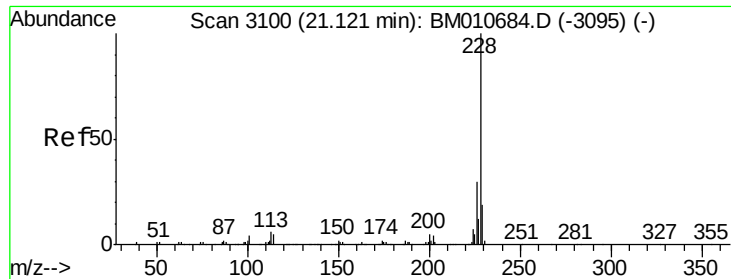


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





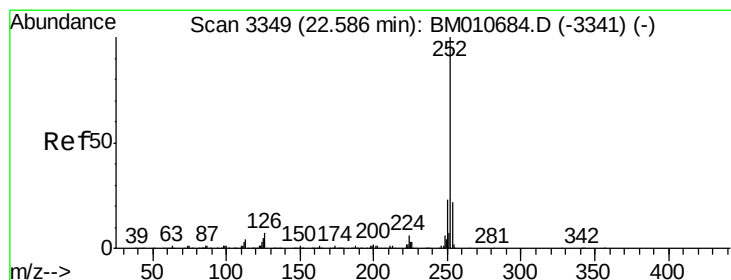
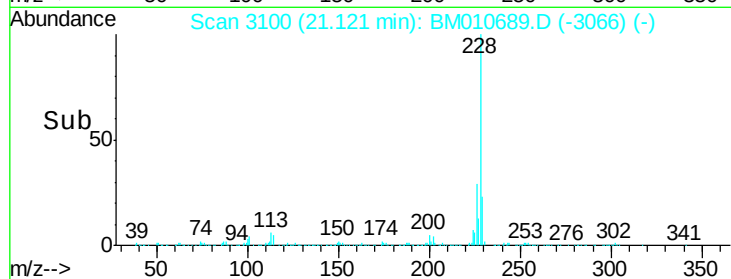
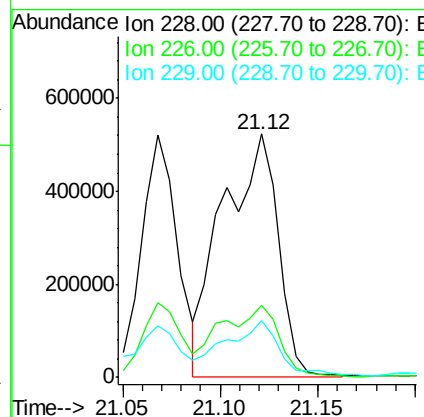
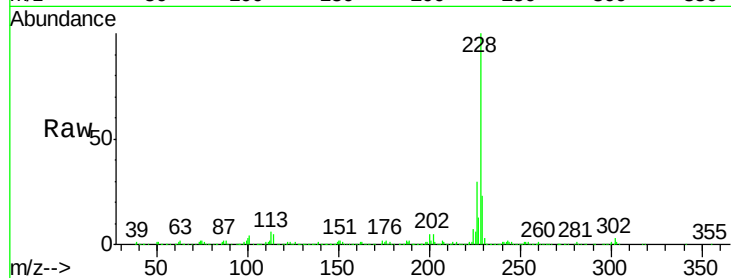
#82
Chrysene
Concen: 34.86 ng/ul m
RT: 21.12 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM010689.D
Acq: 23 Jun 2017 13:28

Instrument :
BNA_M
ClientSampleId :
F5D09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	23.4	15.5	23.3#

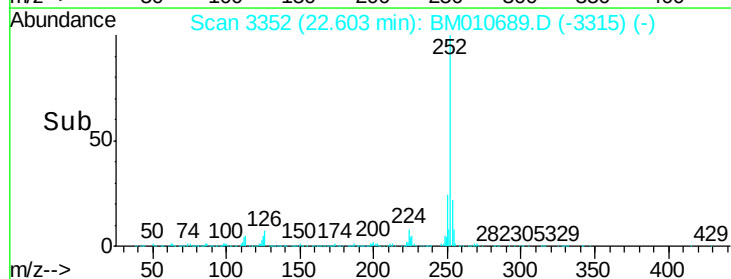
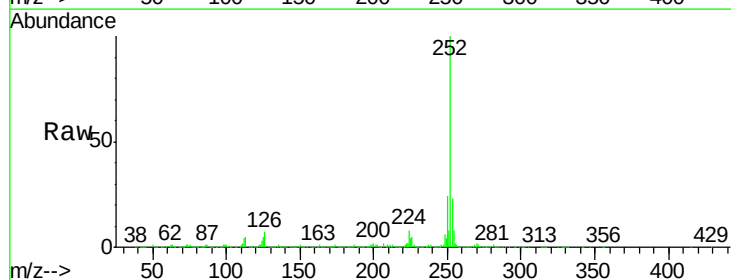
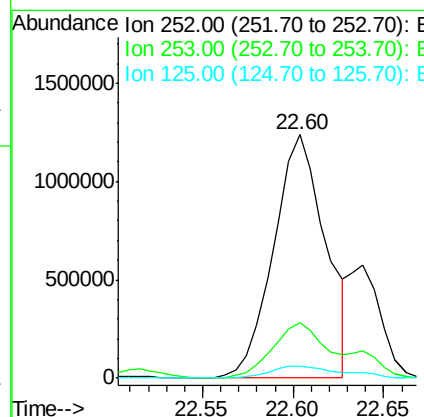
Manual Integrations
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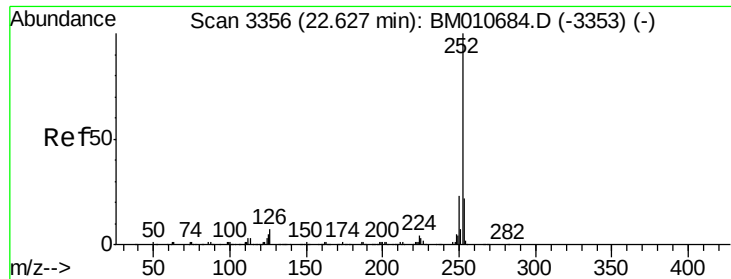
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#85
Benzo(b)fluoranthene
Concen: 91.10 ng/ul
RT: 22.60 min Scan# 3352
Delta R.T. 0.02 min
Lab File: BM010689.D
Acq: 23 Jun 2017 13:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	5.2	3.6	5.4





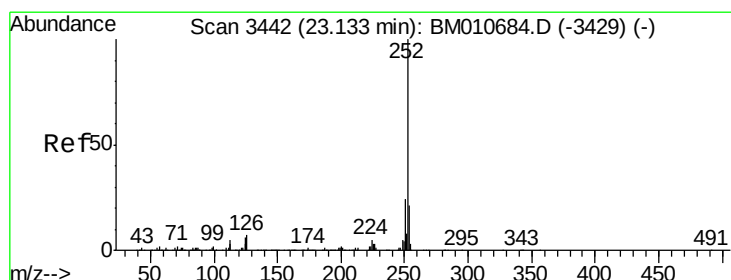
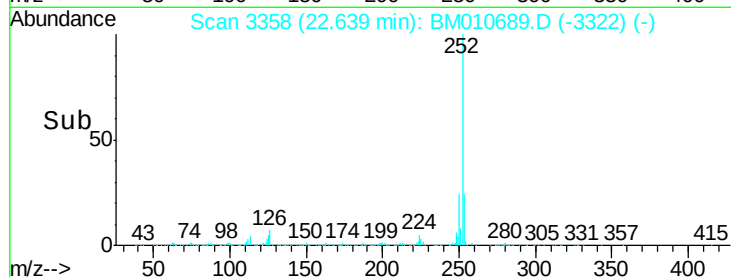
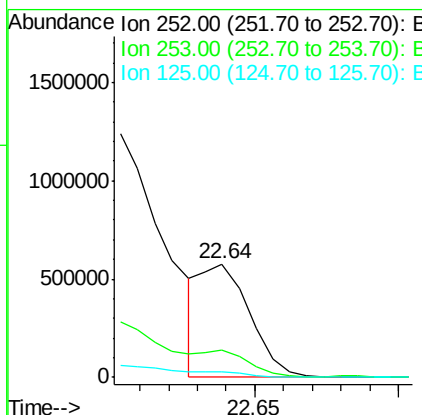
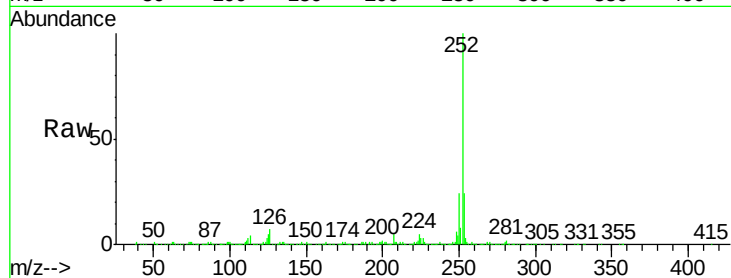
#86
Benzo(k)fluoranthene
Concen: 26.81 ng/ul m
RT: 22.64 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BM010689.D
Acq: 23 Jun 2017 13:28

Instrument :
BNA_M
ClientSampled :
F5D09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	5.2	3.4	5.2#

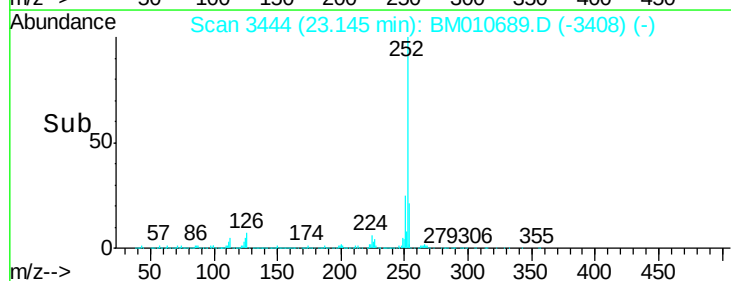
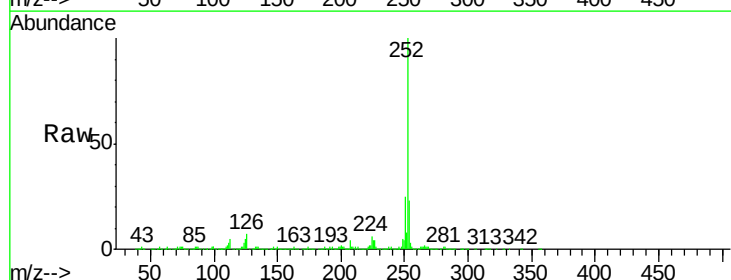
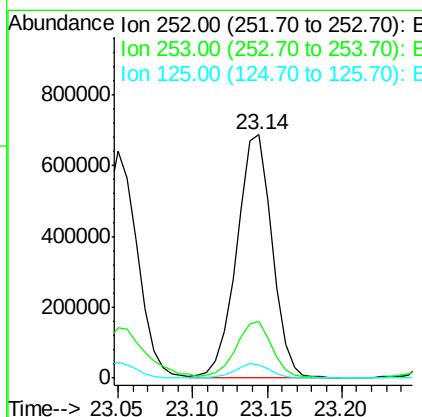
Manual Integrations
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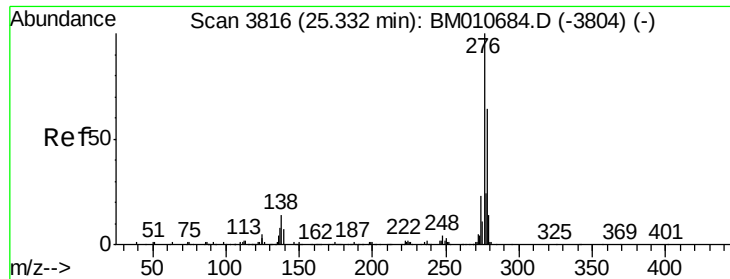
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#88
Benzo(a)pyrene
Concen: 45.04 ng/ul
RT: 23.14 min Scan# 3444
Delta R.T. 0.01 min
Lab File: BM010689.D
Acq: 23 Jun 2017 13:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	5.5	4.0	6.0





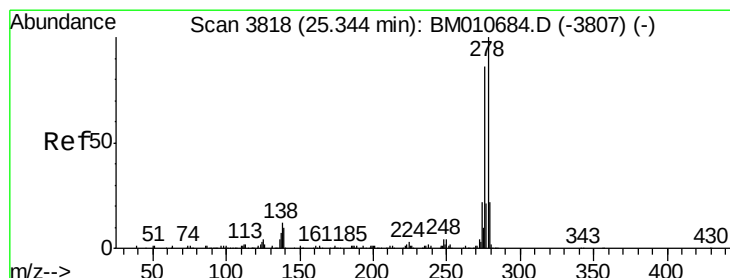
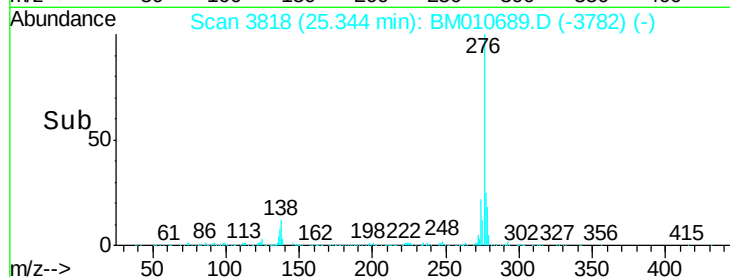
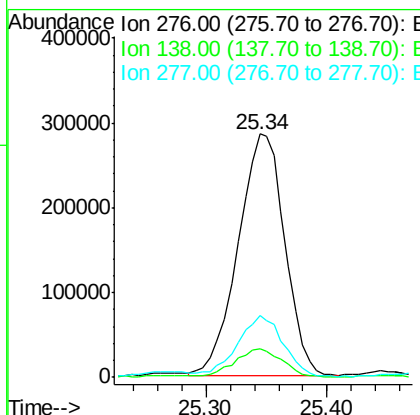
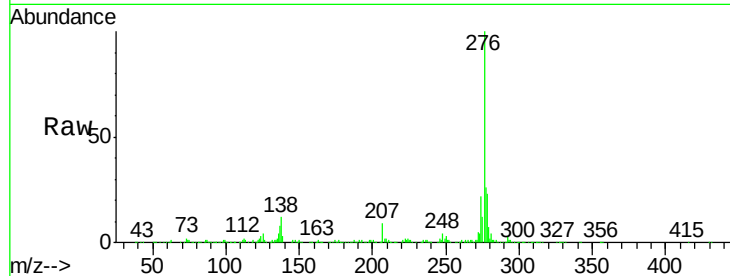
#89
Indeno(1,2,3-cd)pyrene
Concen: 29.58 ng/ul
RT: 25.34 min Scan# 3818
Delta R.T. 0.01 min
Lab File: BM010689.D
Acq: 23 Jun 2017 13:28

Instrument :
BNA_M
ClientSampleId :
F5D09

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	765663		
138	12.0	9.3	13.9	
277	25.6	19.9	29.9	

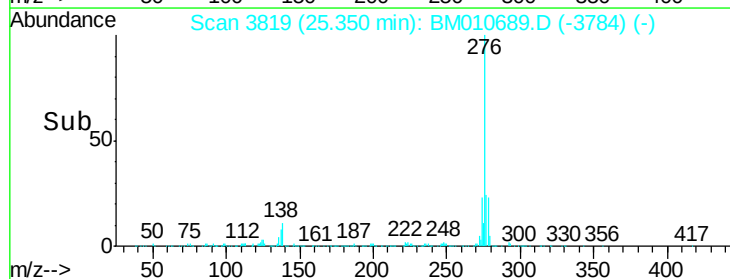
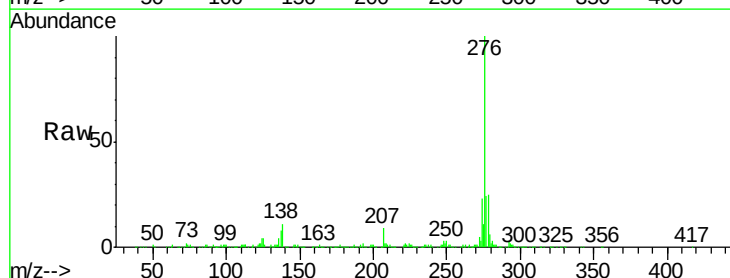
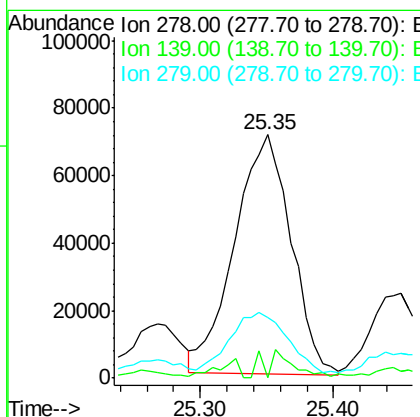
Manual Integrations
APPROVED

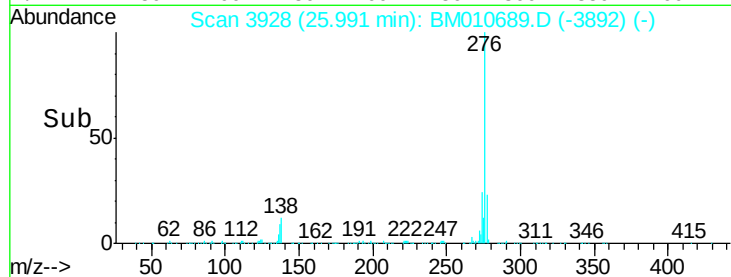
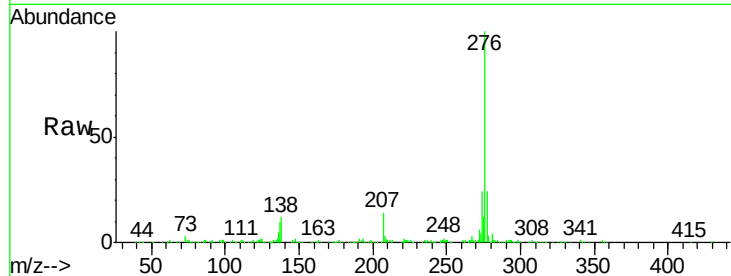
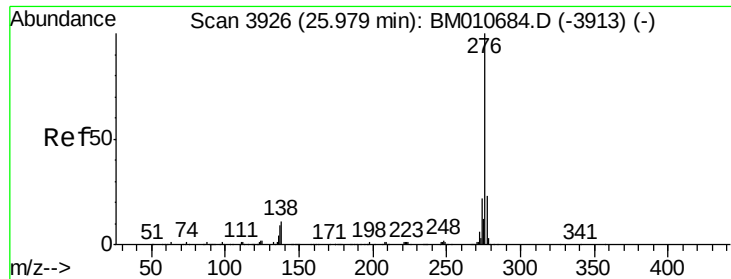
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 9.64 ng/ul
RT: 25.35 min Scan# 3819
Delta R.T. 0.01 min
Lab File: BM010689.D
Acq: 23 Jun 2017 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	208000		
139	0.0	5.8	8.8#	
279	25.1	18.6	27.8	





#91

Benzo(g,h,i)perylene

Concen: 27.26 ng/ul

RT: 25.99 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BM010689.D

Acq: 23 Jun 2017 13:28

Instrument :

BNA_M

ClientSampleId :

F5D09

Tgt Ion:	276	Resp:	561786
Ion Ratio	Lower	Upper	
276	100		
138	12.1	8.5	12.7
277	23.5	18.6	28.0

Manual Integrations
APPROVED

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