

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
 Data File : BM012768.D
 Acq On : 06 Nov 2017 08:45
 Operator : SJ/JU
 Sample : I5902-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-12(1-3)-101317

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:06 PM

Quant Time: Nov 07 03:37:19 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	208306	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	819589	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	438774	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	762682	20.00	ng/ul	0.01
77) Chrysene-d12	21.39	240	796382	20.00	ng/ul	0.01
85) Perylene-d12	23.68	264	909214	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	20770	5.39	ng/uL	0.00
5) Phenol-d5	7.00	99	460116	29.69	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	257468	30.65	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	410544	31.80	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	352670	26.36	ng/ul	0.01
19) Nitrobenzene-d5	8.98	128	203999	33.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	223328	32.23	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	439134	30.91	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	237951	17.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	1266272	34.87	ng/ul	0.01
46) Acenaphthylene-d8	14.15	160	1516463	33.77	ng/ul	0.01
51) 4-Nitrophenol-d4	14.69	143	115032	19.77	ng/ul	0.02
57) Fluorene-d10	15.45	176	970717	31.21	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.59	200	22735	4.52	ng/ul	0.02
70) Anthracene-d10	17.30	188	1183905	32.13	ng/ul	0.01
78) Pyrene-d10	19.60	212	1209299	32.72	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	1445047	33.61	ng/ul	0.03

Target Compounds

					Qvalue	
6) Phenol	7.03	94	74861	4.705	ng/ul	97
28) Naphthalene	10.66	128	103731	2.532	ng/ul	97
34) 2-Methylnaphthalene	12.27	142	44084	1.408	ng/ul	98
44) Dimethylphthalate	13.92	163	613315	17.022	ng/ul	99
60) 4-Nitroaniline	15.53	138	12147	1.716	ng/ul	93
69) Phenanthrene	17.24	178	257635	6.180	ng/ul	99
76) Fluoranthene	19.26	202	386708m	7.720	ng/ul	
79) Pyrene	19.63	202	364749	7.677	ng/ul#	91
82) Benzo(a)anthracene	21.37	228	303087	6.289	ng/ul#	93
84) Chrysene	21.42	228	355012	8.129	ng/ul#	95
87) Benzo(b)fluoranthene	22.99	252	608719	10.955	ng/ul	98
88) Benzo(k)fluoranthene	23.03	252	172913m	3.274	ng/ul	
90) Benzo(a)pyrene	23.58	252	367356	6.948	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	26.01	276	344960	5.414	ng/ul#	86
92) Dibenzo(a,h)anthracene	26.01	278	97451	1.807	ng/ul#	79
93) Benzo(g,h,i)perylene	26.73	276	313026	5.962	ng/ul#	89

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

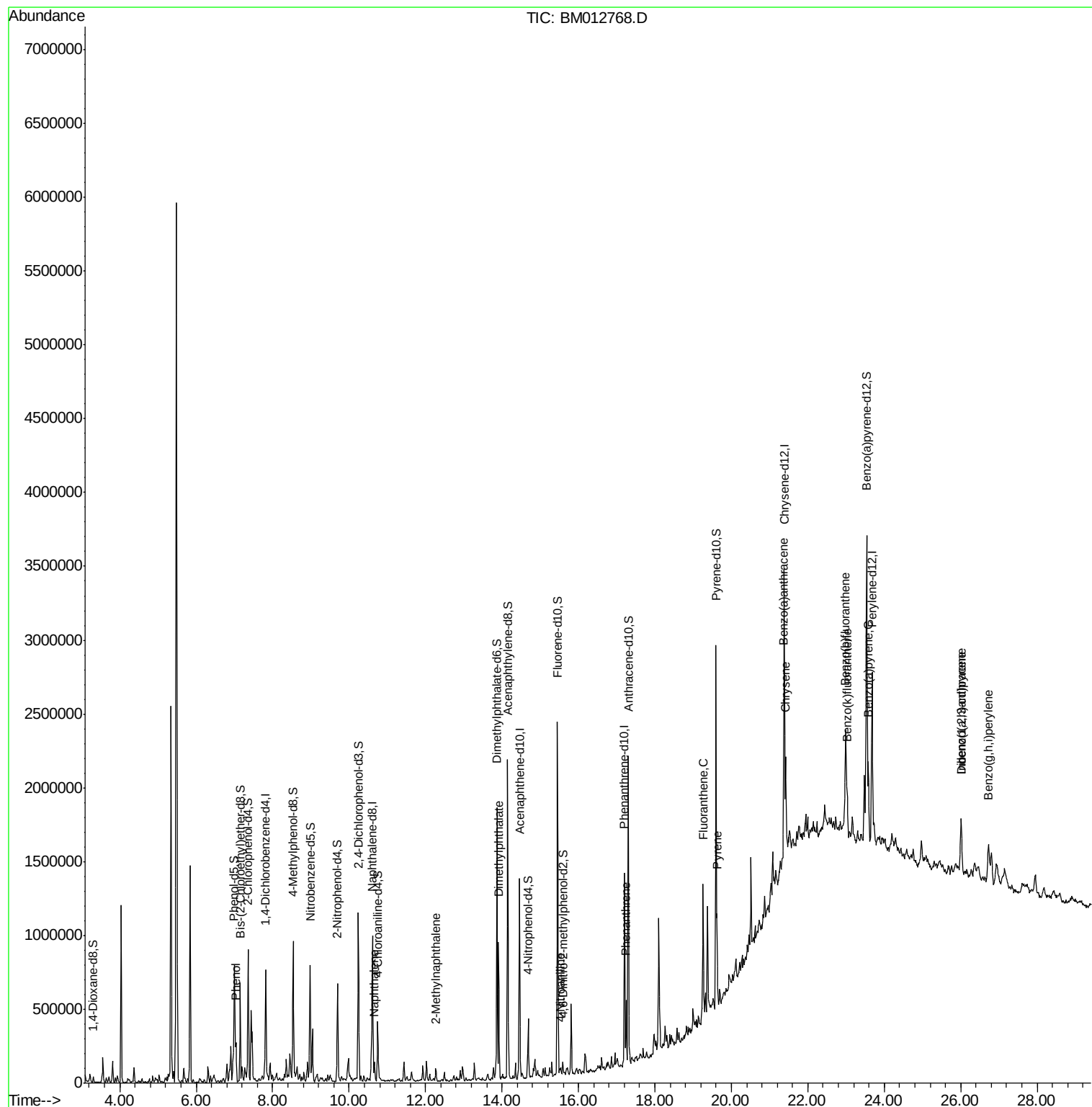
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012768.D
Acq On : 06 Nov 2017 08:45
Operator : SJ/JU
Sample : I5902-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

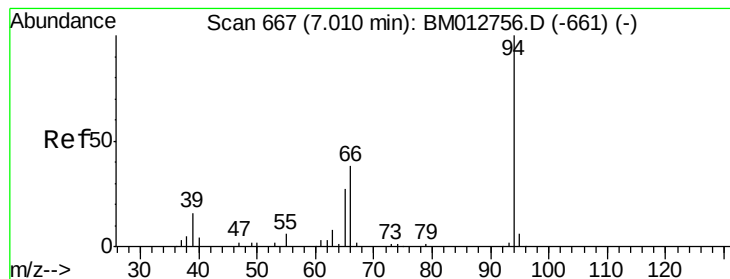
Instrument :
BNA_M
ClientSampled :
B-12(1-3)-101317

Manual Integrations
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Quant Time: Nov 07 03:37:19 2017
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration





#6

Phenol

Concen: 4.705 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. 0.02 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

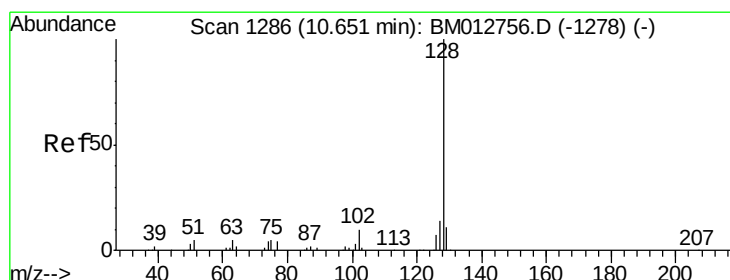
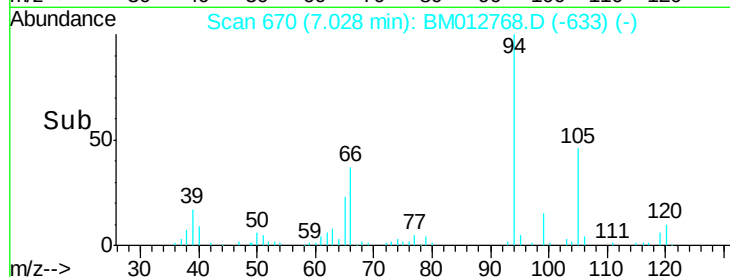
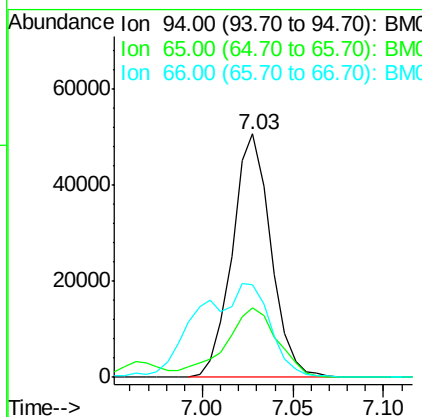
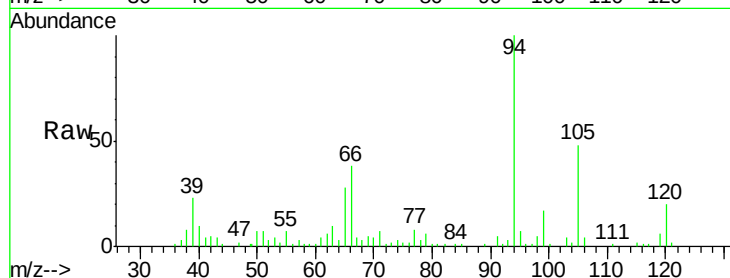
ClientSampled :

B-12(1-3)-101317

Tgt Ion:	94	Resp:	74861
Ion	Ratio	Lower	Upper
94	100		
65	28.3	21.0	31.6
66	37.9	29.3	43.9

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#28

Naphthalene

Concen: 2.532 ng/ul

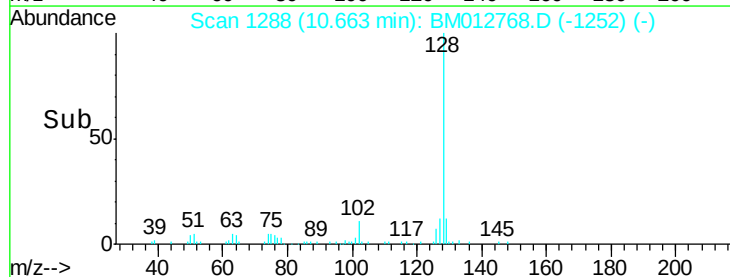
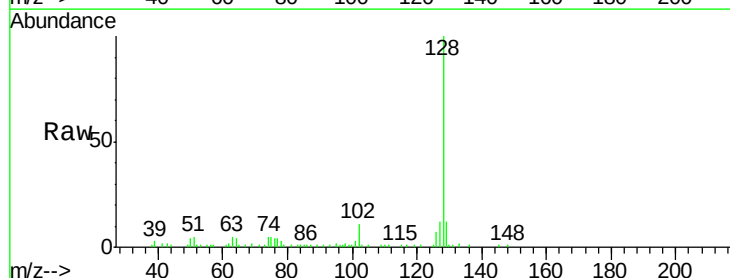
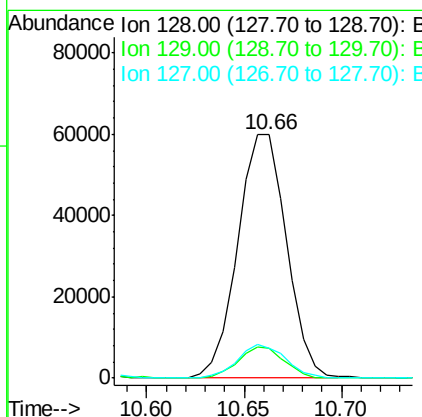
RT: 10.66 min Scan# 1288

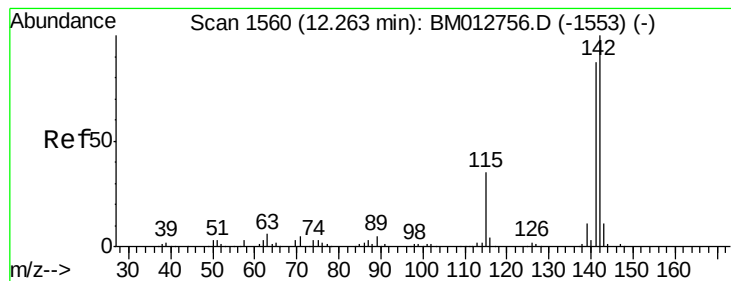
Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Tgt Ion:	128	Resp:	103731
Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.8	13.2
127	12.4	10.5	15.7





#34

2-Methylnaphthalene

Concen: 1.408 ng/ul

RT: 12.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

ClientSampleId :

B-12(1-3)-101317

Tgt Ion:142 Resp: 44084

Ion Ratio Lower Upper

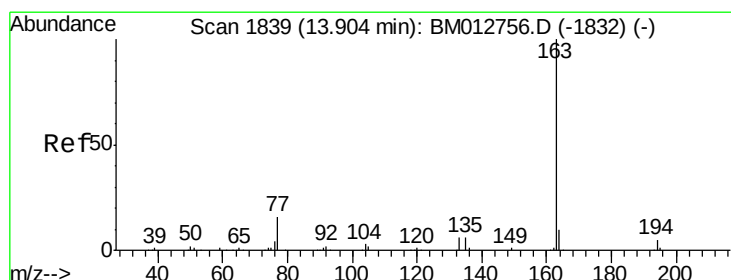
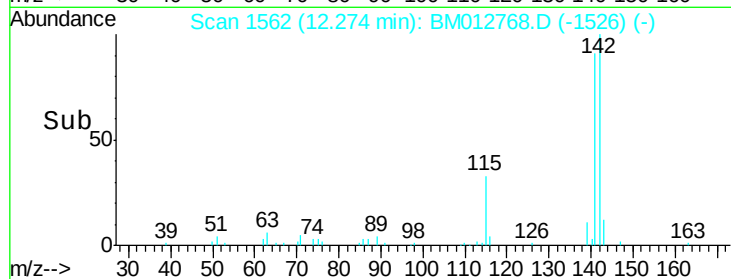
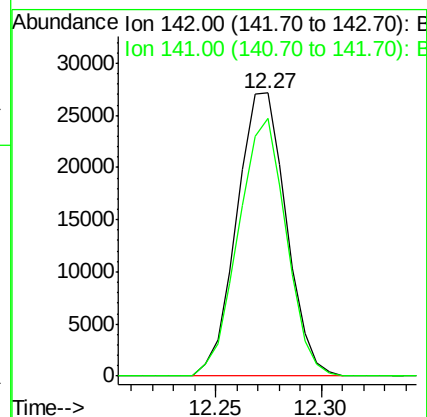
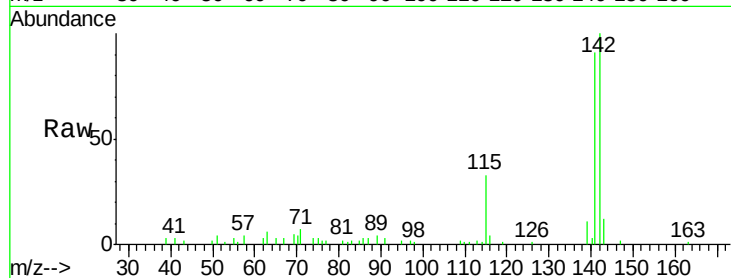
142 100

141 91.0 71.6 107.4

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#44

Dimethylphthalate

Concen: 17.022 ng/ul

RT: 13.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

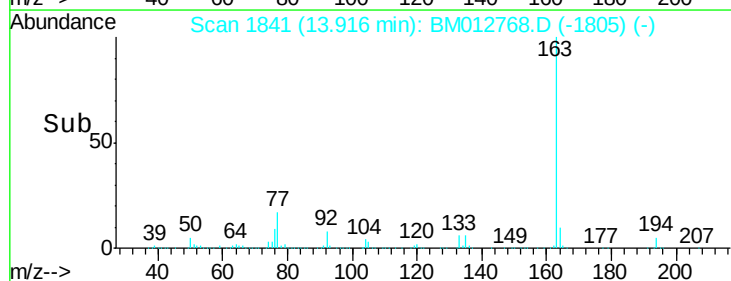
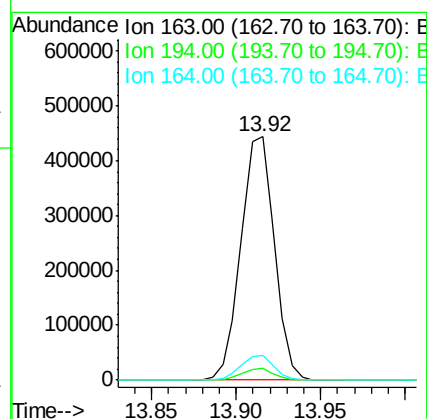
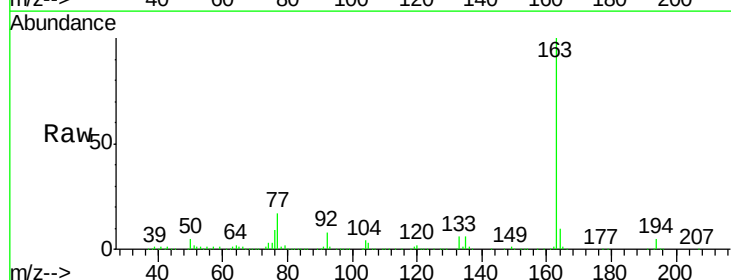
Tgt Ion:163 Resp: 613315

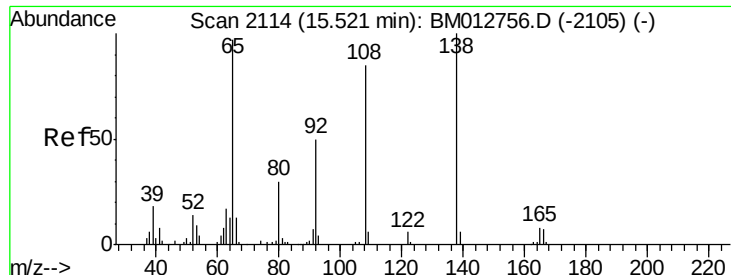
Ion Ratio Lower Upper

163 100

194 4.7 3.2 4.8

164 10.1 7.8 11.8





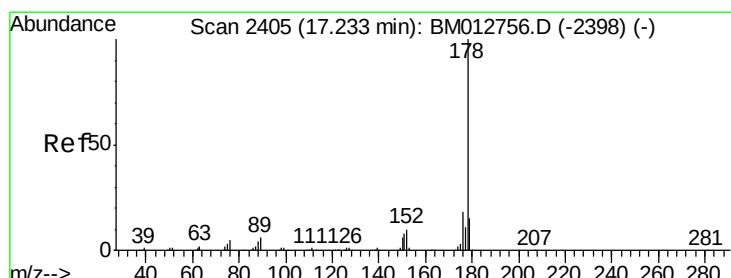
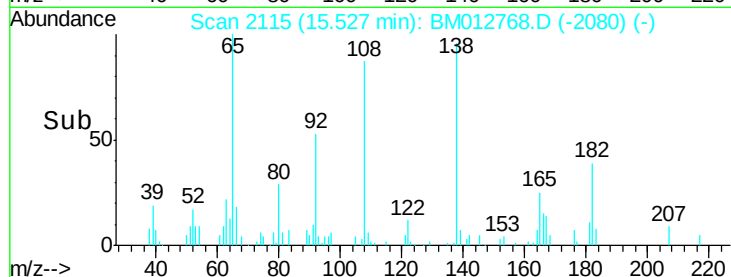
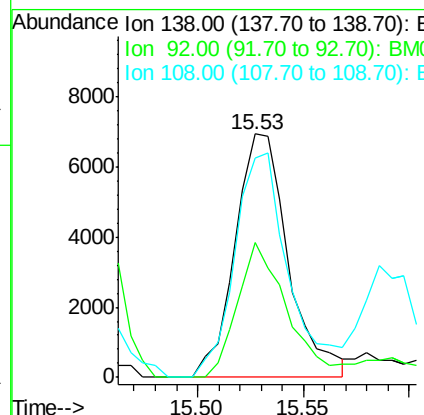
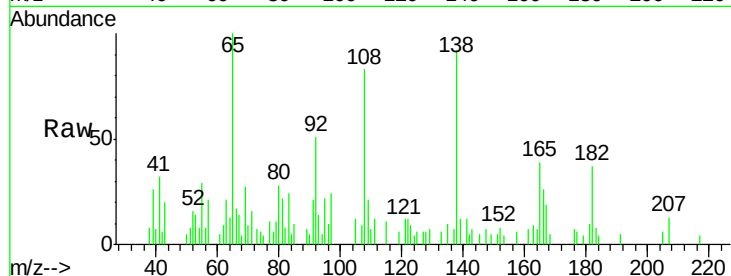
#60
4-Nitroaniline
Concen: 1.716 ng/ul
RT: 15.53 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BM012768.D
Acq: 06 Nov 2017 08:45

Instrument :
BNA_M
ClientSampleId :
B-12(1-3)-101317

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.1	40.6	60.8
108	90.0	67.0	100.6

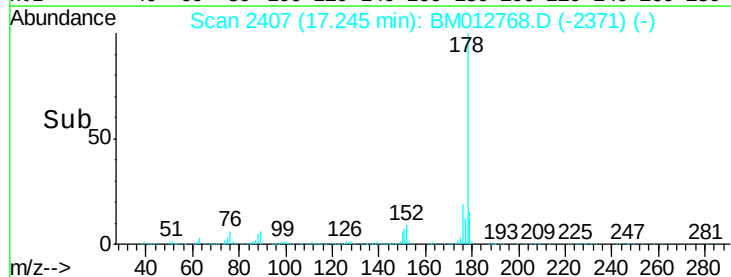
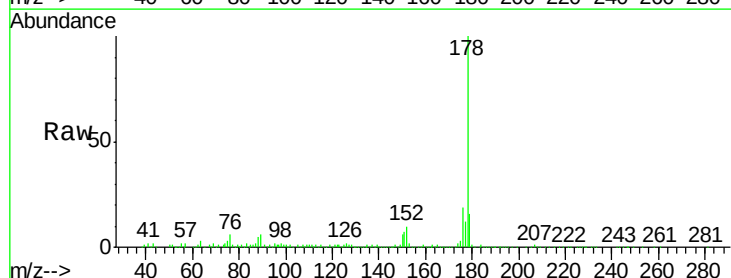
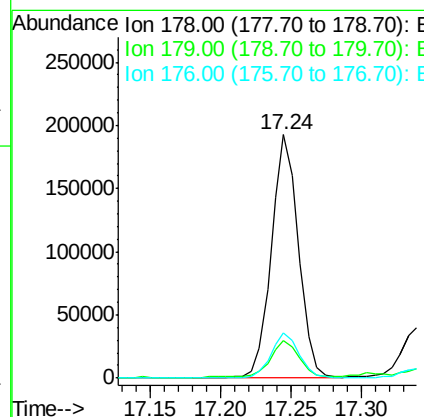
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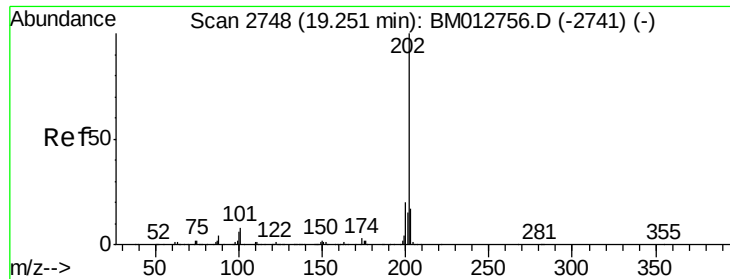
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#69
Phenanthrene
Concen: 6.180 ng/ul
RT: 17.24 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BM012768.D
Acq: 06 Nov 2017 08:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.4
176	18.7	15.6	23.4





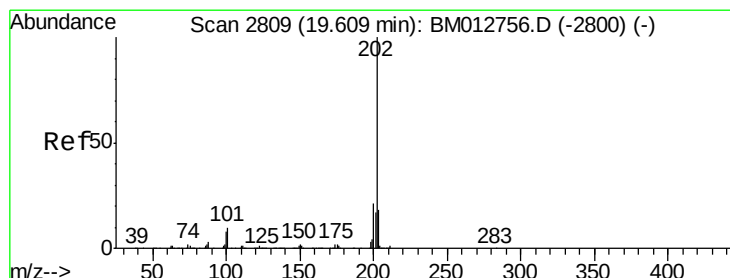
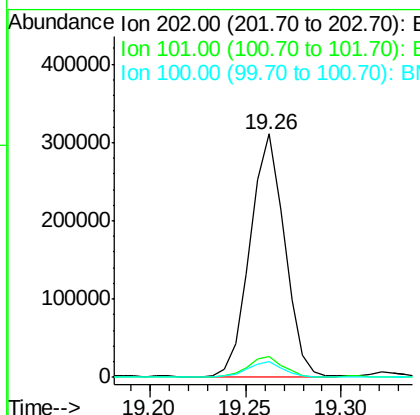
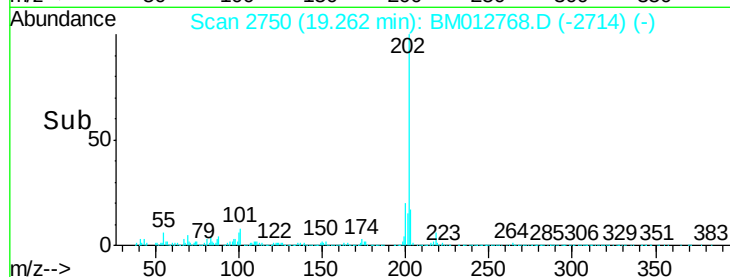
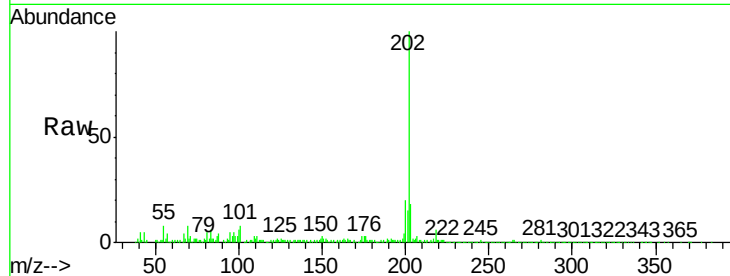
#76
 Fluoranthene
 Concen: 7.720 ng/ul m
 RT: 19.26 min Scan# 2750
 Delta R.T. 0.01 min
 Lab File: BM012768.D
 Acq: 06 Nov 2017 08:45

Instrument :
 BNA_M
 ClientSampleId :
 B-12(1-3)-101317

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	8.8	13.2#
100	6.4	6.6	9.8#

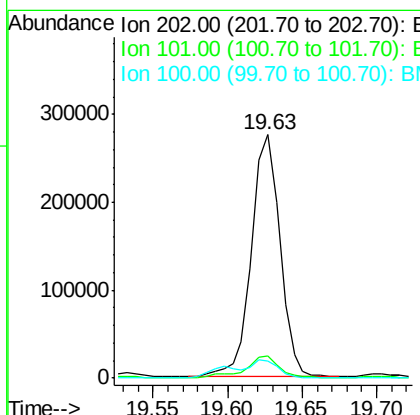
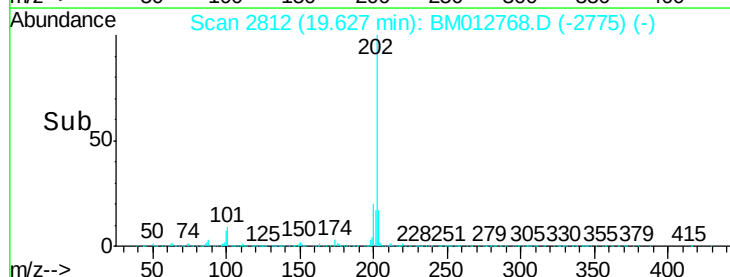
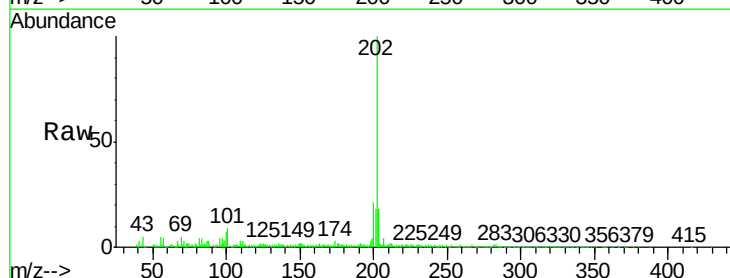
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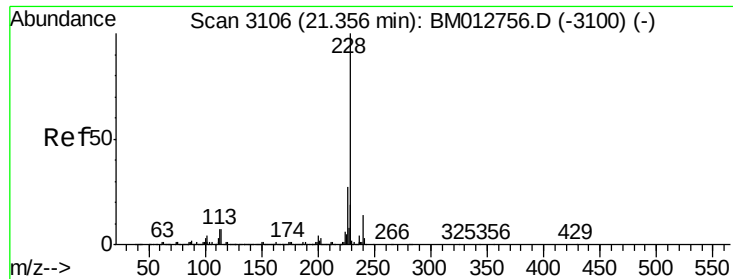
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#79
 Pyrene
 Concen: 7.677 ng/ul
 RT: 19.63 min Scan# 2812
 Delta R.T. 0.02 min
 Lab File: BM012768.D
 Acq: 06 Nov 2017 08:45

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	9.3	10.2	15.2#
100	7.2	8.5	12.7#





#82

Benzo(a)anthracene

Concen: 6.289 ng/ul

RT: 21.37 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

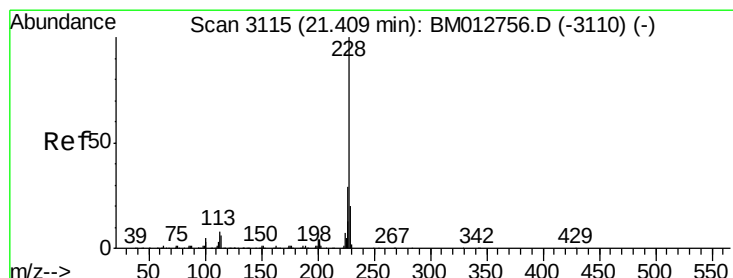
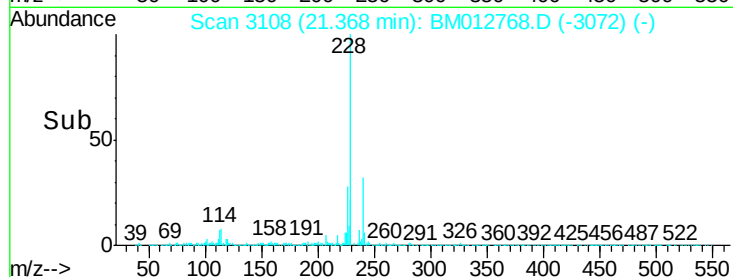
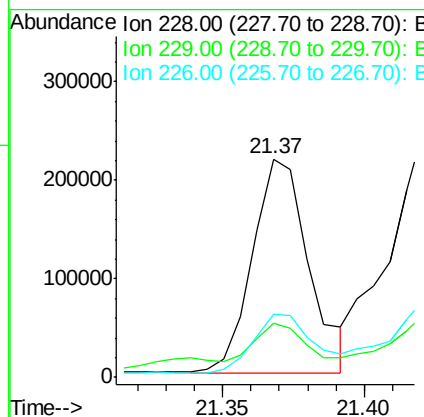
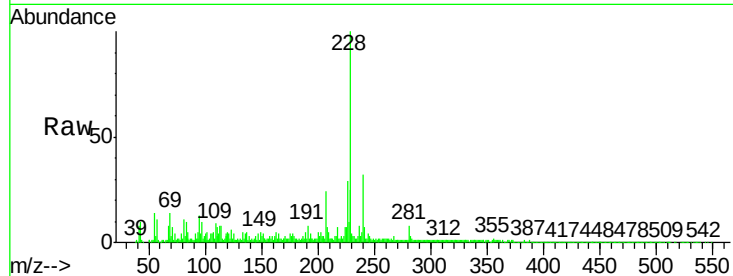
ClientSampleId :

B-12(1-3)-101317

Tgt Ion:	228	Resp:	303087
Ion Ratio	Lower	Upper	
228	100		
229	24.8	15.7	23.5#
226	28.9	21.8	32.6

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#84

Chrysene

Concen: 8.129 ng/ul

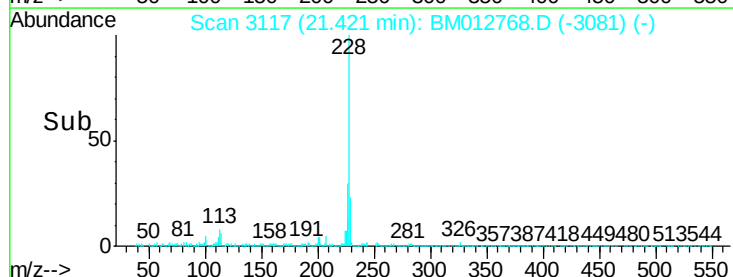
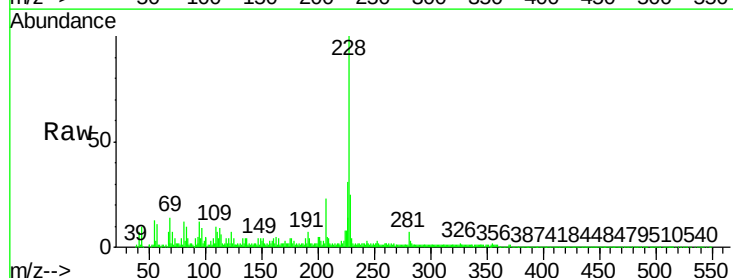
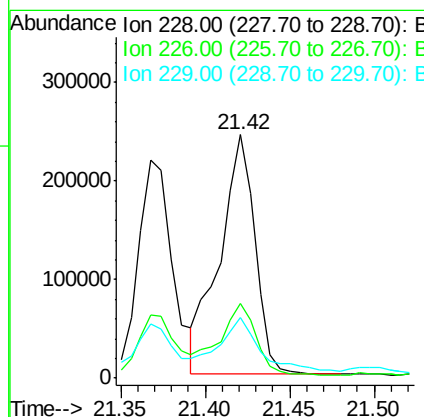
RT: 21.42 min Scan# 3117

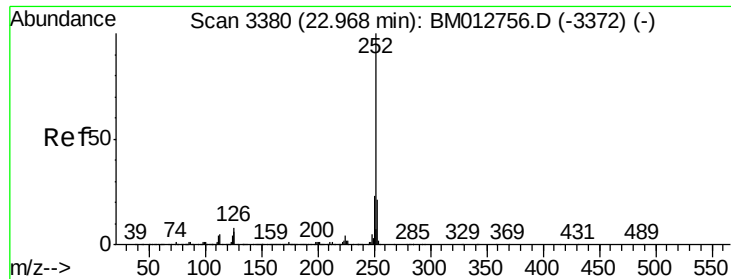
Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Tgt Ion:	228	Resp:	355012
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	24.8	15.6	23.4#





#87

Benzo(b)fluoranthene

Concen: 10.955 ng/ul

RT: 22.99 min Scan# 3384

Delta R.T. 0.02 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

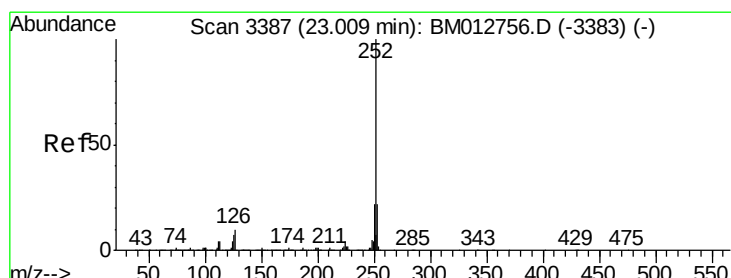
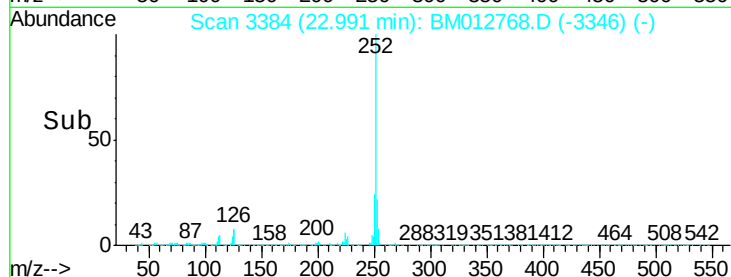
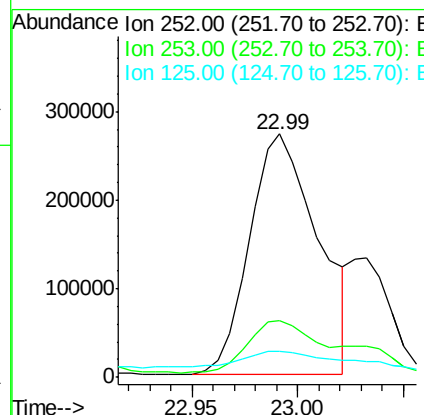
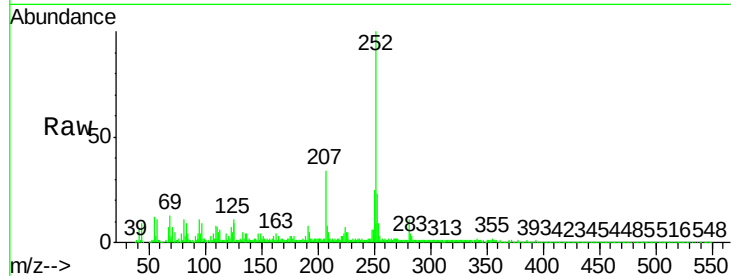
Instrument :
BNA_M

ClientSampleId :
B-12(1-3)-101317

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.5	8.5	12.7

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.274 ng/ul m

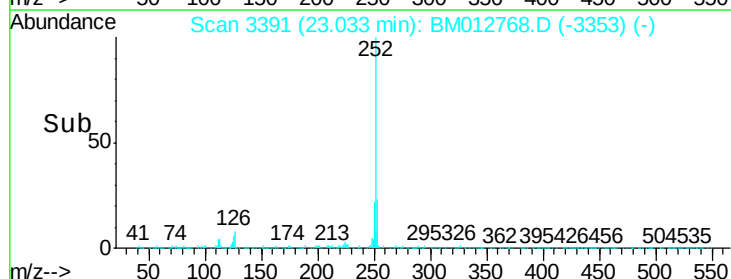
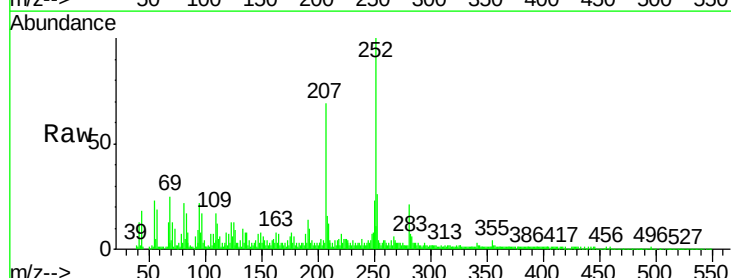
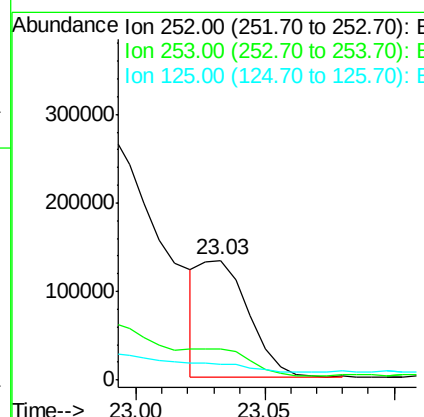
RT: 23.03 min Scan# 3391

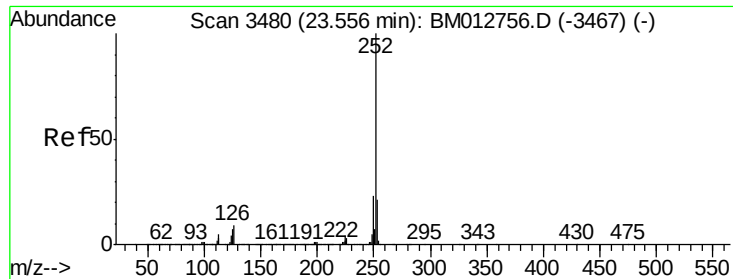
Delta R.T. 0.02 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.3	25.9#
125	13.1	8.2	12.2#





#90

Benzo(a)pyrene

Concen: 6.948 ng/ul

RT: 23.58 min Scan# 3484

Delta R.T. 0.02 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

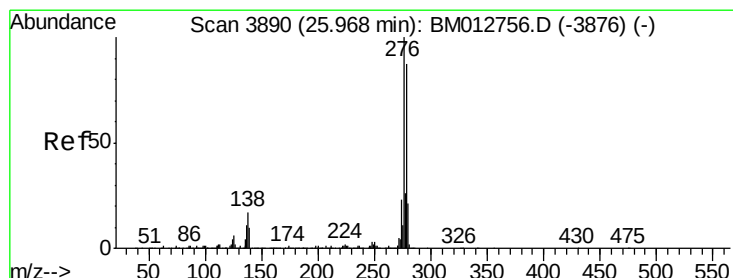
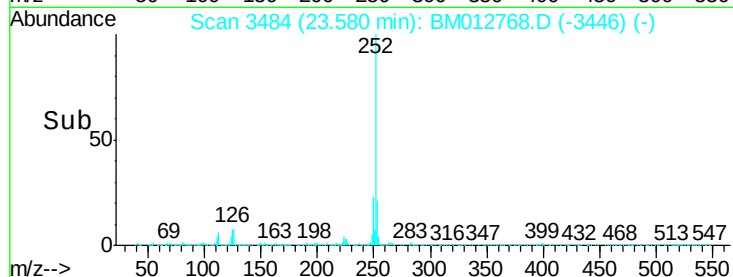
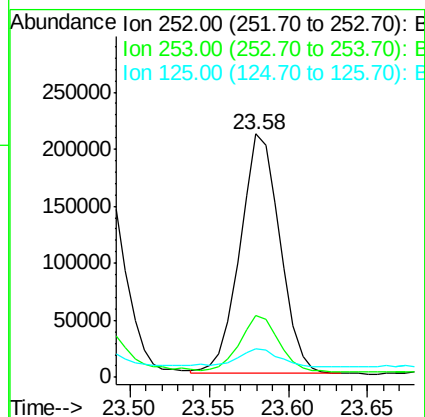
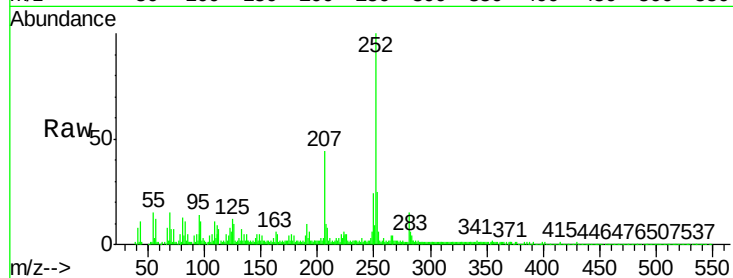
ClientSampleId :

B-12(1-3)-101317

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.2	25.8
125	11.5	9.0	13.6

Manual Integrations
APPROVED

Sohil
11/7/2017 5:35:06 PM



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.414 ng/ul

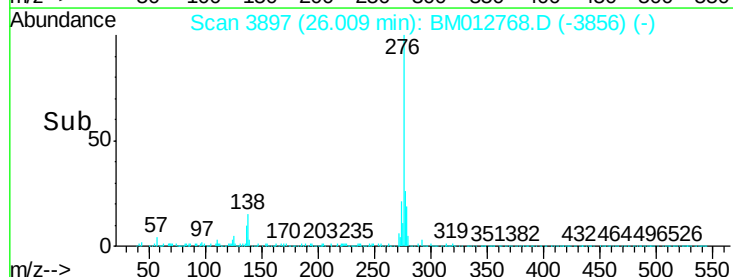
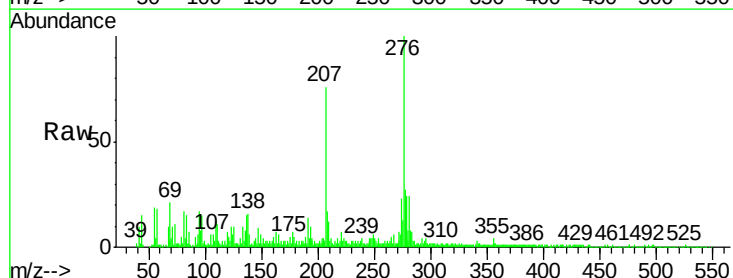
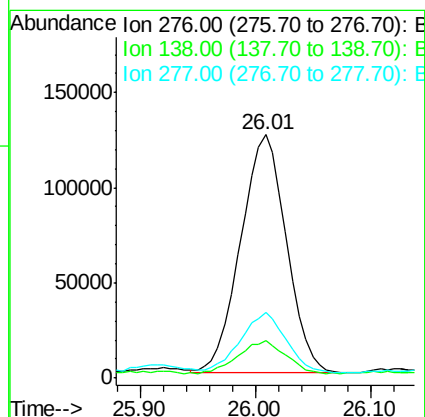
RT: 26.01 min Scan# 3897

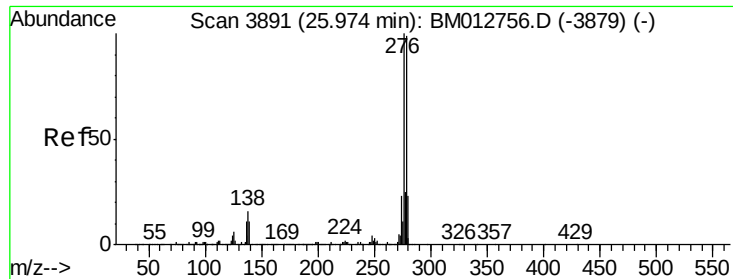
Delta R.T. 0.04 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	22.3	33.5#
277	26.8	20.2	30.2





#92

Dibenzo(a,h)anthracene

Concen: 1.807 ng/ul

RT: 26.01 min Scan# 3897

Delta R.T. 0.04 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

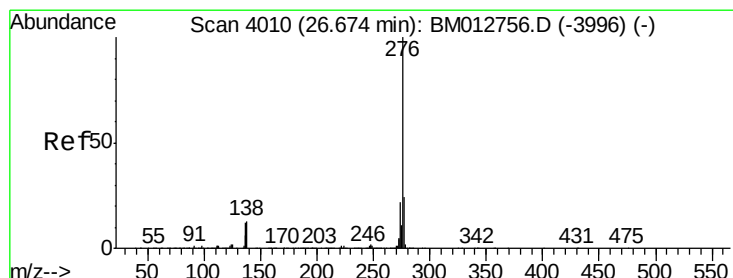
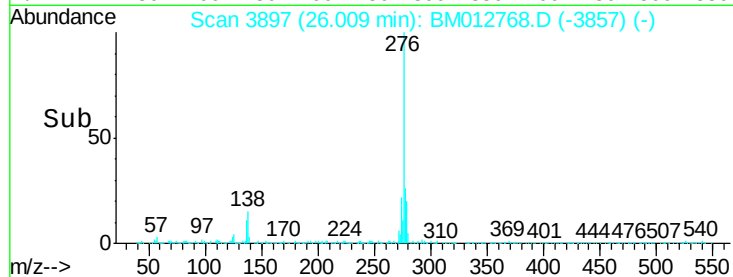
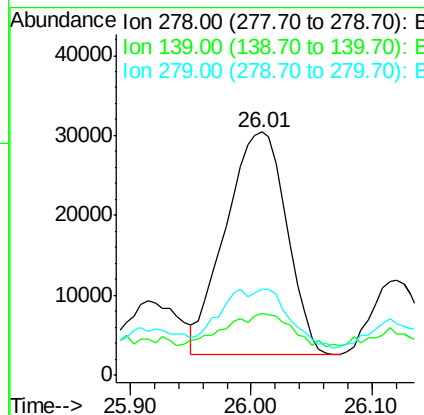
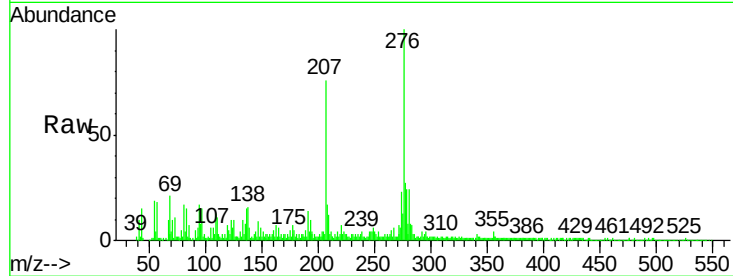
ClientSampleId :

B-12(1-3)-101317

Tgt Ion:	278	Resp:	97451
Ion Ratio	Lower	Upper	
278	100		
139	25.2	13.9	20.9#
279	35.2	19.0	28.4#

Manual Integrations
APPROVED

Sohil
11/7/2017 5:35:06 PM



#93

Benzo(g,h,i)perylene

Concen: 5.962 ng/ul

RT: 26.73 min Scan# 4019

Delta R.T. 0.05 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Tgt Ion:	276	Resp:	313026
Ion Ratio	Lower	Upper	
276	100		
138	15.2	18.9	28.3#
277	26.7	19.2	28.8

