

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012118.D
 Acq On : 13 Oct 2017 02:52
 Operator : SJ/JU
 Sample : I5490-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-69(1-3)-092717

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:36:58 PM

Quant Time: Oct 13 05:22:28 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	382111	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1535559	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	798315	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1466163	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1589686	20.00	ng/ul	0.01
83) Perylene-d12	23.75	264	1773683	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	20441	2.54	ng/uL	0.00
5) Phenol-d5	7.00	99	567926	18.32	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.16	67	342951	18.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	487160	18.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	488296	18.29	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	239456	20.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	269869	19.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	491557	18.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	95243	3.89	ng/ul	0.01
43) Dimethylphthalate-d6	13.89	166	1497793	21.23	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1771511	20.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	148781	14.03	ng/ul	0.02
57) Fluorene-d10	15.48	176	1137725	19.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	63884	6.35	ng/ul	0.02
70) Anthracene-d10	17.33	188	1519615	20.96	ng/ul	0.01
76) Pyrene-d10	19.63	212	1587793	19.68	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	1794413	20.99	ng/ul	0.03

Target Compounds

						Qvalue
14) Acetophenone	8.66	105	112937	2.78	ng/ul	90
28) Naphthalene	10.69	128	123200	1.55	ng/ul	97
44) Dimethylphthalate	13.94	163	577569	8.17	ng/ul	99
69) Phenanthrene	17.27	178	583357	6.99	ng/ul	99
71) Anthracene	17.36	178	139294m	1.61	ng/ul	
74) Fluoranthene	19.29	202	1341684	13.33	ng/ul#	71
77) Pyrene	19.66	202	1144155	10.90	ng/ul#	90
80) Benzo(a)anthracene	21.40	228	748824	7.24	ng/ul#	88
81) Bis(2-ethylhexyl)phthalate	21.31	149	709831	10.12	ng/ul	99
82) Chrysene	21.45	228	805739	8.30	ng/ul#	89
85) Benzo(b)fluoranthene	23.04	252	1190849	10.29	ng/ul#	79
86) Benzo(k)fluoranthene	23.09	252	355901m	3.19	ng/ul	
88) Benzo(a)pyrene	23.64	252	742910	6.81	ng/ul#	74
89) Indeno(1,2,3-cd)pyrene	26.14	276	554861	4.79	ng/ul#	78
91) Benzo(g,h,i)perylene	26.89	276	566566	5.97	ng/ul#	75

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

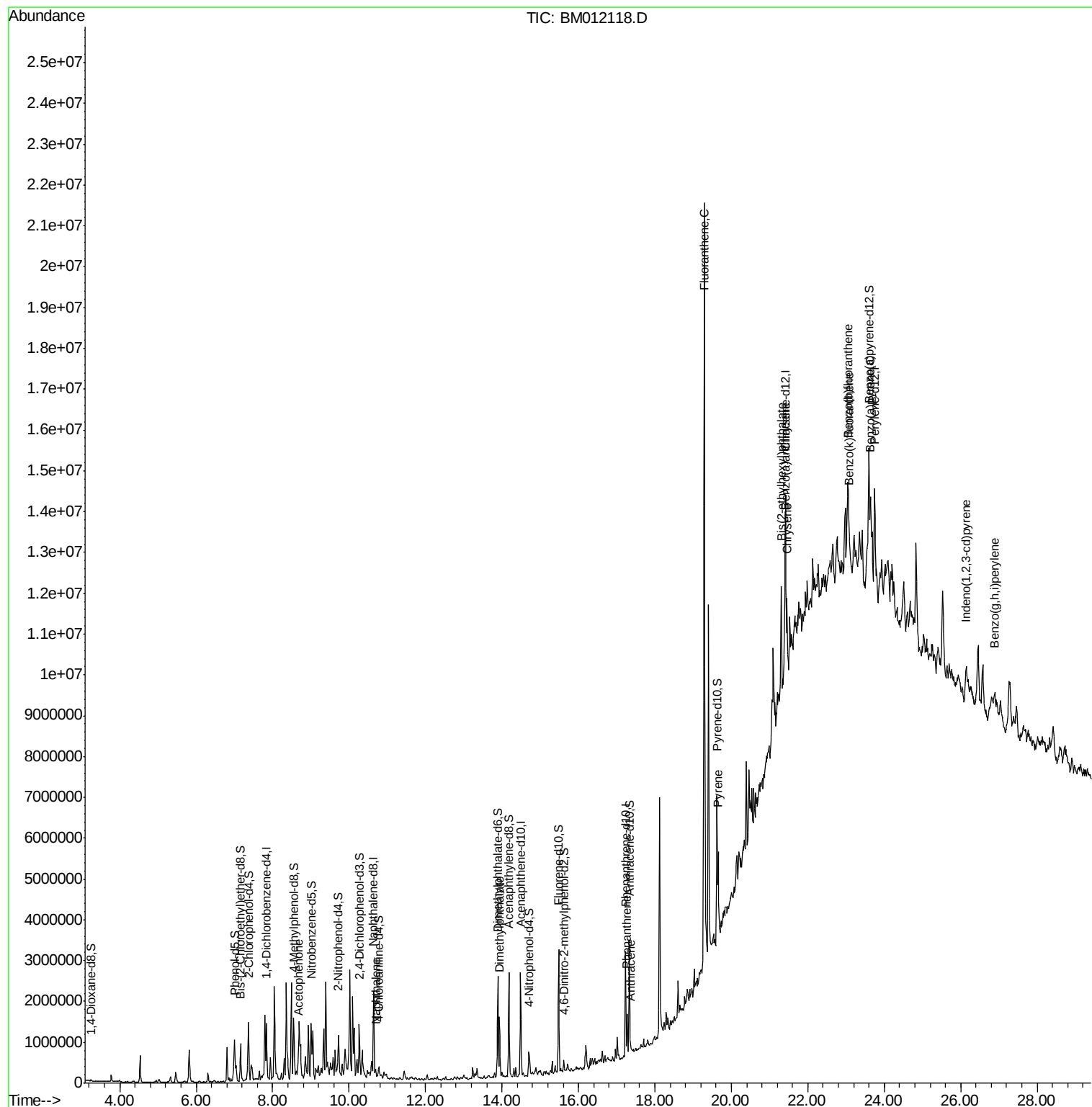
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012118.D
Acq On : 13 Oct 2017 02:52
Operator : SJ/JU
Sample : I5490-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

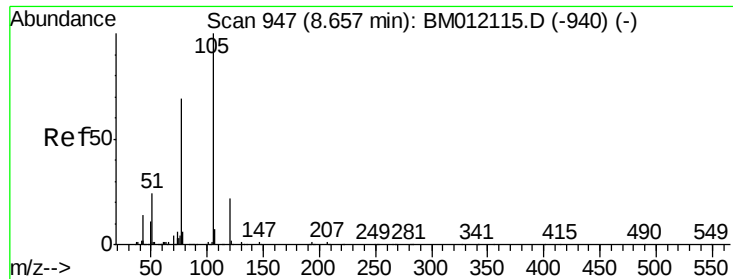
Instrument :
BNA_M
ClientSampleId :
B-69(1-3)-092717

Quant Time: Oct 13 05:22:28 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:58 PM





#14

Acetophenone

Concen: 2.78 ng/ul

RT: 8.66 min Scan# 948

Delta R.T. 0.01 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Instrument :

BNA_M

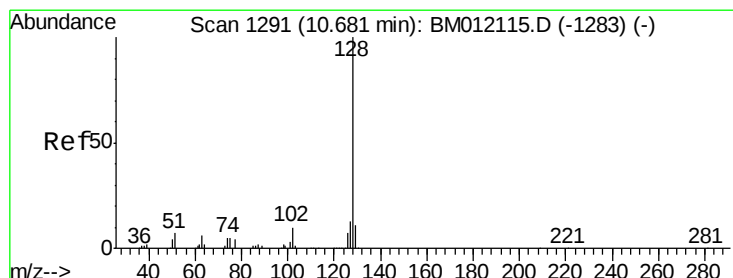
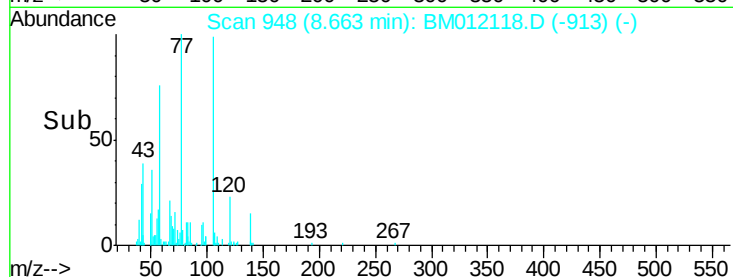
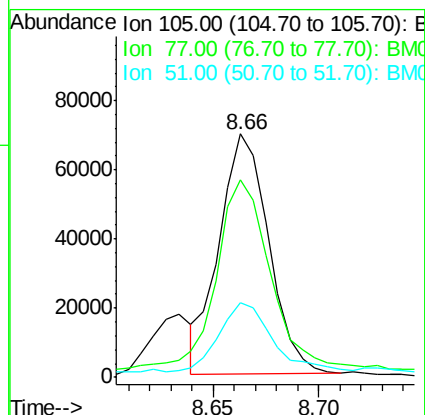
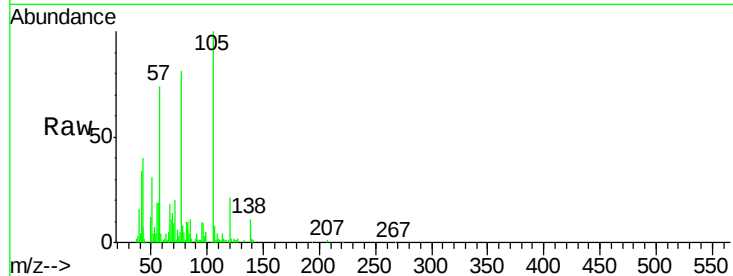
ClientSampleId :

B-69(1-3)-092717

Tgt	Ion:105	Resp:	112937
Ion	Ratio	Lower	Upper
105	100		
77	81.4	74.2	111.4
51	30.6	23.4	35.2

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:58 PM



#28

Naphthalene

Concen: 1.55 ng/ul

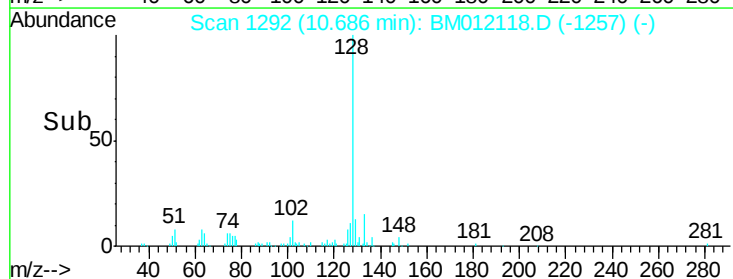
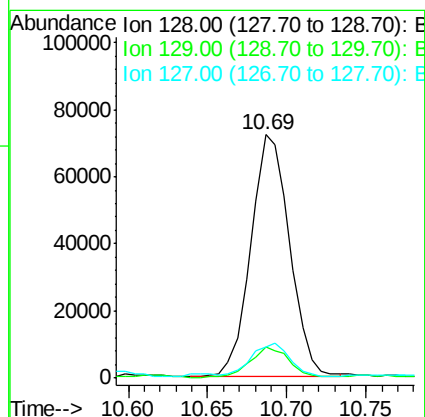
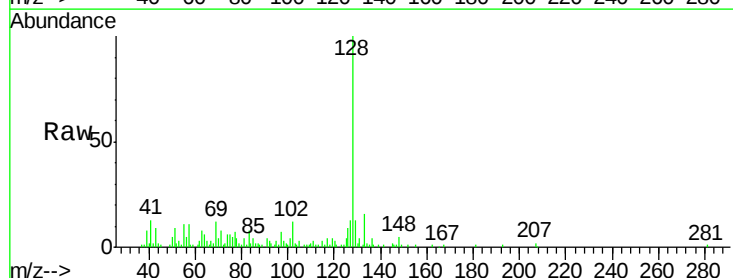
RT: 10.69 min Scan# 1292

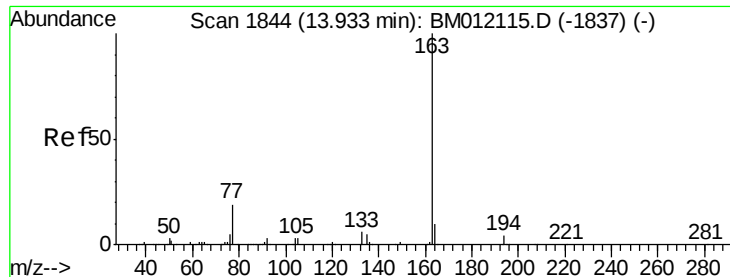
Delta R.T. 0.01 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Tgt	Ion:128	Resp:	123200
Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.8	13.2
127	13.0	10.6	16.0





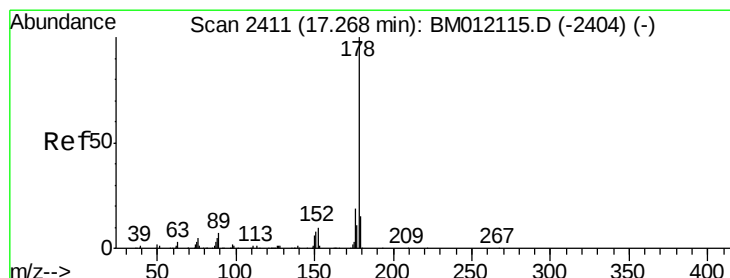
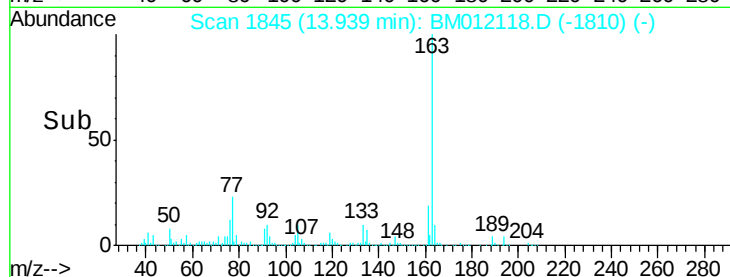
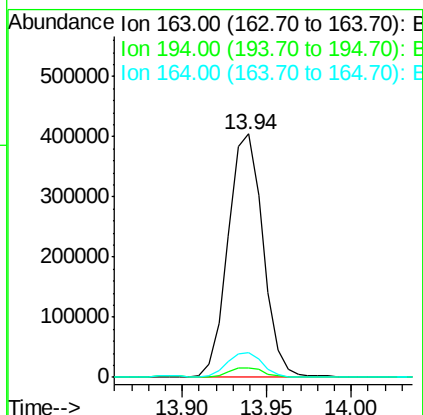
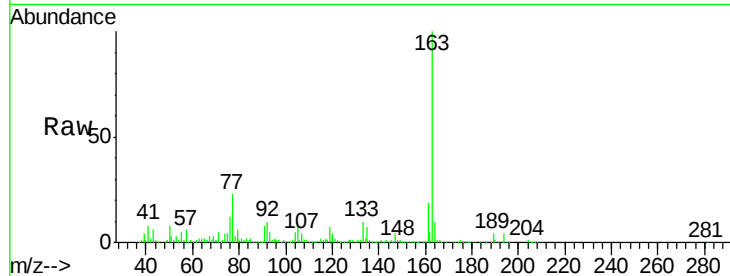
#44
Dimethylphthalate
Concen: 8.17 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BM012118.D
Acq: 13 Oct 2017 02:52

Instrument :
BNA_M
ClientSampleId :
B-69(1-3)-092717

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	577569		
194	3.9		3.5	5.3
164	10.1		8.2	12.4

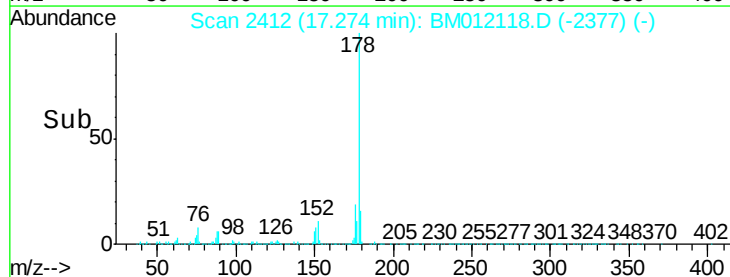
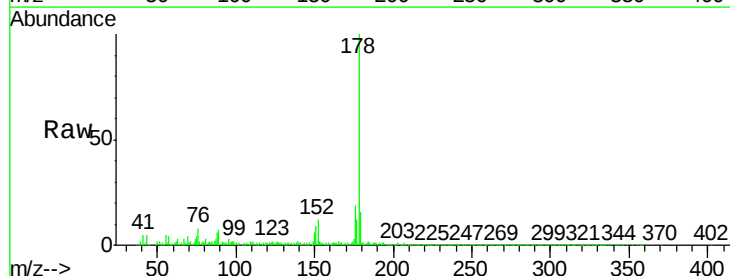
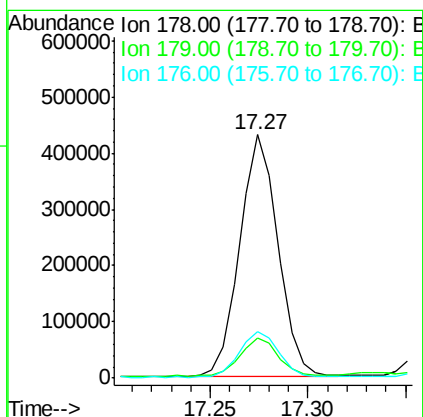
Manual Integrations
APPROVED

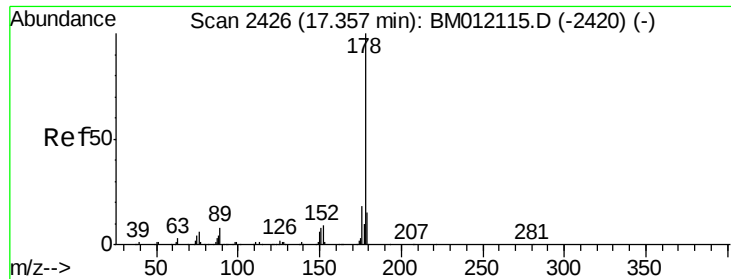
Sohil
10/15/2017 12:36:58 PM



#69
Phenanthrene
Concen: 6.99 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. 0.01 min
Lab File: BM012118.D
Acq: 13 Oct 2017 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	583357		
179	16.4		12.6	19.0
176	19.0		14.9	22.3





#71

Anthracene

Concen: 1.61 ng/ul m

RT: 17.36 min Scan# 2427

Delta R.T. 0.01 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Instrument :

BNA_M

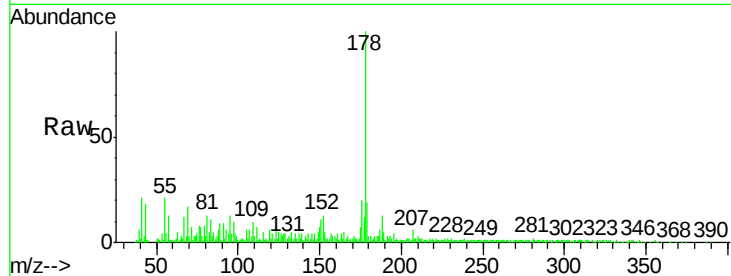
ClientSampled :

B-69(1-3)-092717

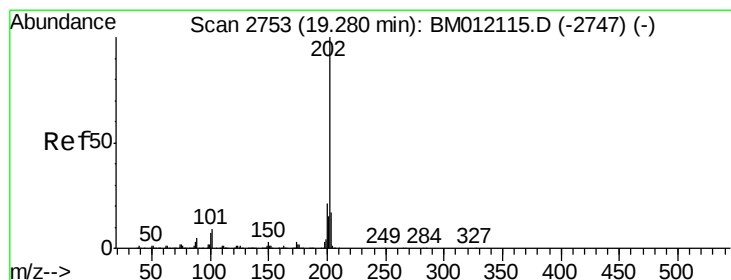
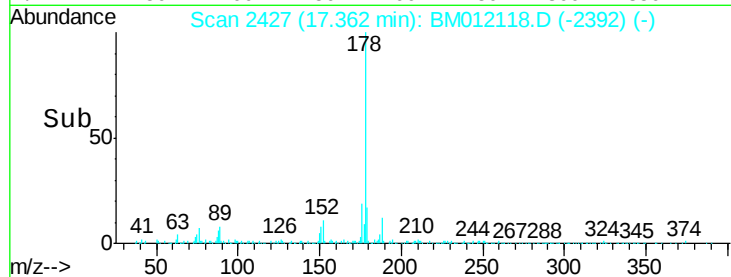
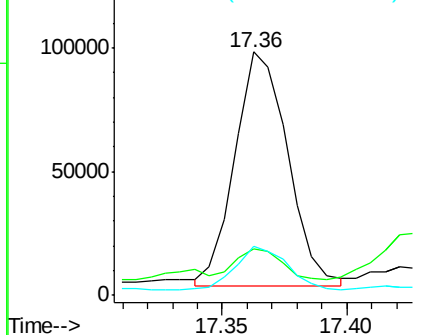
Tgt Ion:	178	Resp:	139294
Ion Ratio	Lower	Upper	
178	100		
179	19.3	11.7	17.5#
176	20.3	14.6	21.8

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:58 PM



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



#74

Fluoranthene

Concen: 13.33 ng/ul

RT: 19.29 min Scan# 2755

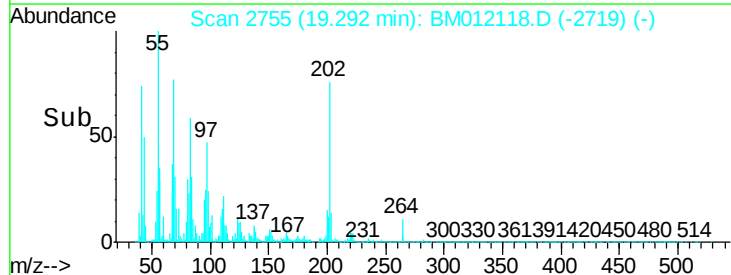
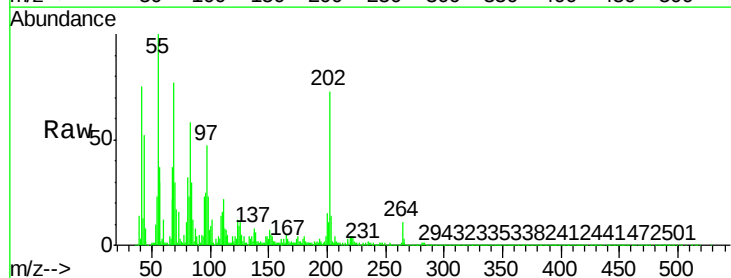
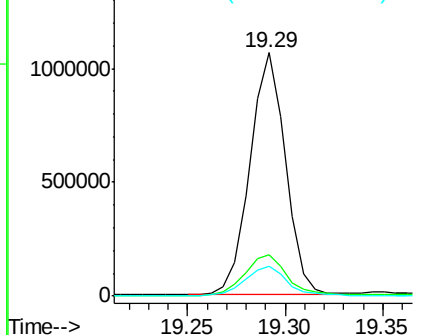
Delta R.T. 0.01 min

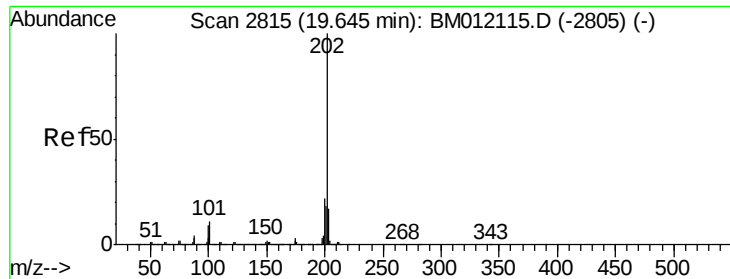
Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Tgt Ion:	202	Resp:	1341684
Ion Ratio	Lower	Upper	
202	100		
101	16.8	4.6	7.0#
100	12.5	3.4	5.2#

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





#77

Pyrene

Concen: 10.90 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Instrument :

BNA_M

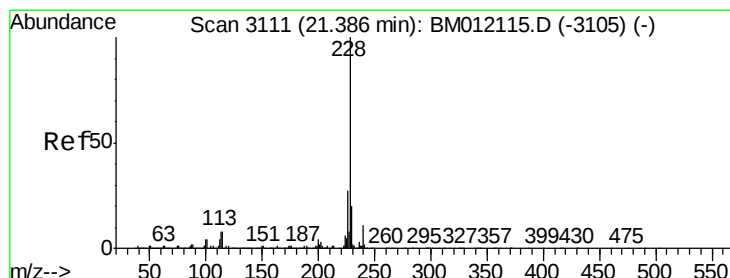
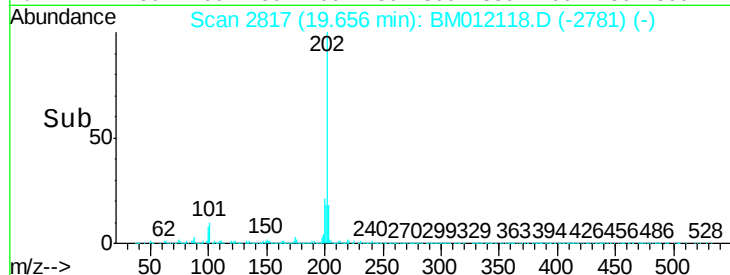
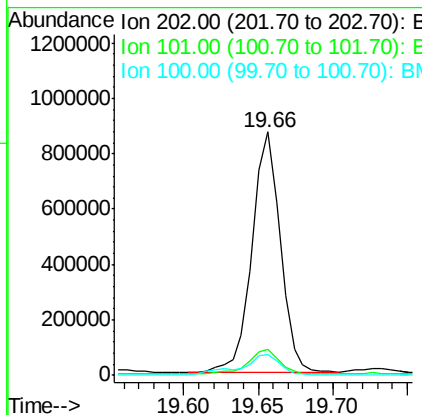
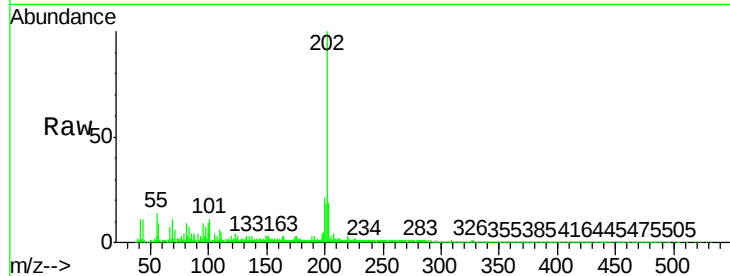
ClientSampleId :

B-69(1-3)-092717

Tgt Ion:	202	Resp:	1144155
Ion Ratio	Lower	Upper	
202	100		
101	10.8	5.1	7.7#
100	8.5	4.9	7.3#

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:58 PM



#80

Benzo(a)anthracene

Concen: 7.24 ng/ul

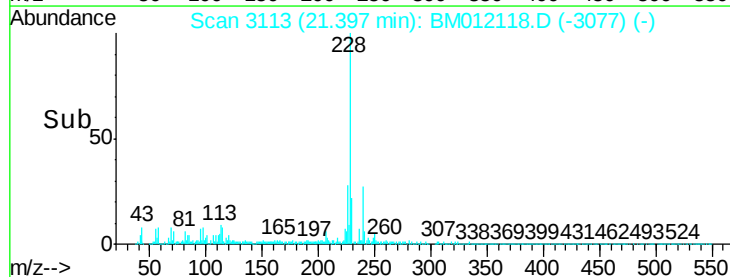
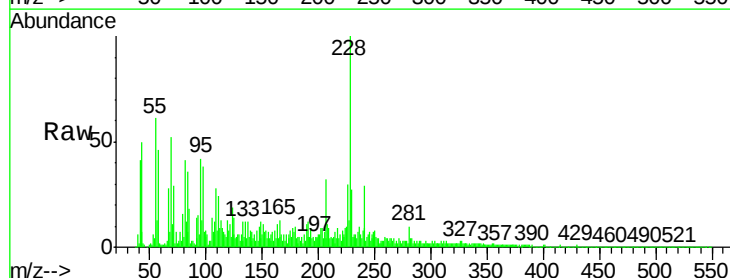
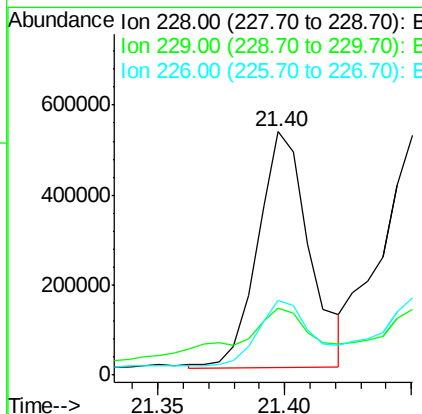
RT: 21.40 min Scan# 3113

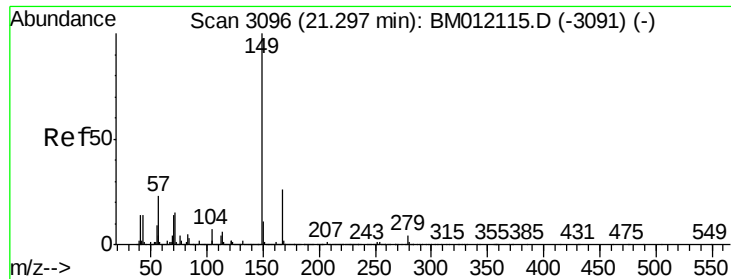
Delta R.T. 0.01 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Tgt Ion:	228	Resp:	748824
Ion Ratio	Lower	Upper	
228	100		
229	27.4	15.4	23.0#
226	30.4	21.4	32.0





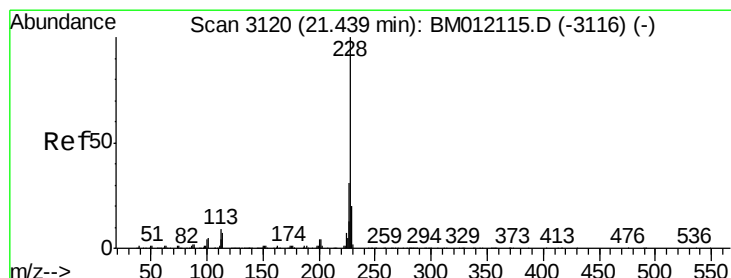
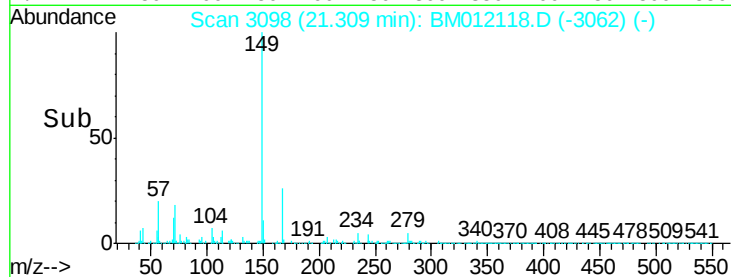
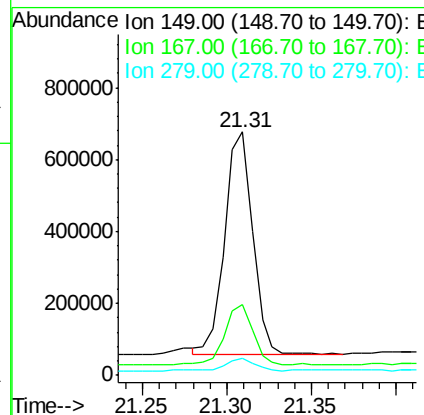
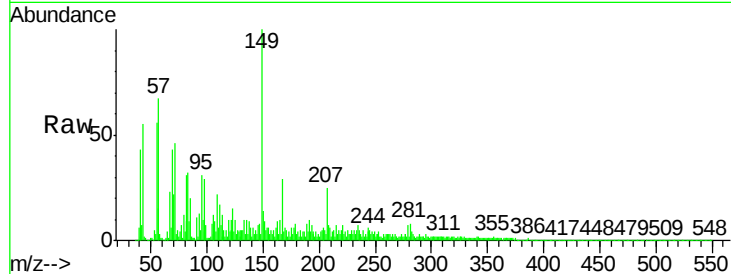
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 10.12 ng/ul
 RT: 21.31 min Scan# 3098
 Delta R.T. 0.01 min
 Lab File: BM012118.D
 Acq: 13 Oct 2017 02:52

Instrument :
 BNA_M
 ClientSampleId :
 B-69(1-3)-092717

Tgt Ion:	149	Resp:	709831
Ion Ratio	Lower	Upper	
149	100		
167	29.1	22.8	34.2
279	6.8	4.9	7.3

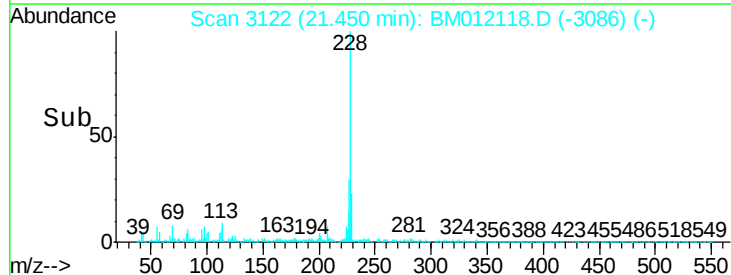
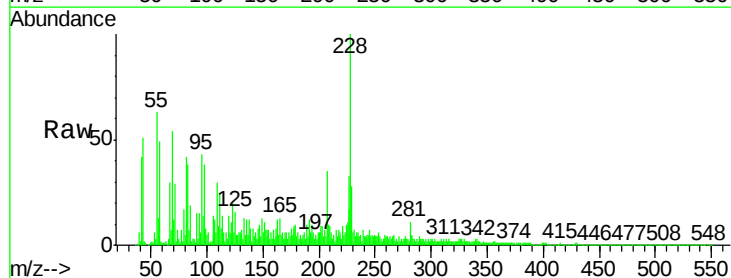
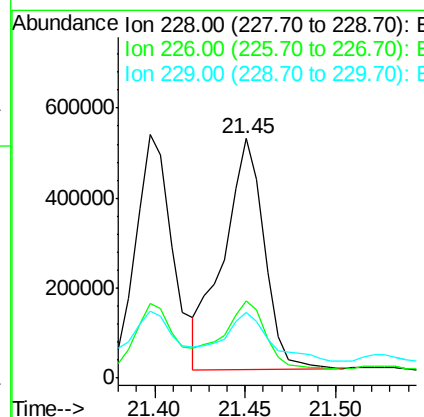
Manual Integrations
 APPROVED

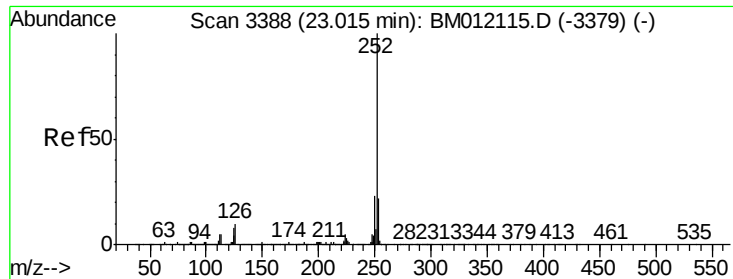
Sohil
 10/15/2017 12:36:58 PM



#82
 Chrysene
 Concen: 8.30 ng/ul
 RT: 21.45 min Scan# 3122
 Delta R.T. 0.01 min
 Lab File: BM012118.D
 Acq: 13 Oct 2017 02:52

Tgt Ion:	228	Resp:	805739
Ion Ratio	Lower	Upper	
228	100		
226	32.5	23.4	35.2
229	27.7	15.5	23.3#





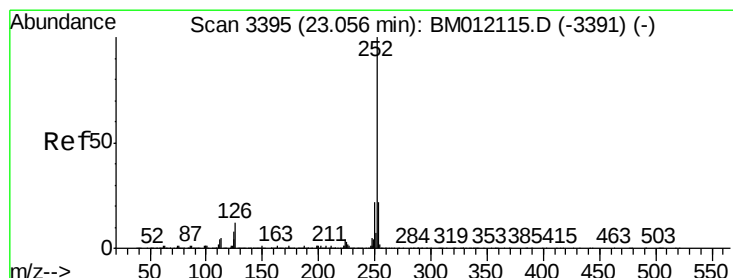
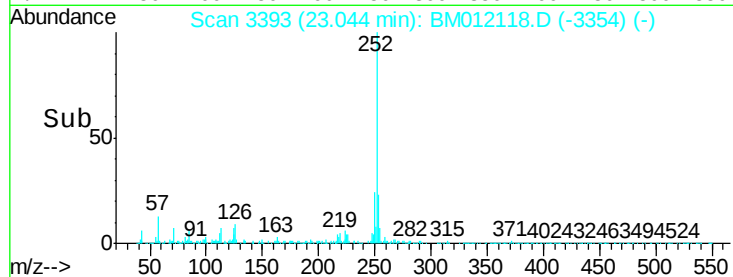
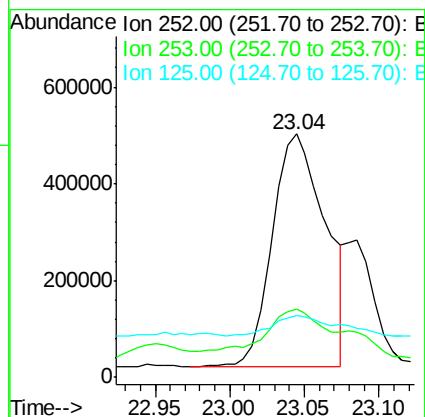
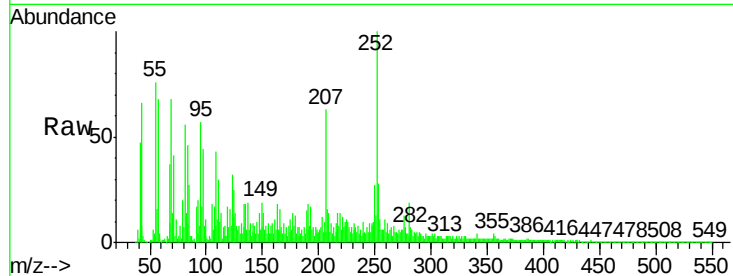
#85
Benzo(b)fluoranthene
Concen: 10.29 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. 0.03 min
Lab File: BM012118.D
Acq: 13 Oct 2017 02:52

Instrument :
BNA_M
ClientSampleId :
B-69(1-3)-092717

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.9	26.9#
125	25.3	3.6	5.4#

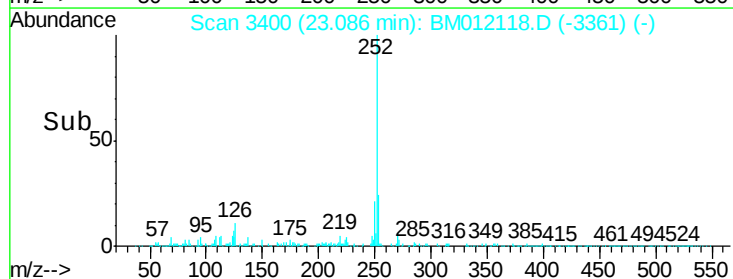
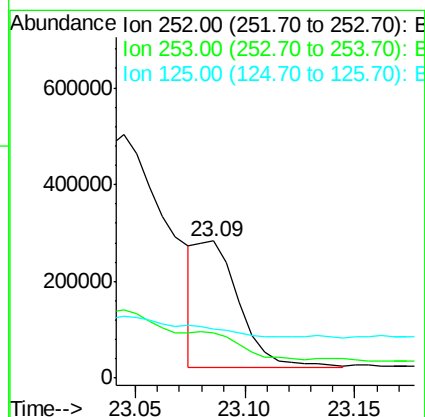
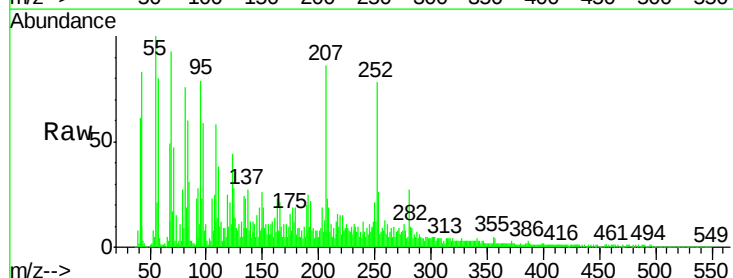
Manual Integrations
APPROVED

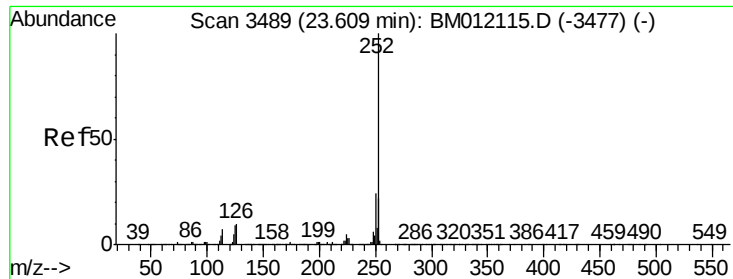
Sohil
10/15/2017 12:36:58 PM



#86
Benzo(k)fluoranthene
Concen: 3.19 ng/ul m
RT: 23.09 min Scan# 3400
Delta R.T. 0.03 min
Lab File: BM012118.D
Acq: 13 Oct 2017 02:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	17.1	25.7#
125	36.2	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 6.81 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.04 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Instrument :

BNA_M

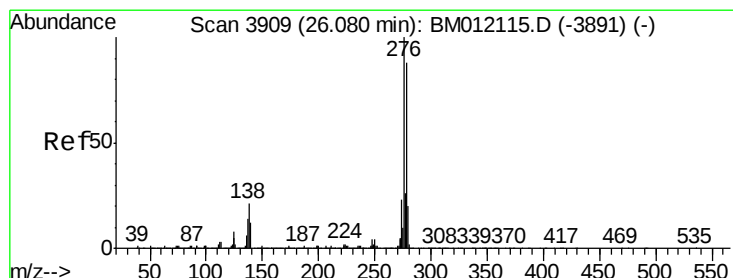
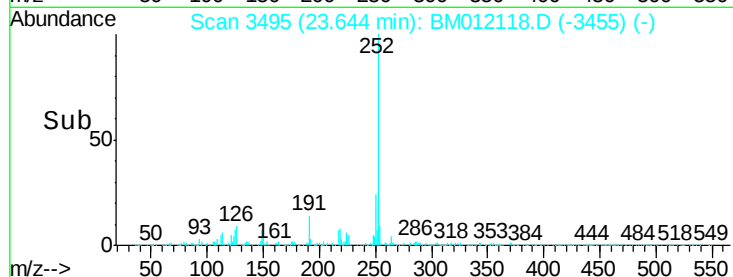
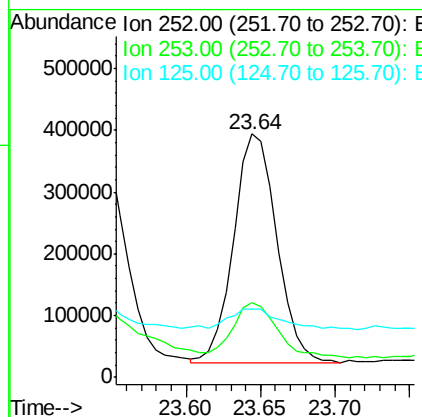
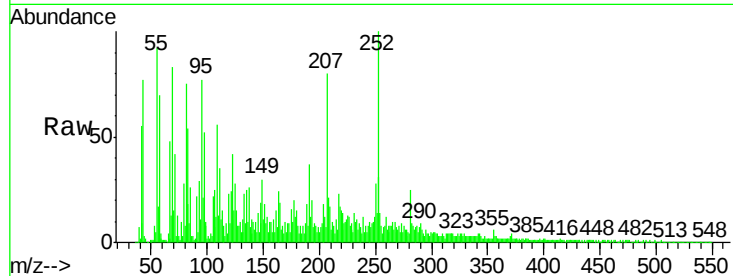
ClientSampleId :

B-69(1-3)-092717

Tgt Ion:	252	Resp:	742910
Ion Ratio	Lower	Upper	
252	100		
253	30.8	18.2	27.2#
125	28.3	4.0	6.0#

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:58 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.79 ng/ul

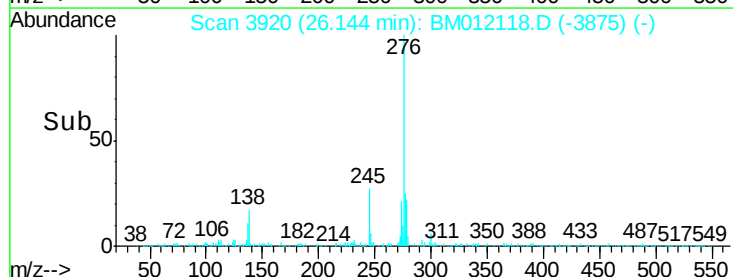
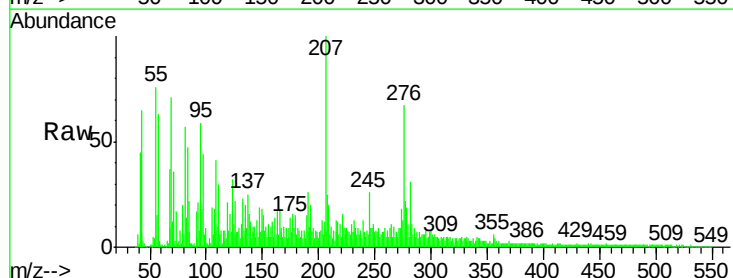
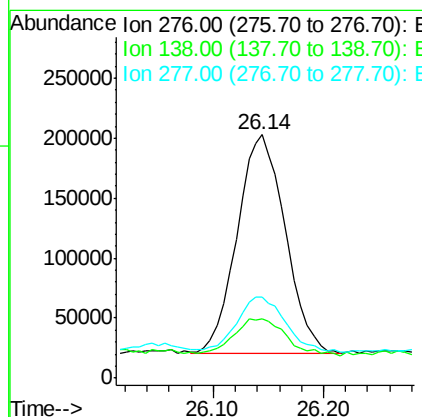
RT: 26.14 min Scan# 3920

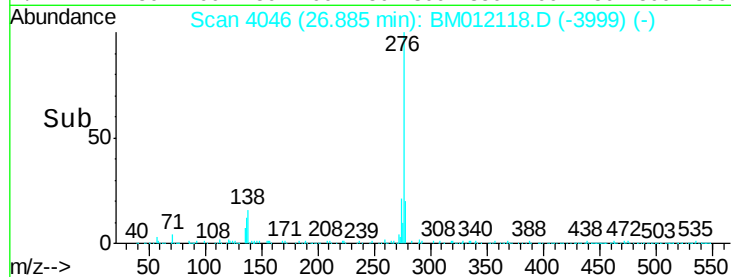
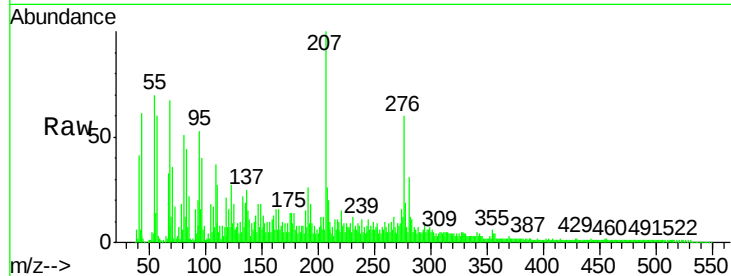
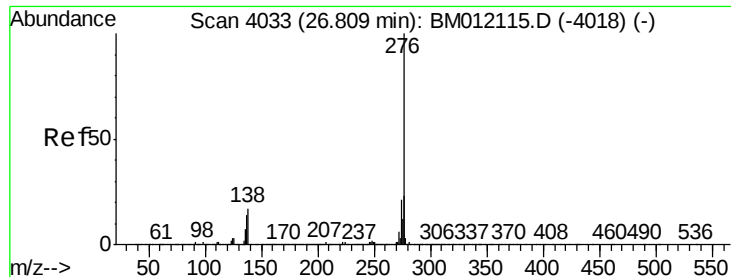
Delta R.T. 0.06 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Tgt Ion:	276	Resp:	554861
Ion Ratio	Lower	Upper	
276	100		
138	24.2	9.3	13.9#
277	33.3	19.9	29.9#





#91

Benzo(g,h,i)perylene

Concen: 5.97 ng/ul

RT: 26.89 min Scan# 4046

Delta R.T. 0.08 min

Lab File: BM012118.D

Acq: 13 Oct 2017 02:52

Instrument :

BNA_M

ClientSampleId :

B-69(1-3)-092717

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
138	25.2	8.5	12.7#		
277	32.2	18.6	28.0#		

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:58 PM

