

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012513.D
 Acq On : 28 Oct 2017 07:51
 Operator : SJ/JU
 Sample : I5786-01 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-38(FILL)_100917

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:30:32 PM

Quant Time: Oct 30 06:46:13 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 30 05:30:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	554447	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1988227	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	1114338	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2416153	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2789467	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	3145980	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	11553	1.06	ng/uL	0.00
5) Phenol-d5	7.04	99	233910	5.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	150715	5.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	183382	5.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	176943	4.47	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	85830	6.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	92809	7.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	180343	5.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	59076	1.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	533542	5.48	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	657645	5.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	61518	4.25	ng/ul	0.00
57) Fluorene-d10	15.49	176	458701	5.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	36482	3.12	ng/ul	0.00
70) Anthracene-d10	17.34	188	702127	6.10	ng/ul	0.00
76) Pyrene-d10	19.63	212	772316	6.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	880298	5.89	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.06	94	56236	1.166	ng/ul#	85
28) Naphthalene	10.71	128	118122	1.198	ng/ul	98
44) Dimethylphthalate	13.95	163	111834	1.161	ng/ul	98
47) Acenaphthylene	14.22	152	357122	3.250	ng/ul	98
49) Acenaphthene	14.56	153	144854	1.924	ng/ul	98
53) Dibenzofuran	14.90	168	145524	1.306	ng/ul	98
58) Fluorene	15.55	166	189687	2.013	ng/ul	99
69) Phenanthrene	17.29	178	3672291	28.105	ng/ul	99
71) Anthracene	17.37	178	966059	7.153	ng/ul	99
72) Carbazole	17.64	167	391674	3.501	ng/ul	100
73) Di-n-butylphthalate	18.20	149	341209	2.392	ng/ul	97
74) Fluoranthene	19.30	202	7783168	52.569	ng/ul#	93
77) Pyrene	19.66	202	6811616	42.941	ng/ul#	91
80) Benzo(a)anthracene	21.40	228	4476611	26.800	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.33	149	11268234	118.507	ng/ul#	84
82) Chrysene	21.45	228	3992179	26.881	ng/ul	96
85) Benzo(b)fluoranthene	23.03	252	6255715	32.167	ng/ul#	97
86) Benzo(k)fluoranthene	23.07	252	2172294m	11.868	ng/ul	
88) Benzo(a)pyrene	23.62	252	4447947	23.989	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.07	276	3498112	16.030	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.07	278	934222	5.050	ng/ul#	89
91) Benzo(a,h,i)perylene	26.79	276	2733998	15.459	ng/ul#	94

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Misc :
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B-38(FILL)_100917

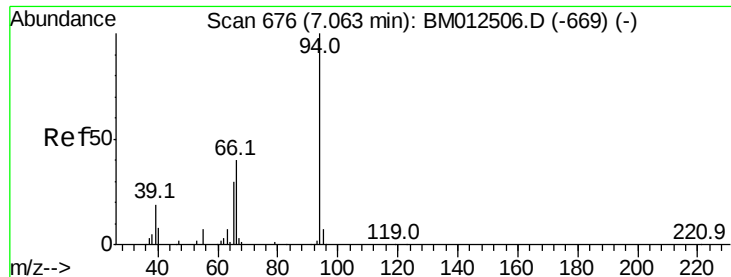
Manual Integrations
APPROVED

Sohil
10/30/2017 6:30:32 PM

Quant Time: Oct 30 06:46:13 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 30 05:30:34 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 1.166 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

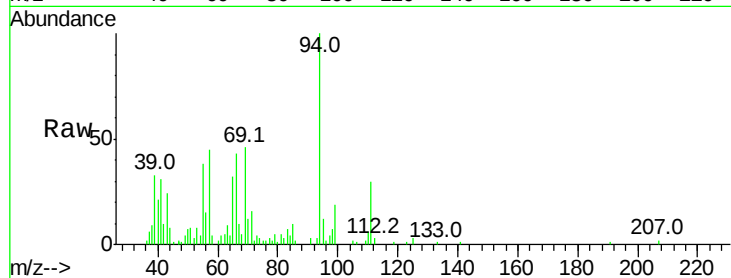
ClientSampleId :

B-38(FILL)_100917

Tot Ion	94	Resp	56236
Ion Ratio	Lower	Upper	
94	100		
65	32.3	28.2	42.4
66	43.3	47.2	70.8#

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): BM012506.D (-669) (-)

Ion 65.00 (64.70 to 65.70): BM012506.D (-669) (-)

Ion 66.00 (65.70 to 66.70): BM012506.D (-669) (-)

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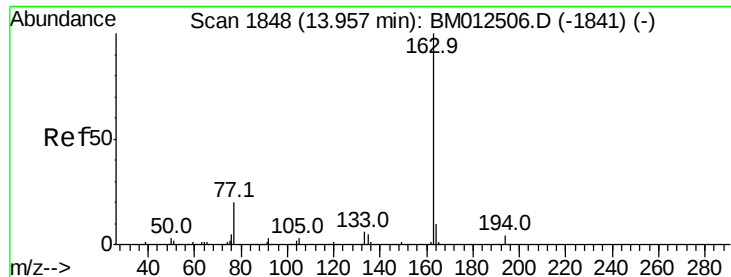
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#44

Dimethylphthalate

Concen: 1.161 ng/ul

RT: 13.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

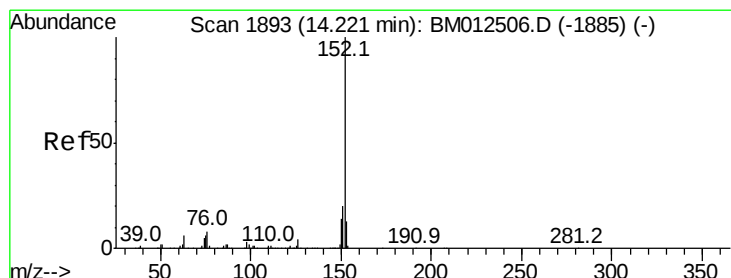
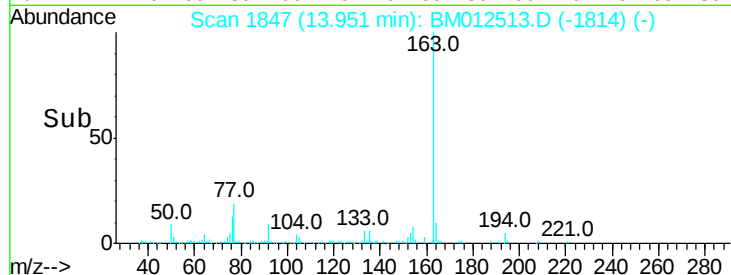
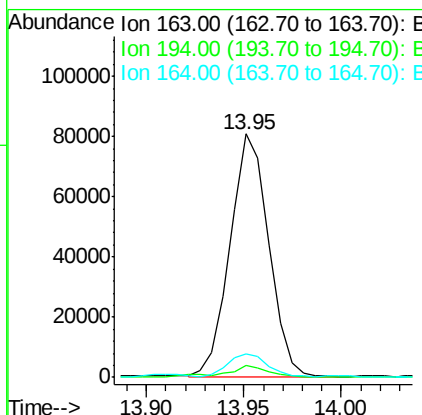
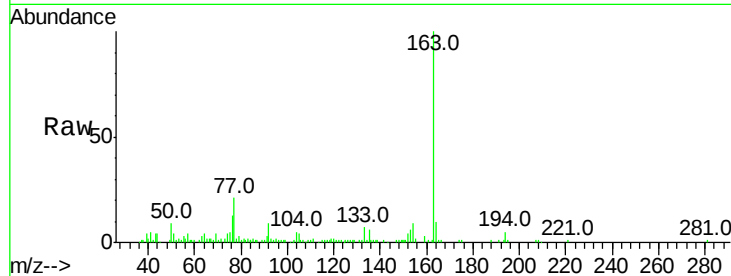
ClientSampleId :

B-38(FILL)_100917

Tot Ion:	163	Resp:	111834
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.5	5.3
164	9.7	8.2	12.4

Manual Integrations
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#47

Acenaphthylene

Concen: 3.250 ng/ul

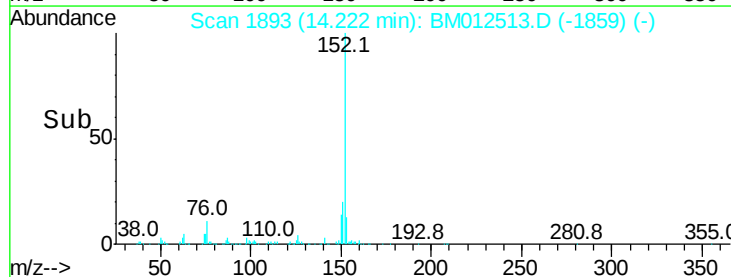
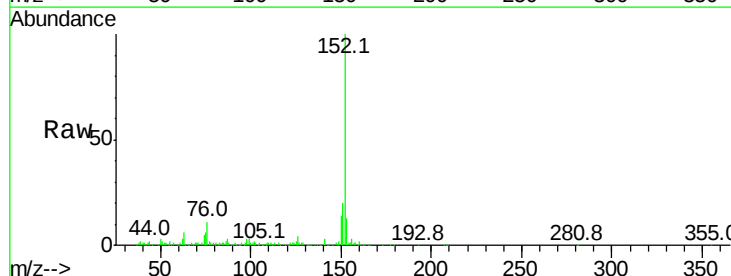
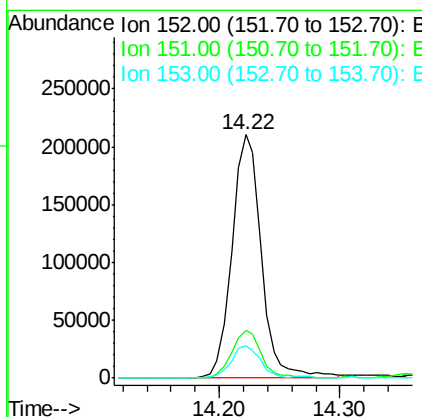
RT: 14.22 min Scan# 1893

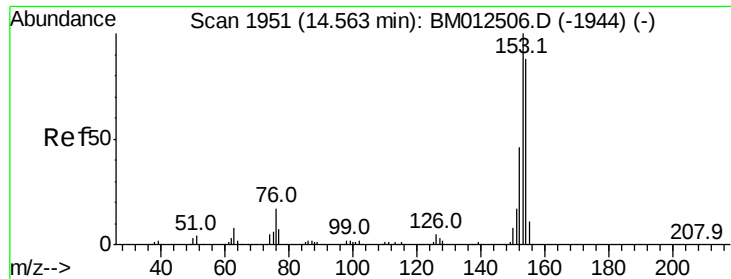
Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Tgt Ion:	152	Resp:	357122
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	13.3	10.2	15.4





#49

Acenaphthene

Concen: 1.924 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

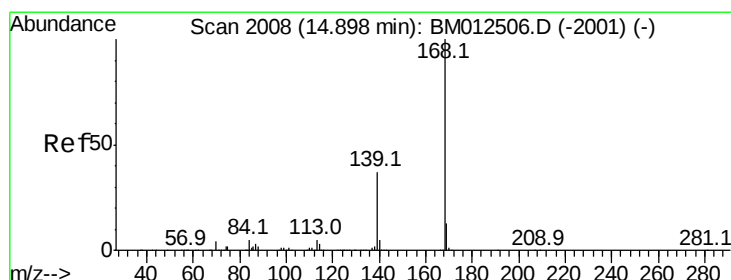
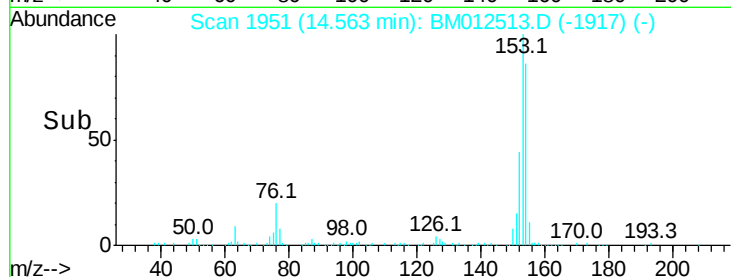
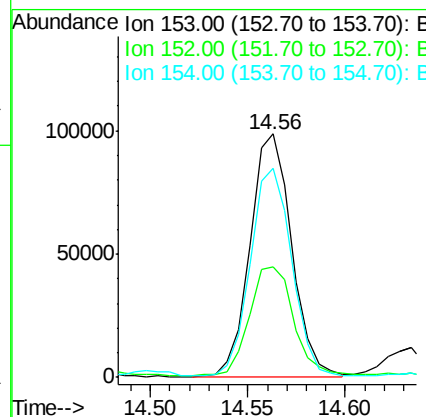
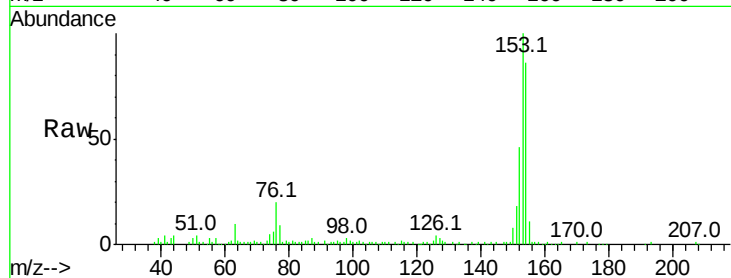
ClientSampleId :

B-38(FILL)_100917

Tot Ion:	153	Resp:	144854
Ion Ratio	Lower	Upper	
153	100		
152	45.6	37.6	56.4
154	86.0	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 1.306 ng/ul

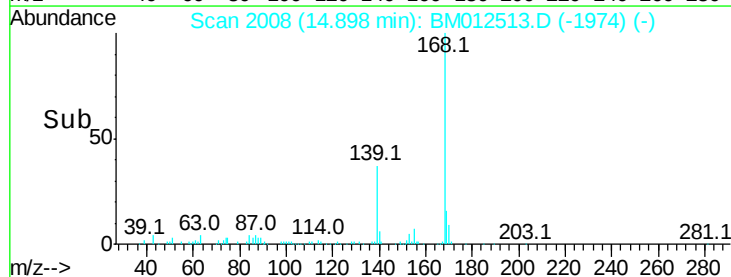
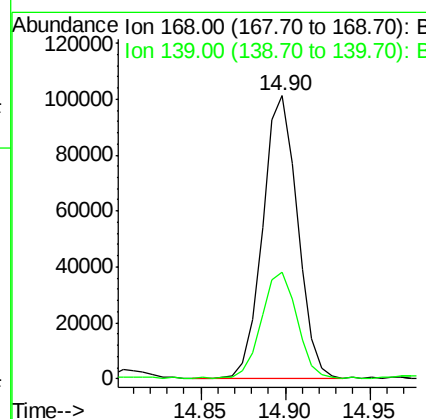
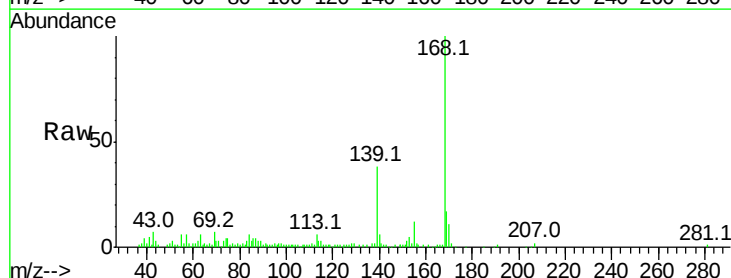
RT: 14.90 min Scan# 2008

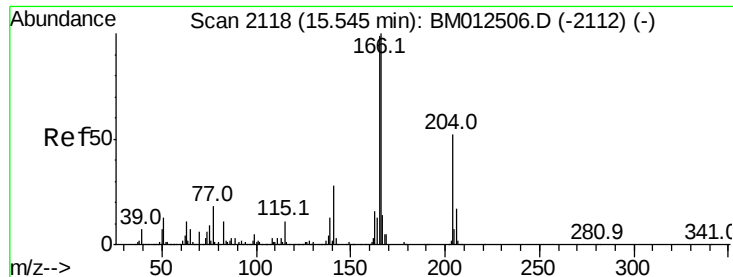
Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Tgt Ion:	168	Resp:	145524
Ion Ratio	Lower	Upper	
168	100		
139	37.6	30.8	46.2





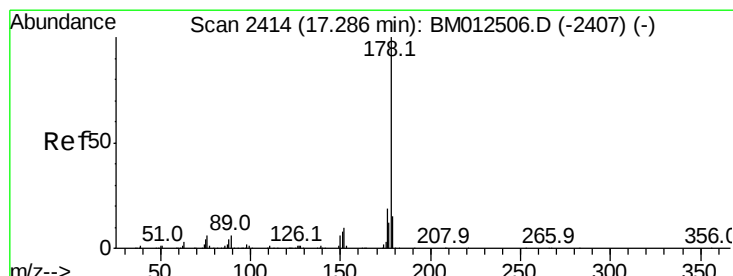
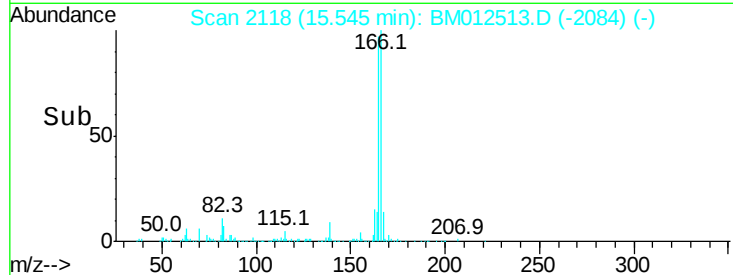
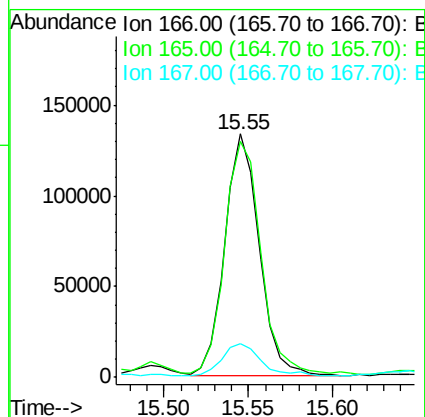
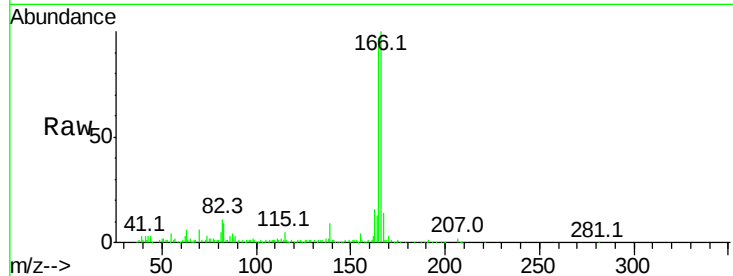
#58
 Fluorene
 Concen: 2.013 ng/ul
 RT: 15.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BM012513.D
 Acq: 28 Oct 2017 07:51

Instrument :
 BNA_M
 ClientSampleId :
 B-38(FILL)_100917

Tot Ion	Ratio	Resp	Lower	Upper
166	100	189687		
165	96.9		77.9	116.9
167	14.1		10.6	16.0

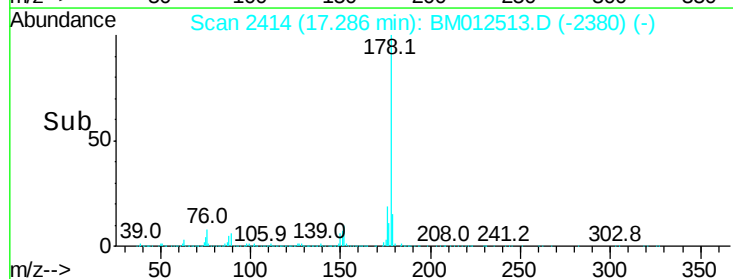
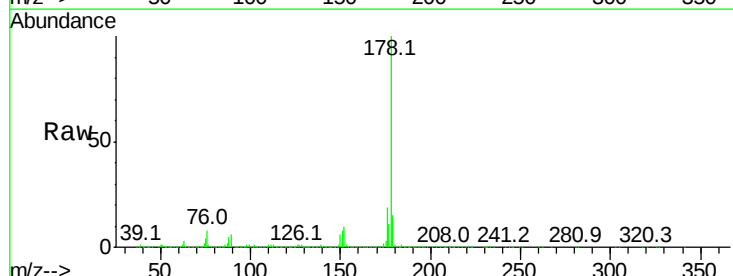
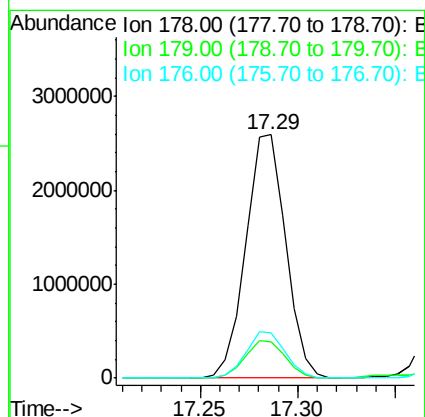
Manual Integrations
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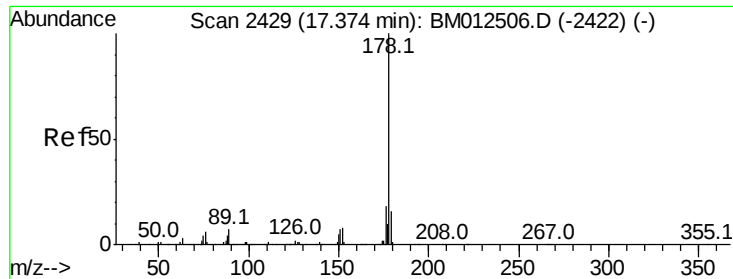
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 10/30/2017 6:30:32 PM



#69
 Phenanthrene
 Concen: 28.105 ng/ul
 RT: 17.29 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BM012513.D
 Acq: 28 Oct 2017 07:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3672291		
179	15.1		12.6	19.0
176	18.6		14.9	22.3





#71

Anthracene

Concen: 7.153 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

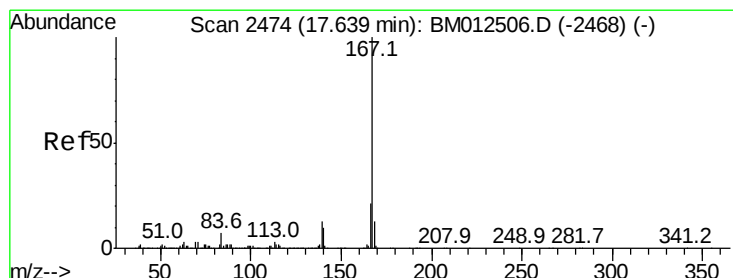
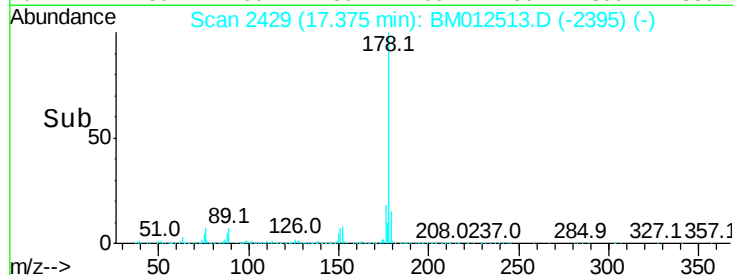
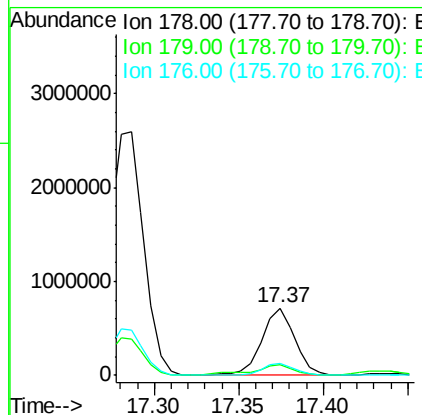
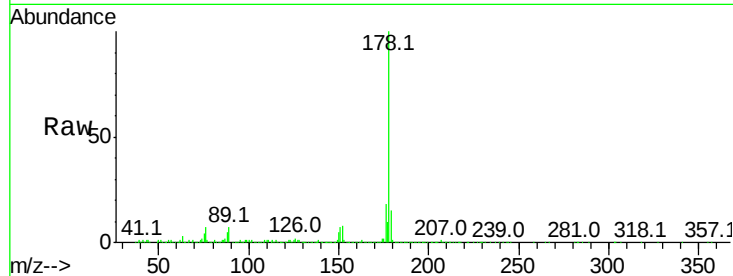
ClientSampleId :

B-38(FILL)_100917

Tot Ion:	178	Resp:	966059
Ion Ratio	Lower	Upper	
178	100		
179	15.1	11.7	17.5
176	17.9	14.6	21.8

Manual Integrations
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#72

Carbazole

Concen: 3.501 ng/ul

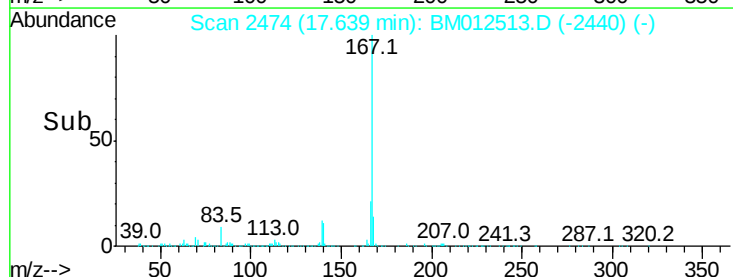
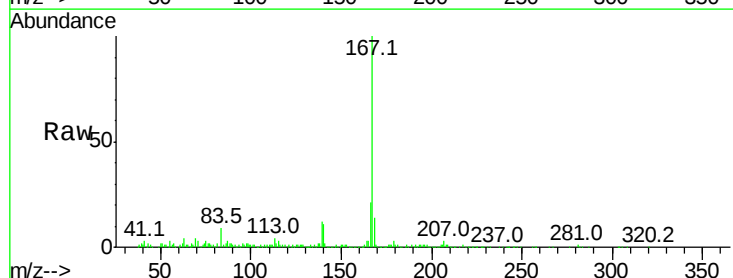
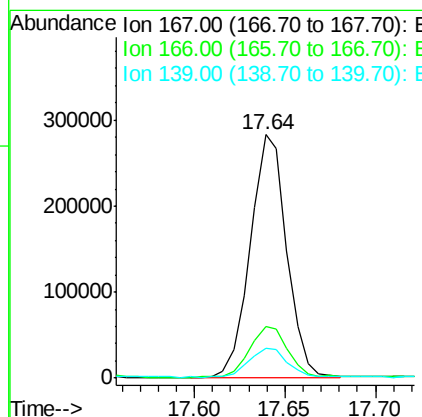
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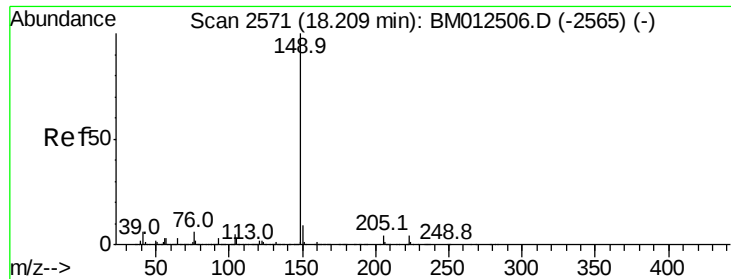
Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Tgt Ion:	167	Resp:	391674
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.1	25.7
139	12.4	10.0	15.0





#73

Di-n-butylphthalate

Concen: 2.392 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

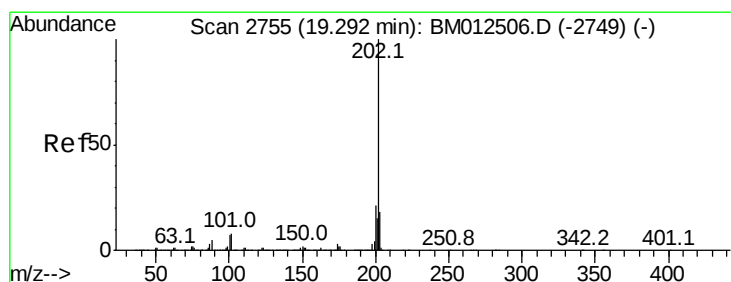
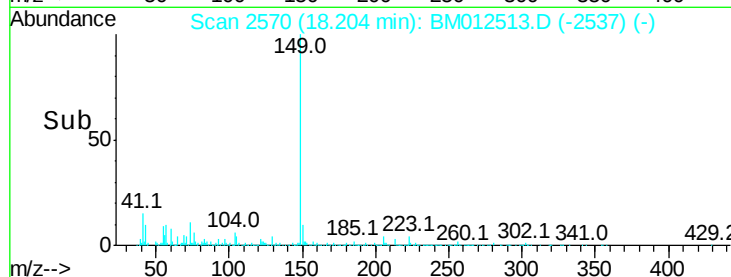
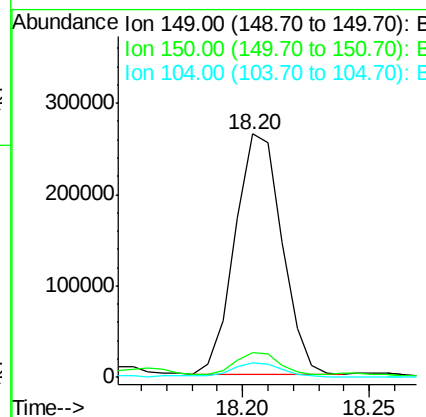
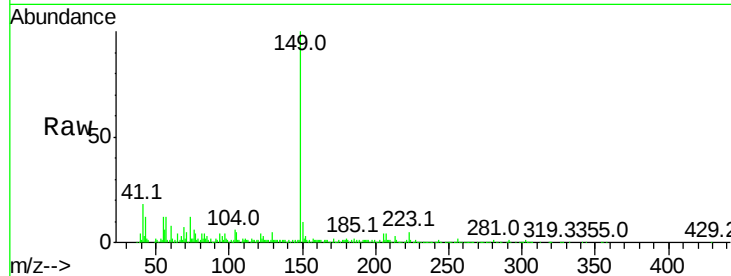
ClientSampleId :

B-38(FILL)_100917

Tot Ion:	149	Resp:	341209
Ion Ratio	Lower	Upper	
149	100		
150	10.3	7.1	10.7
104	6.1	5.6	8.4

Manual Integrations
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#74

Fluoranthene

Concen: 52.569 ng/ul

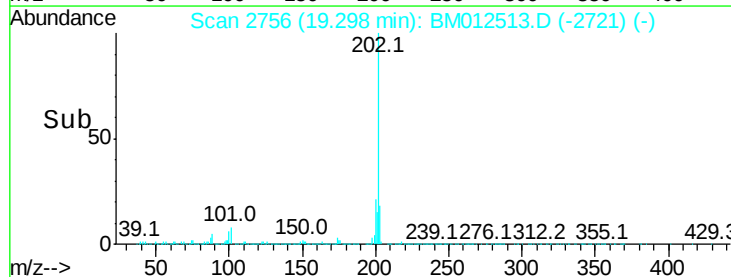
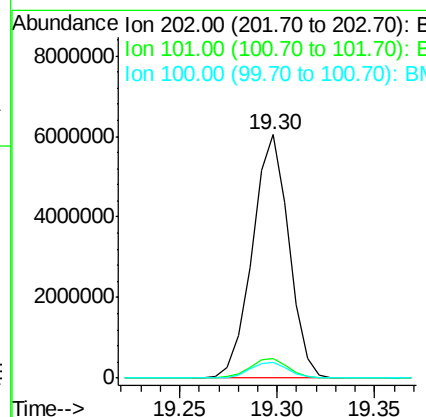
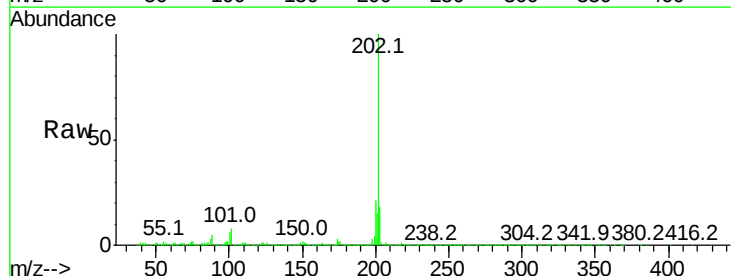
RT: 19.30 min Scan# 2756

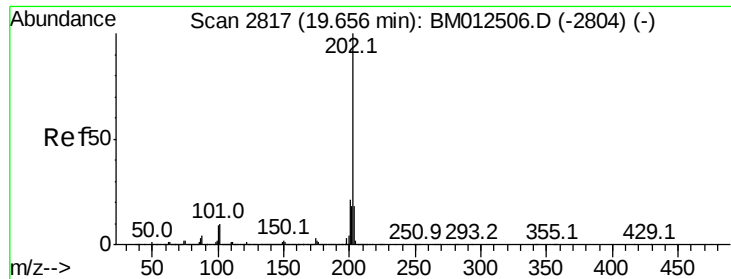
Delta R.T. 0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Tgt Ion:	202	Resp:	7783168
Ion Ratio	Lower	Upper	
202	100		
101	8.2	4.6	7.0#
100	6.4	3.4	5.2#





#77

Pvrene

Concen: 42.941 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampleId :

B-38(FILL)_100917

Tot Ion:202 Resp: 6811616

Ion Ratio Lower Upper

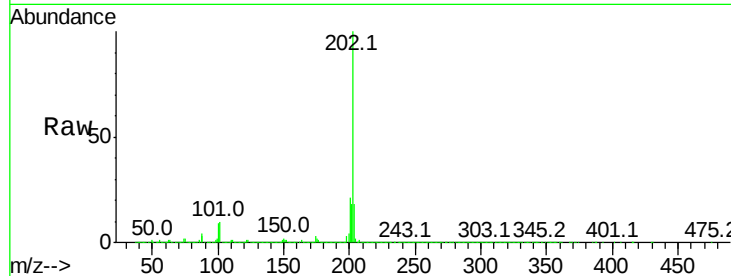
202 100

101 10.1 5.1 7.7#

100 8.6 4.9 7.3#

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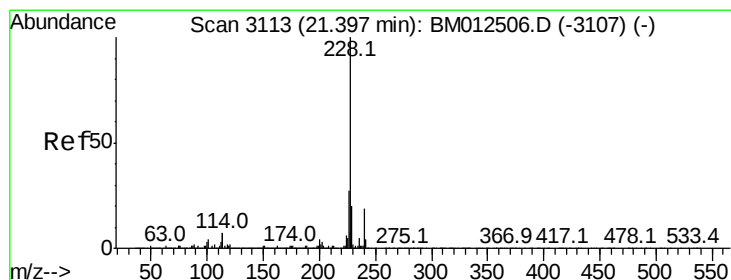
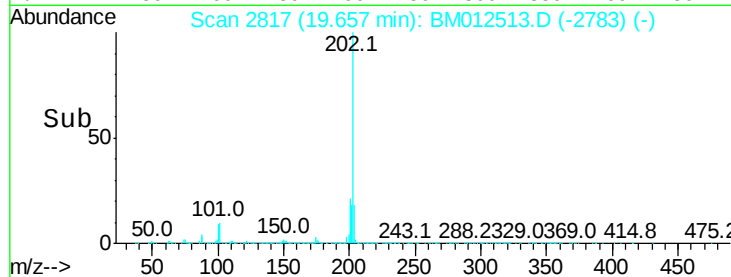
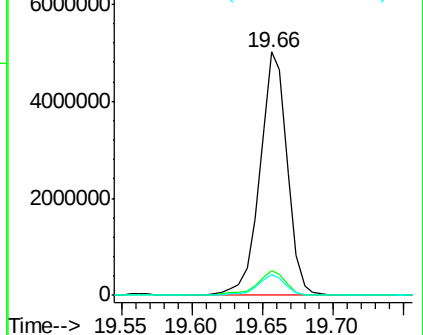
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 26.800 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

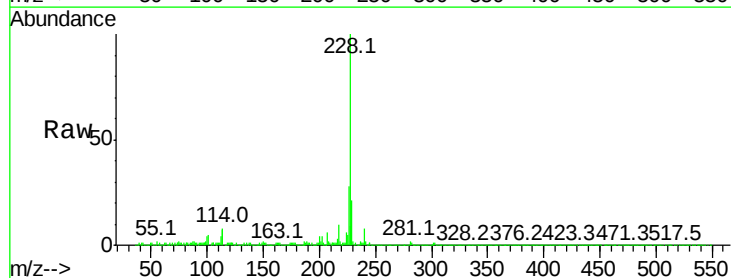
Tgt Ion:228 Resp: 4476611

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

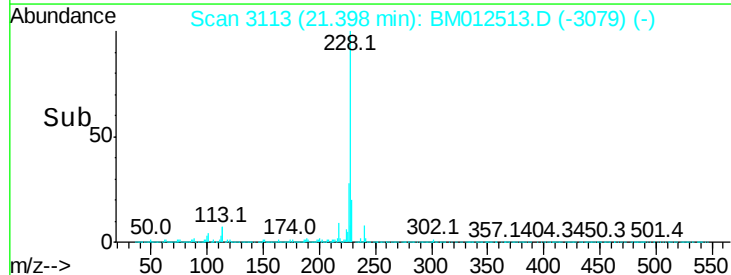
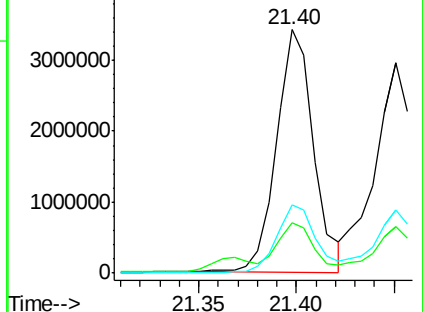
226 27.9 21.4 32.0

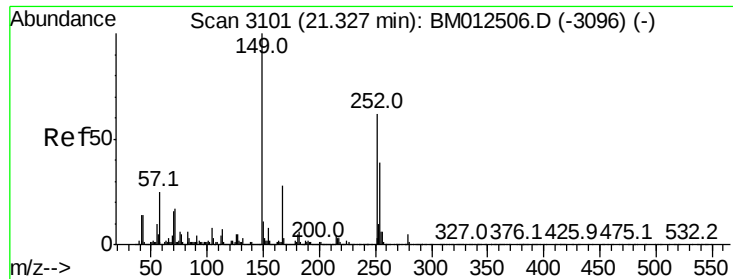


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 118.507 ng/ul

RT: 21.33 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampleId :

B-38(FILL)_100917

Tot Ion:149 Resp:11268234

Ion Ratio Lower Upper

149 100

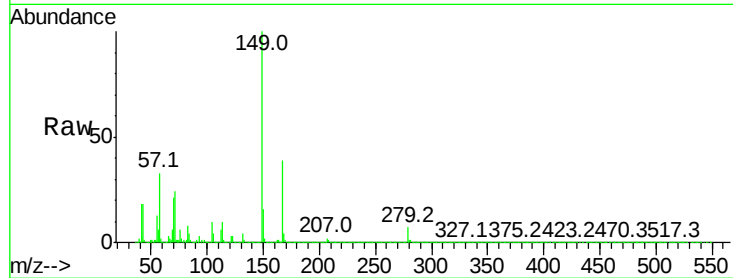
167 38.7 22.8 34.2#

279 6.9 4.9 7.3

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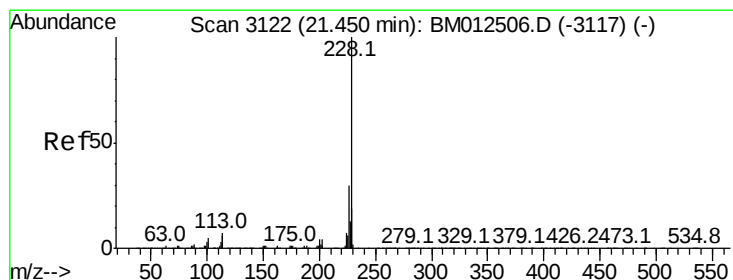
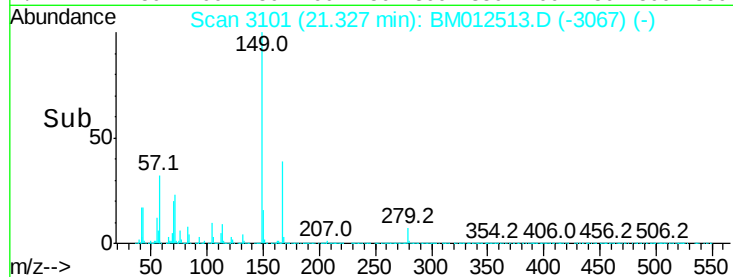
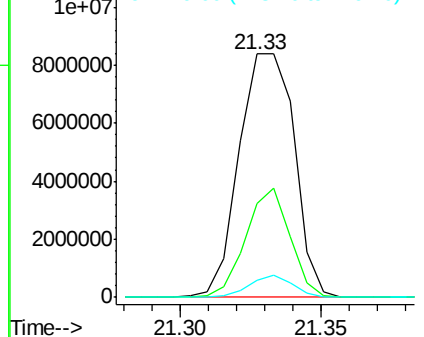
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 26.881 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

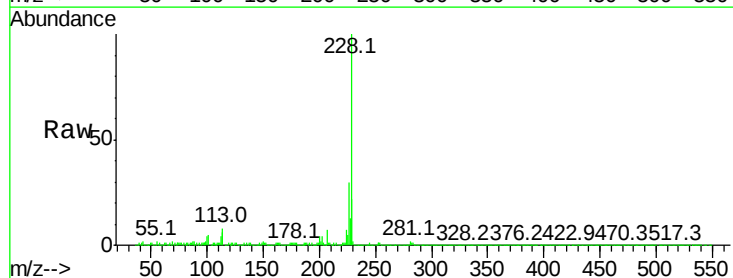
Tgt Ion:228 Resp: 3992179

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

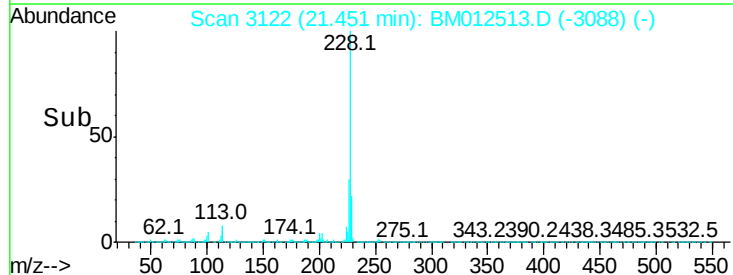
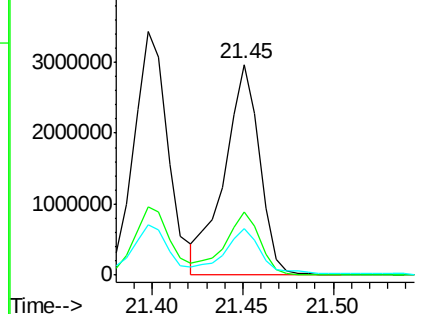
229 22.4 15.5 23.3

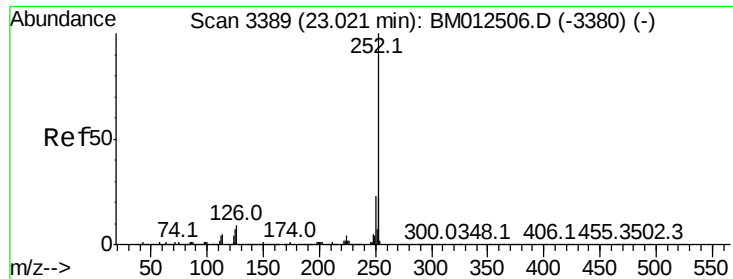


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 32.167 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :
BNA_M

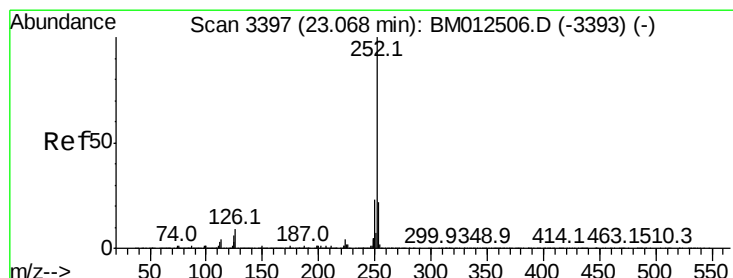
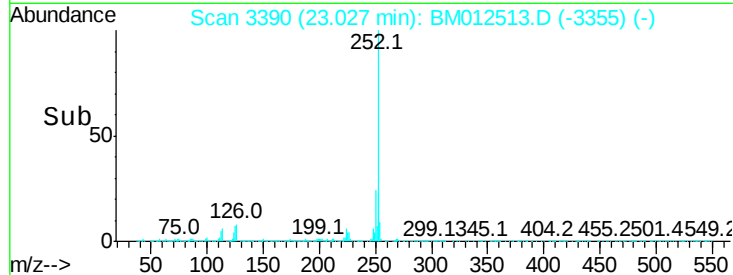
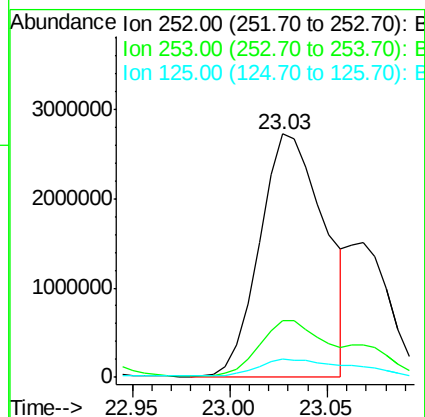
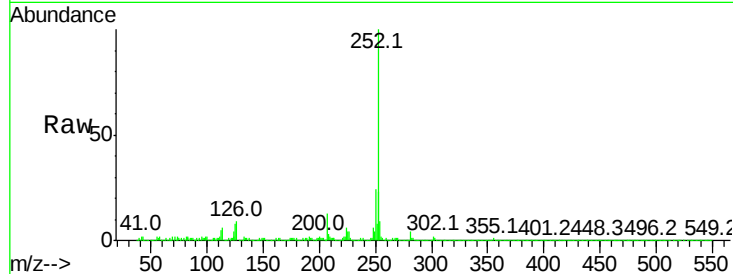
ClientSampleId :
B-38(FILL)_100917

Tot Ion:252 Resp: 6255715

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	7.6	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 11.868 ng/ul m

RT: 23.07 min Scan# 3397

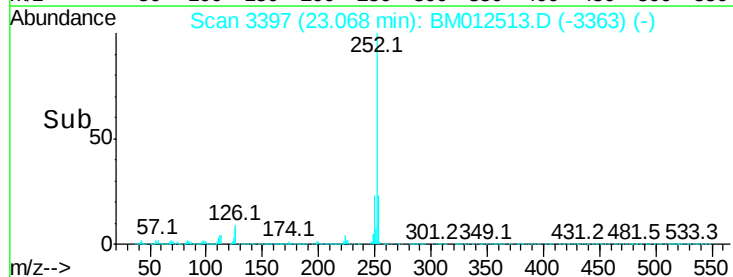
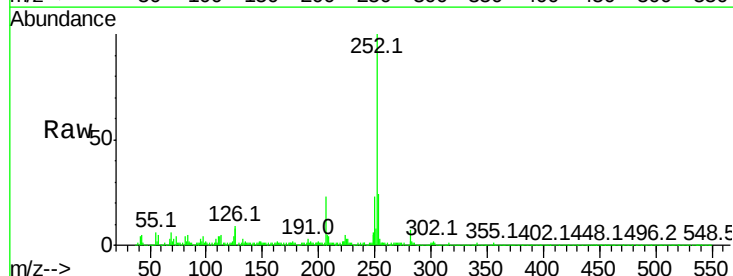
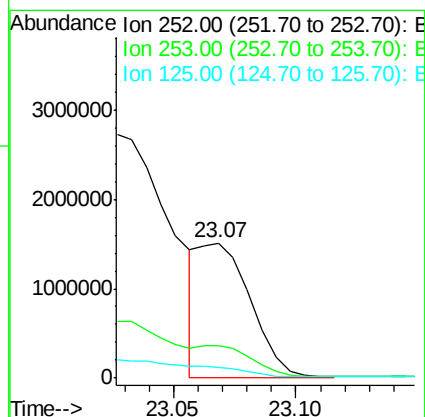
Delta R.T. 0.00 min

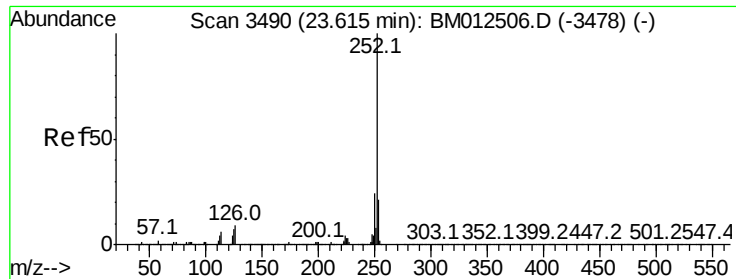
Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Tgt Ion:252 Resp: 2172294

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	8.1	3.4	5.2#





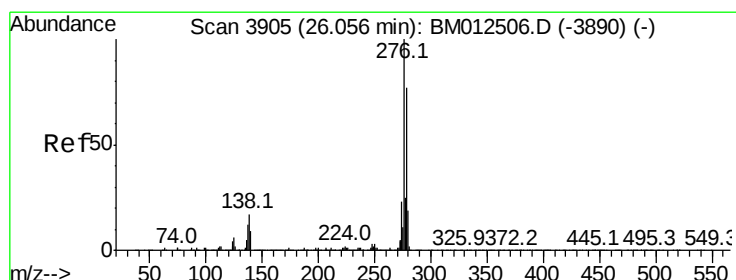
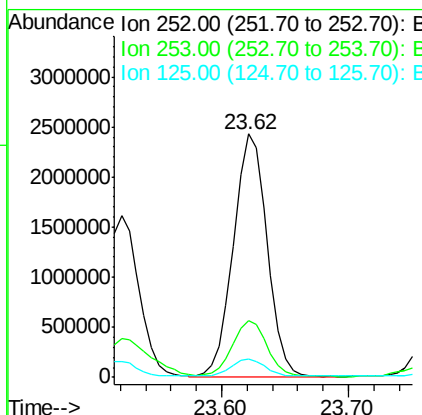
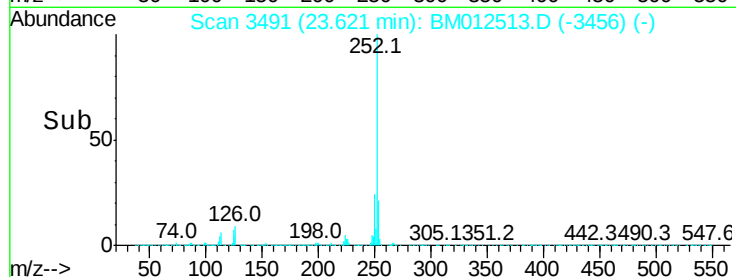
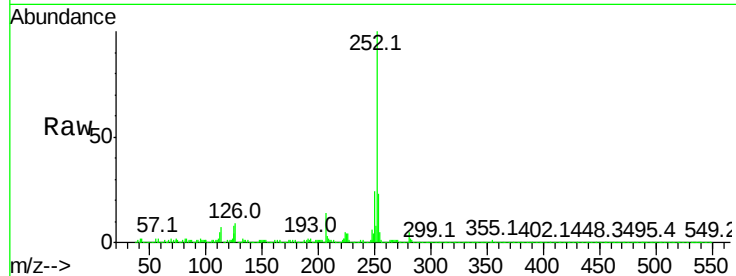
#88
Benzo(a)pyrene
Concen: 23.989 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

Instrument :
BNA_M
ClientSampleId :
B-38(FILL)_100917

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	7.7	4.0	6.0

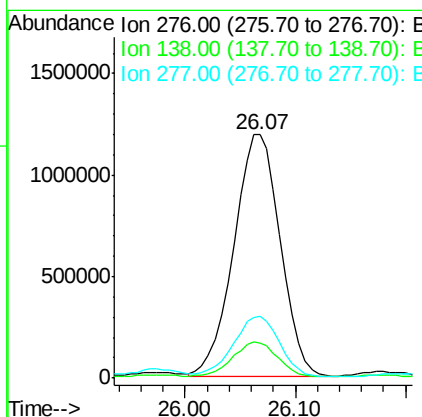
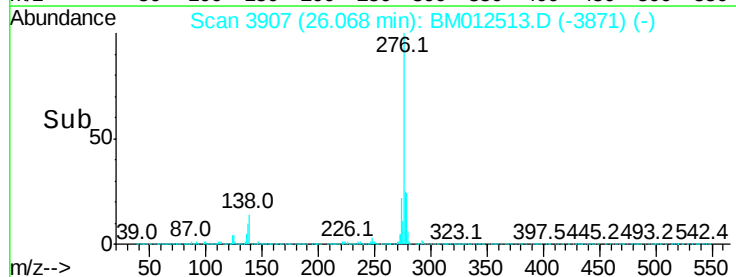
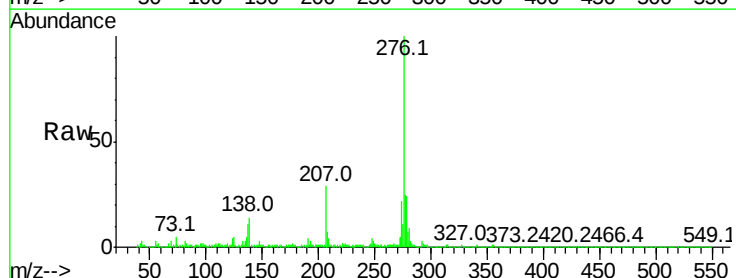
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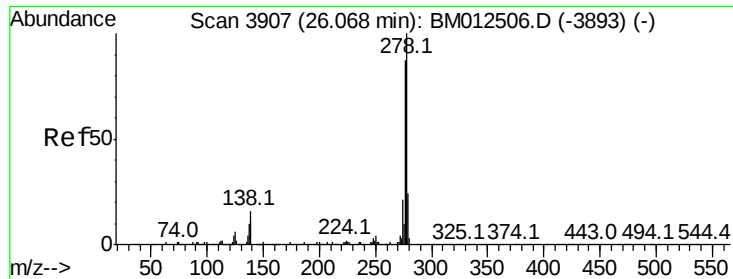
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#89
Indeno(1,2,3-cd)pyrene
Concen: 16.030 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.01 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	9.3	13.9
277	25.5	19.9	29.9





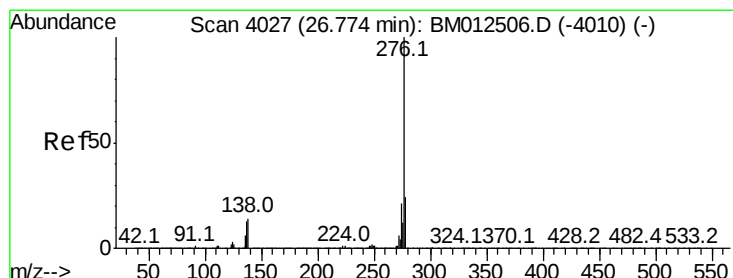
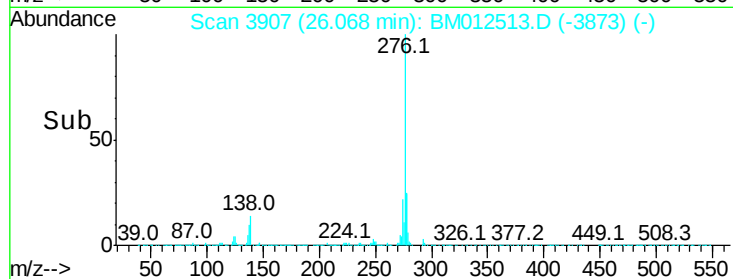
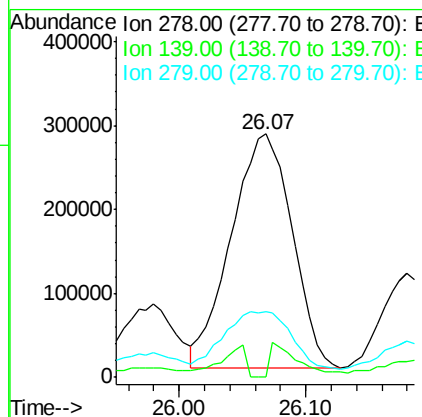
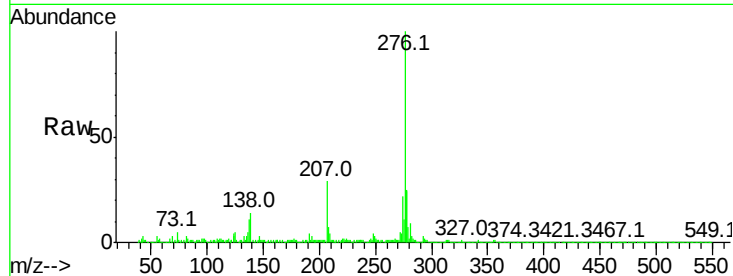
#90
Dibenzo(a,h)anthracene
Concen: 5.050 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.00 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

Instrument :
BNA_M
ClientSampleId :
B-38(FILL)_100917

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	27.1	18.6	27.8

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#91
Benzo(g,h,i)perylene
Concen: 15.459 ng/ul
RT: 26.79 min Scan# 4029
Delta R.T. 0.01 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	8.5	12.7#
277	24.8	18.6	28.0

