

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
 Data File : BM012769.D
 Acq On : 06 Nov 2017 09:21
 Operator : SJ/JU
 Sample : I5902-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-12(0-1)-101317

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:08 PM

Quant Time: Nov 07 03:47:53 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	134846	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	565856	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	362015	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	818048	20.00	ng/ul	0.01
77) Chrysene-d12	21.39	240	655443	20.00	ng/ul	0.01
85) Perylene-d12	23.68	264	740640	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	12538	5.02	ng/uL	0.00
5) Phenol-d5	7.00	99	295013	29.40	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	156445	28.77	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	256936	30.74	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	246031	28.41	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	127425	30.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	137807	28.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	288914	29.46	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	206677	21.84	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	891633	29.76	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1136884	30.68	ng/ul	0.01
51) 4-Nitrophenol-d4	14.68	143	124055	25.84	ng/ul	0.02
57) Fluorene-d10	15.45	176	805444	31.39	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.59	200	21454	3.97	ng/ul	0.02
70) Anthracene-d10	17.30	188	1186838	30.03	ng/ul	0.01
78) Pyrene-d10	19.60	212	1082909	35.61	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	1090753	31.15	ng/ul	0.03

Target Compounds

					Qvalue	
6) Phenol	7.03	94	56274	5.464	ng/ul	97
28) Naphthalene	10.66	128	106989	3.782	ng/ul	99
34) 2-Methylnaphthalene	12.27	142	39139	1.810	ng/ul	97
44) Dimethylphthalate	13.91	163	514186	17.297	ng/ul	99
60) 4-Nitroaniline	15.53	138	44611	7.638	ng/ul	97
69) Phenanthrene	17.24	178	368869	8.250	ng/ul	98
71) Anthracene	17.33	178	70866m	1.529	ng/ul	
76) Fluoranthene	19.26	202	603305	11.228	ng/ul#	94
79) Pyrene	19.63	202	504624	12.904	ng/ul#	91
82) Benzo(a)anthracene	21.37	228	308272	7.772	ng/ul#	95
83) Bis(2-ethylhexyl)phthalate	21.29	149	27946	1.345	ng/ul#	84
84) Chrysene	21.42	228	374112	10.408	ng/ul#	94
87) Benzo(b)fluoranthene	22.99	252	554587	12.253	ng/ul	97
88) Benzo(k)fluoranthene	23.03	252	193086m	4.488	ng/ul	
90) Benzo(a)pyrene	23.58	252	363284	8.435	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	26.01	276	325533	6.272	ng/ul#	86
92) Dibenzo(a,h)anthracene	26.00	278	90680	2.064	ng/ul#	65
93) Benzo(g,h,i)perylene	26.72	276	292095	6.829	ng/ul#	90

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

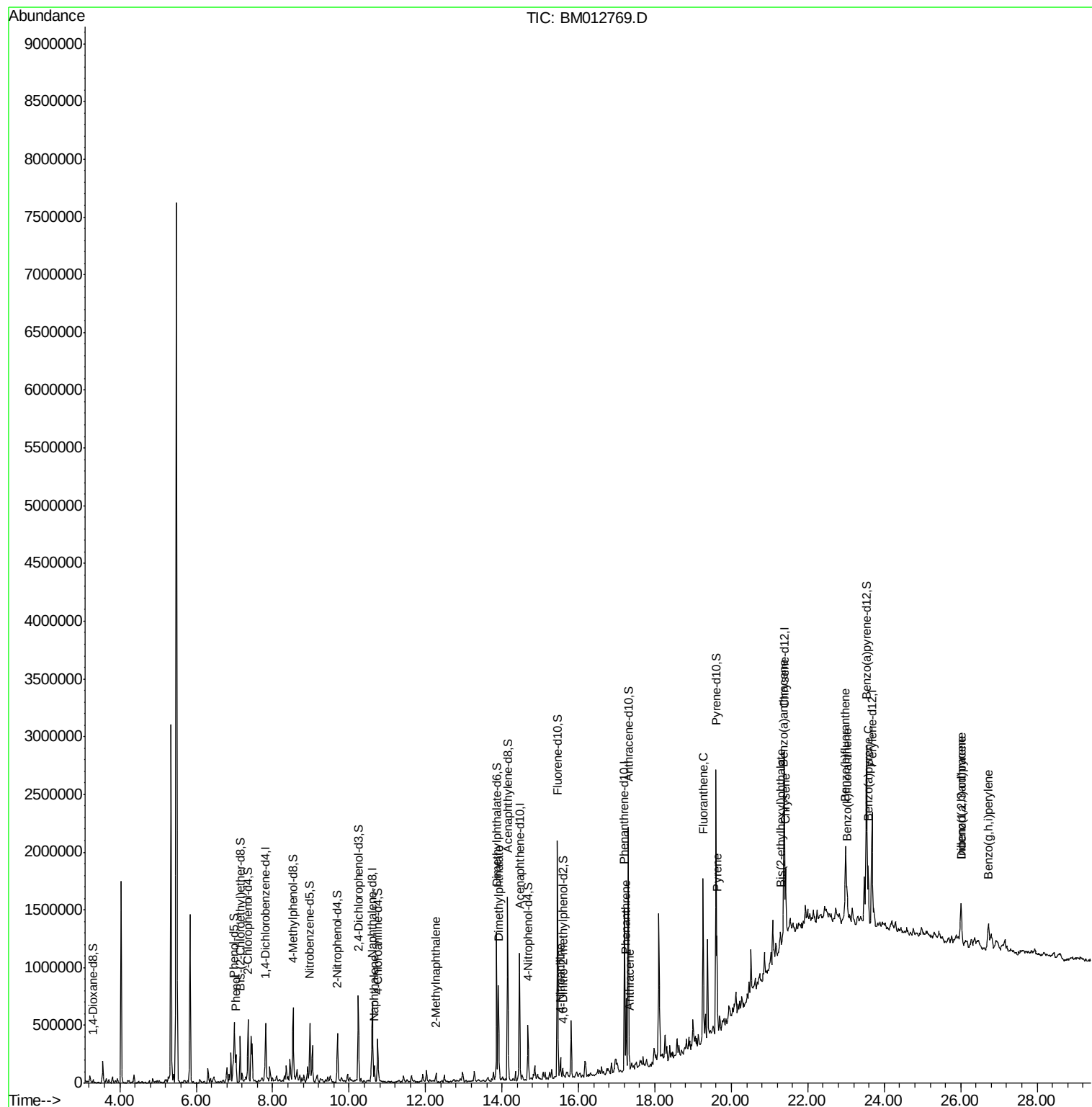
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012769.D
Acq On : 06 Nov 2017 09:21
Operator : SJ/JU
Sample : I5902-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

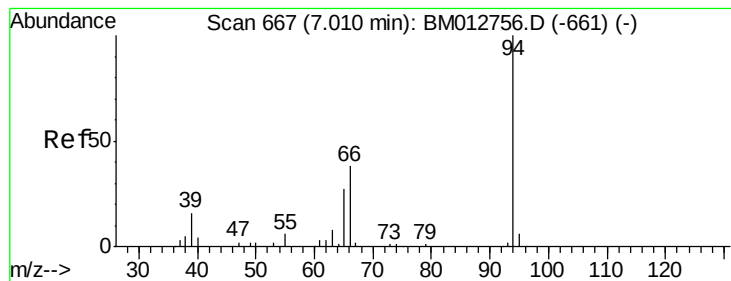
Instrument :
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ClientSampleId :
B-12(0-1)-101317

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Quant Time: Nov 07 03:47:53 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: 5.464 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

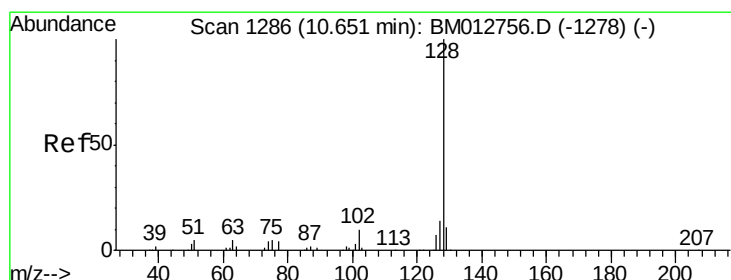
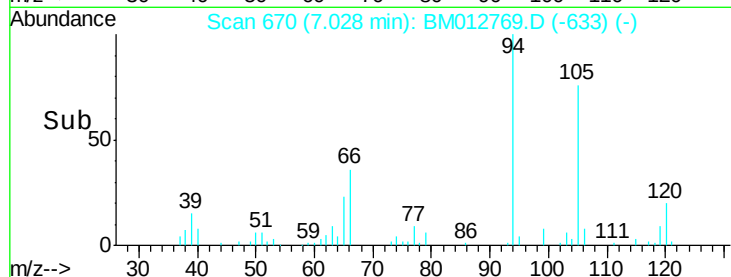
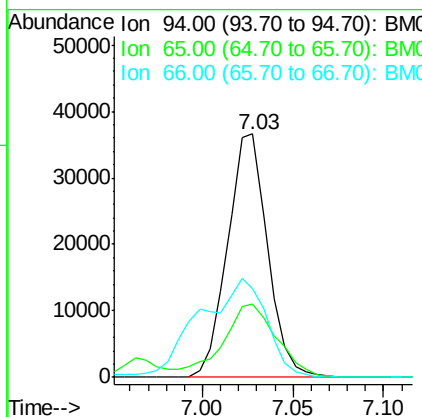
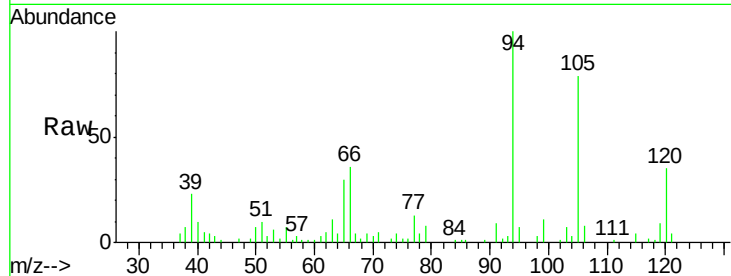
ClientSampleId :

B-12(0-1)-101317

Tgt Ion:	94	Resp:	56274
Ion Ratio	Lower	Upper	
94	100		
65	30.1	21.0	31.6
66	36.4	29.3	43.9

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#28

Naphthalene

Concen: 3.782 ng/ul

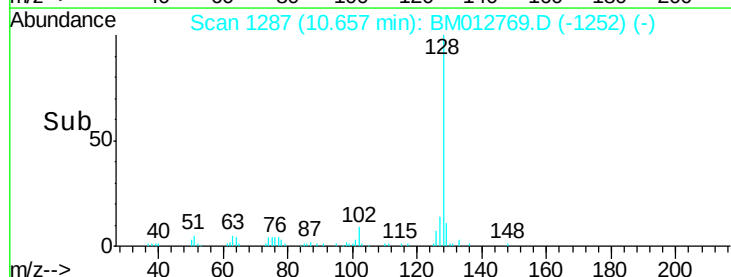
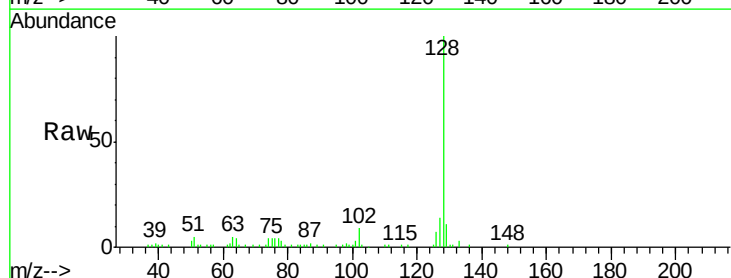
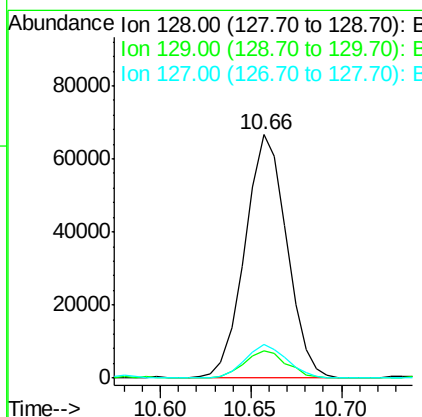
RT: 10.66 min Scan# 1287

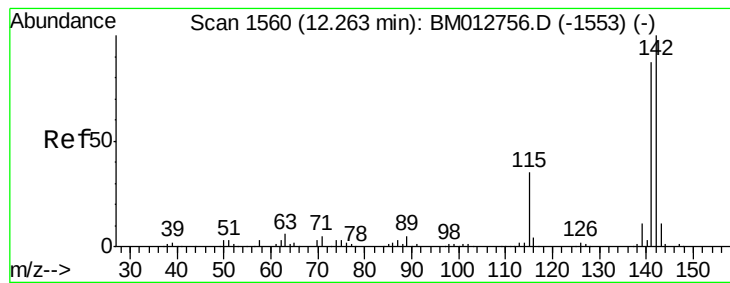
Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion:	128	Resp:	106989
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.6	10.5	15.7





#34

2-Methylnaphthalene

Concen: 1.810 ng/ul

RT: 12.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:142 Resp: 39139

Ion Ratio Lower Upper

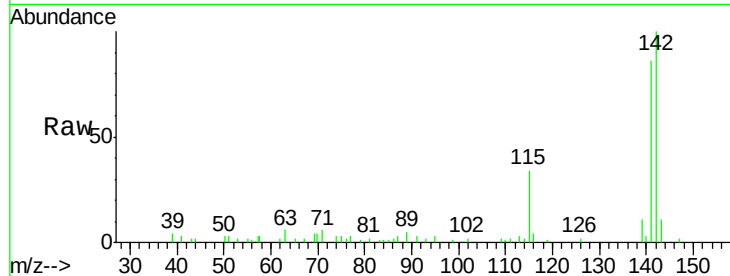
142 100

141 86.3 71.6 107.4

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.27

25000

20000

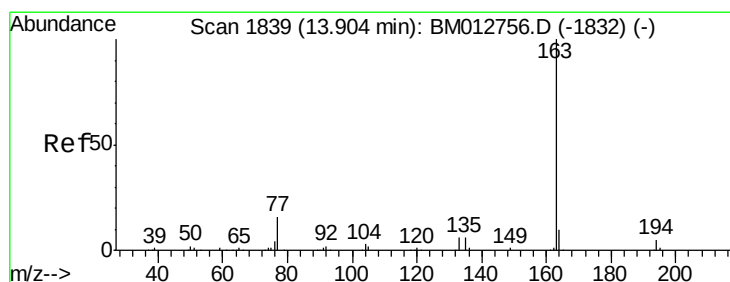
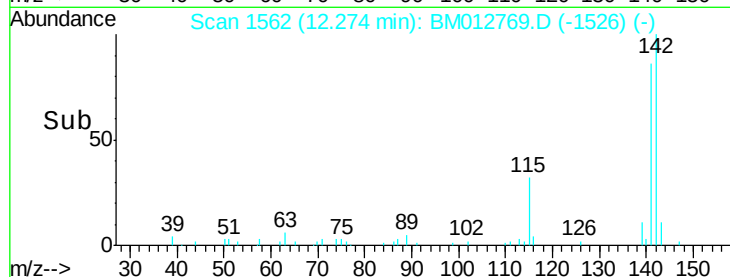
15000

10000

5000

0

Time-->



#44

Dimethylphthalate

Concen: 17.297 ng/ul

RT: 13.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

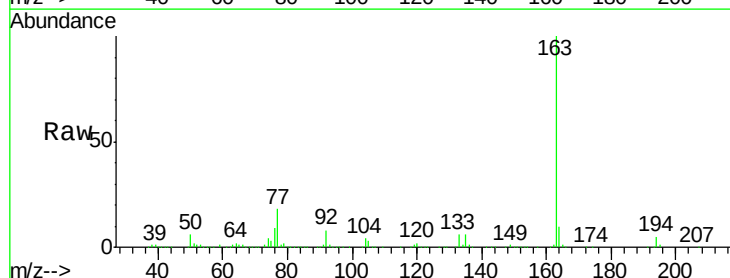
Tgt Ion:163 Resp: 514186

Ion Ratio Lower Upper

163 100

194 4.7 3.2 4.8

164 10.2 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

13.91

500000

400000

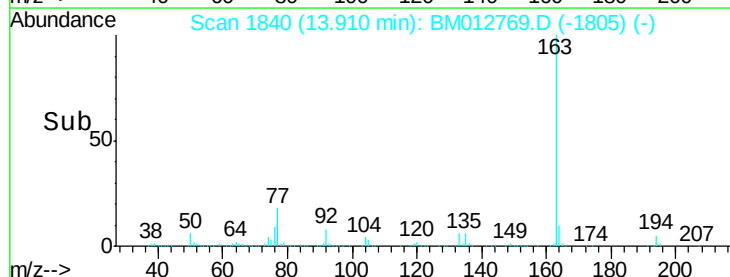
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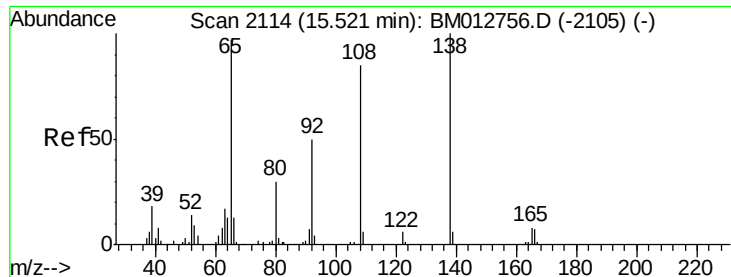
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100000

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Time-->





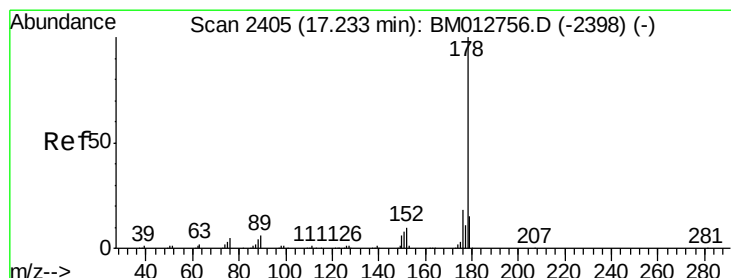
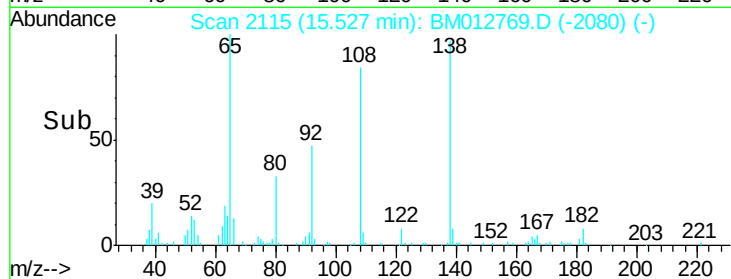
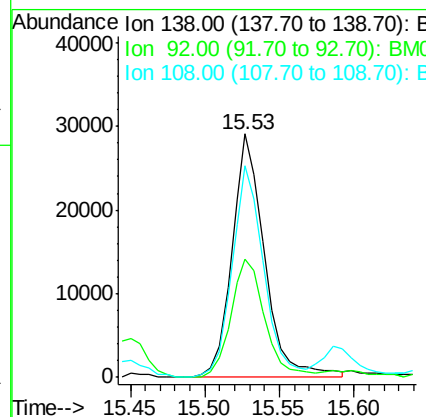
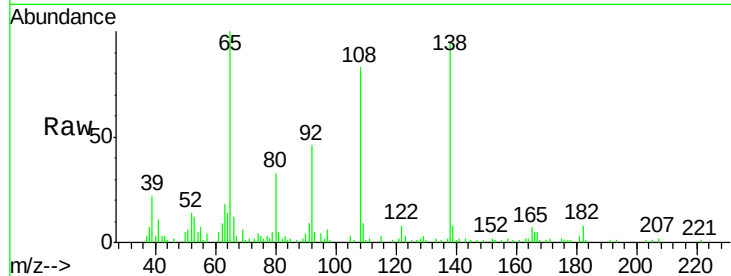
#60
4-Nitroaniline
Concen: 7.638 ng/ul
RT: 15.53 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BM012769.D
Acq: 06 Nov 2017 09:21

Instrument :
BNA_M
ClientSampleId :
B-12(0-1)-101317

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.7	40.6	60.8
108	86.7	67.0	100.6

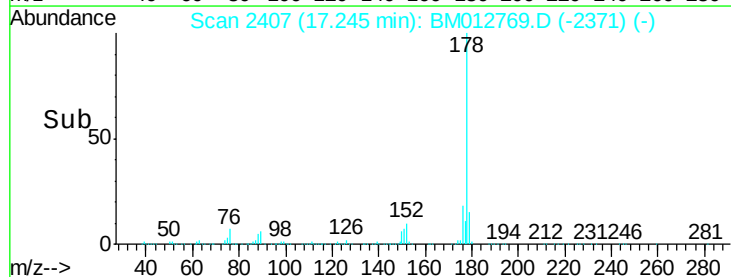
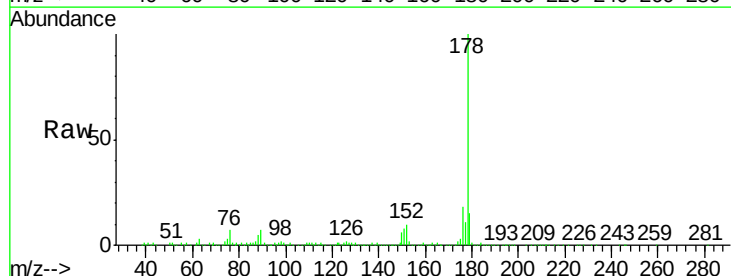
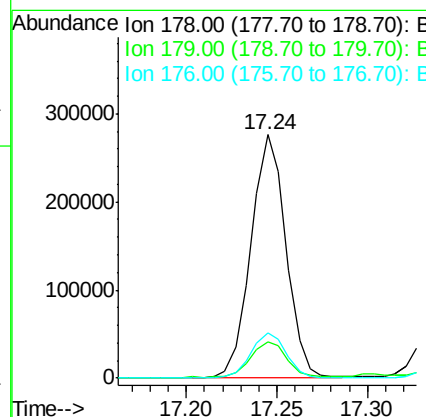
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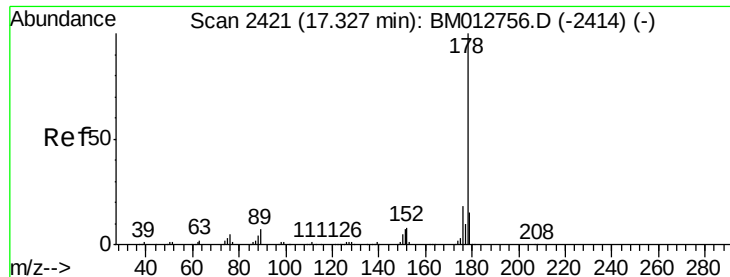
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#69
Phenanthrene
Concen: 8.250 ng/ul
RT: 17.24 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BM012769.D
Acq: 06 Nov 2017 09:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	18.4	15.6	23.4





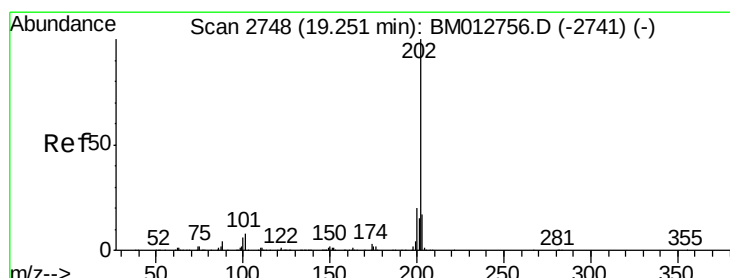
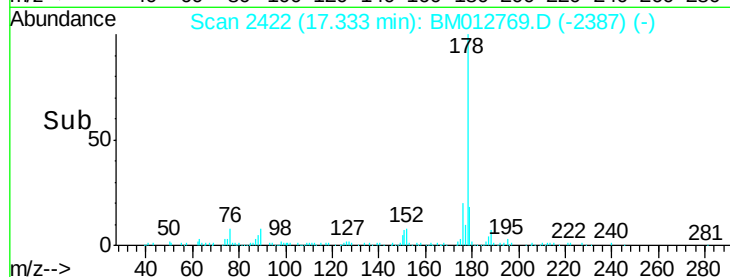
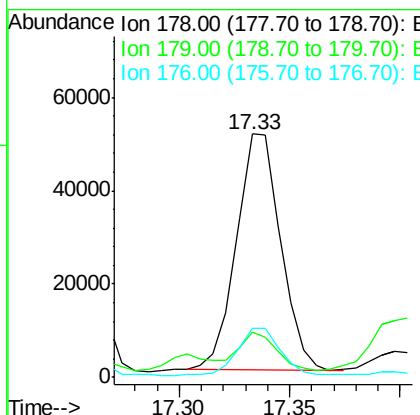
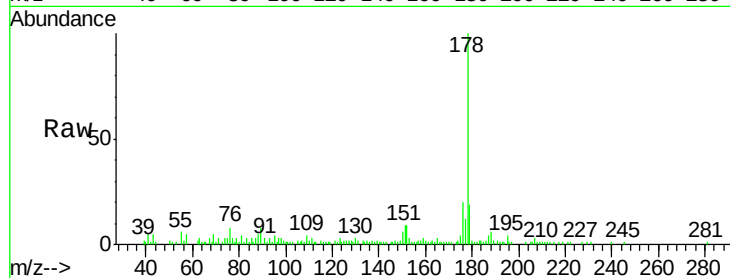
#71
 Anthracene
 Concen: 1.529 ng/ul m
 RT: 17.33 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: BM012769.D
 Acq: 06 Nov 2017 09:21

Instrument :
 BNA_M
 ClientSampleId :
 B-12(0-1)-101317

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.7	12.1	18.1#
176	20.0	14.8	22.2

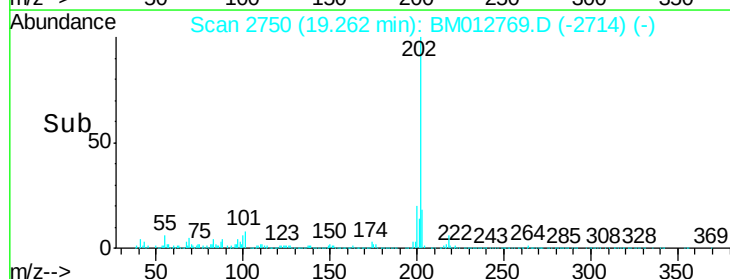
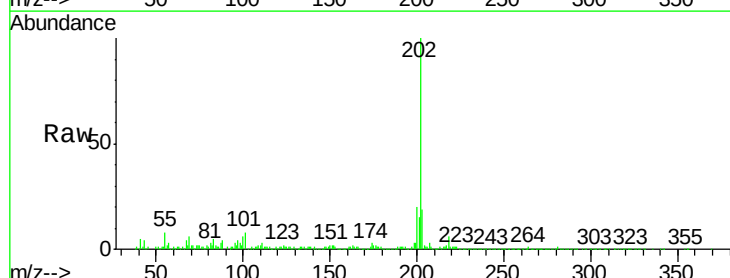
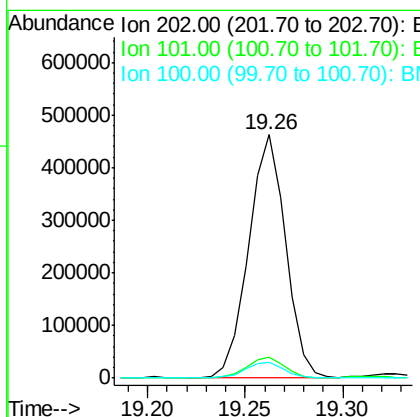
Manual Integrations
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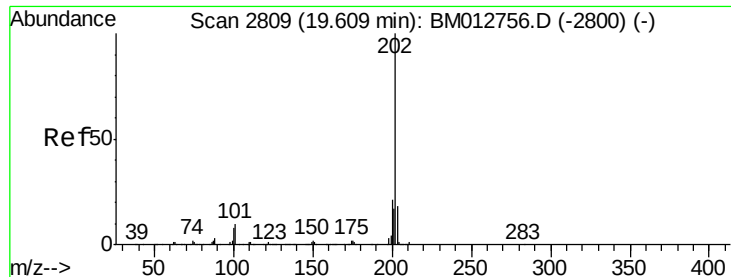
Sohil
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#76
 Fluoranthene
 Concen: 11.228 ng/ul
 RT: 19.26 min Scan# 2750
 Delta R.T. 0.01 min
 Lab File: BM012769.D
 Acq: 06 Nov 2017 09:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	8.8	13.2#
100	6.3	6.6	9.8#





#79

Pyrene

Concen: 12.904 ng/ul

RT: 19.63 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

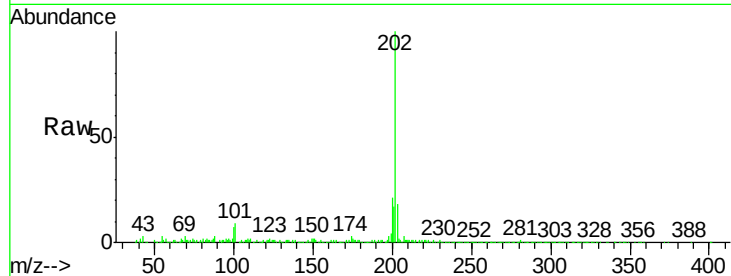
ClientSampleId :

B-12(0-1)-101317

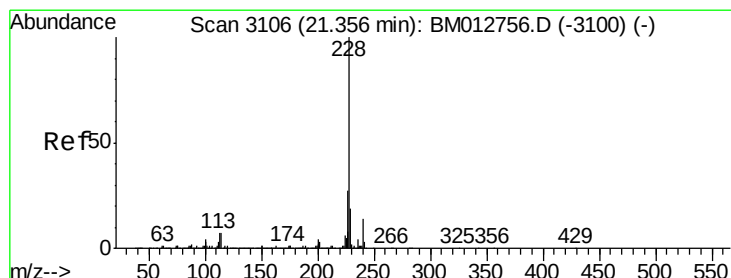
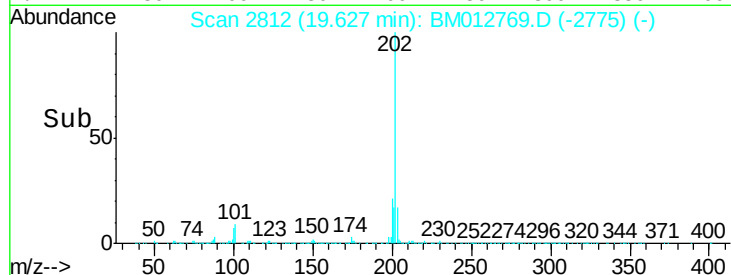
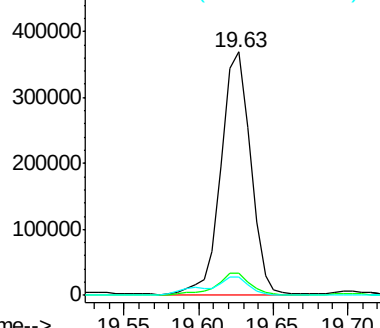
Tgt Ion:	202	Resp:	504624
Ion Ratio	Lower	Upper	
202	100		
101	9.2	10.2	15.2#
100	7.5	8.5	12.7#

Manual Integrations
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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



#82

Benzo(a)anthracene

Concen: 7.772 ng/ul

RT: 21.37 min Scan# 3108

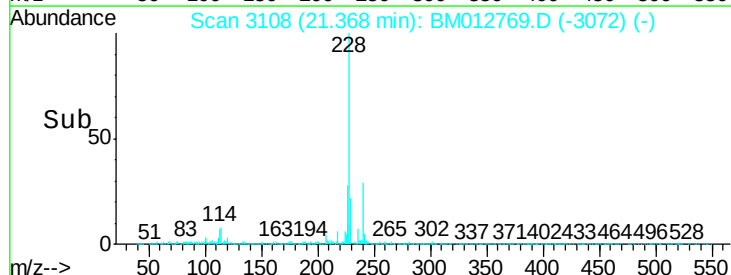
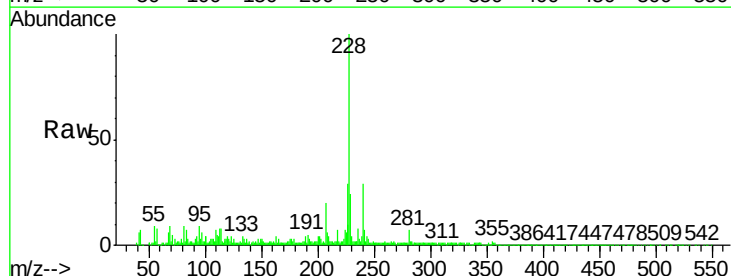
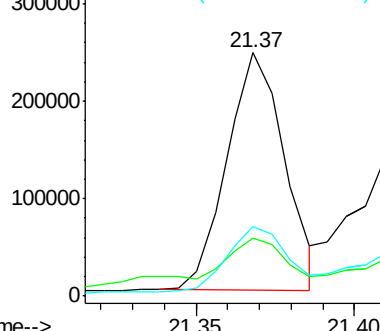
Delta R.T. 0.01 min

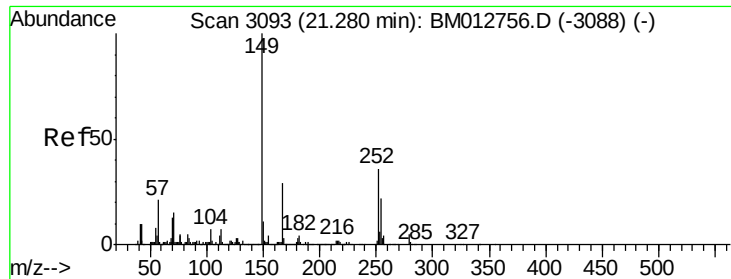
Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion:	228	Resp:	308272
Ion Ratio	Lower	Upper	
228	100		
229	23.7	15.7	23.5#
226	28.6	21.8	32.6

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.345 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

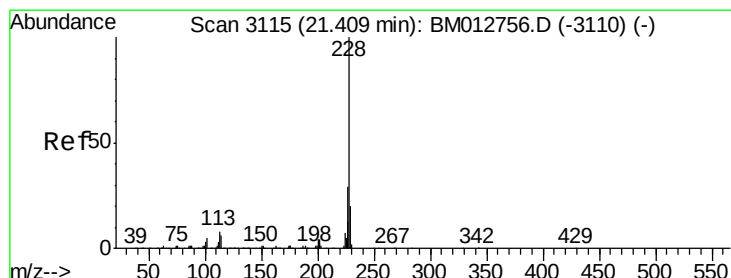
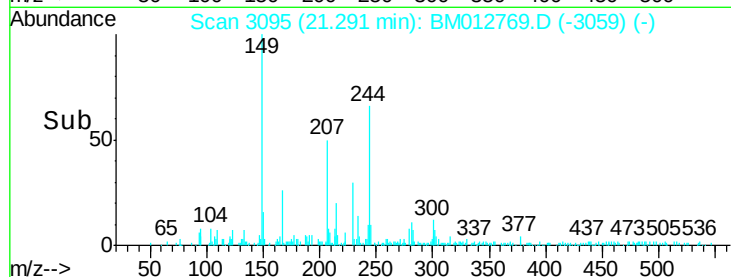
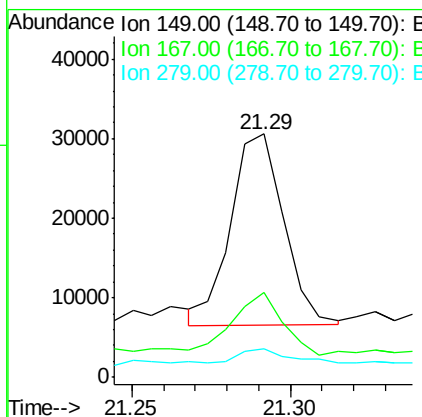
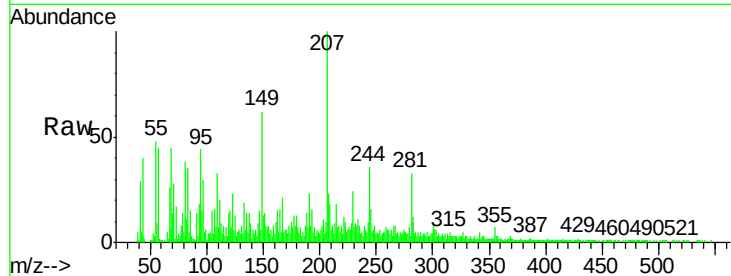
ClientSampleId :

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Tgt Ion:	149	Resp:	27946
Ion Ratio	Lower	Upper	
149	100		
167	34.7	21.6	32.4#
279	12.0	3.0	4.4#

Manual Integrations
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#84

Chrysene

Concen: 10.408 ng/ul

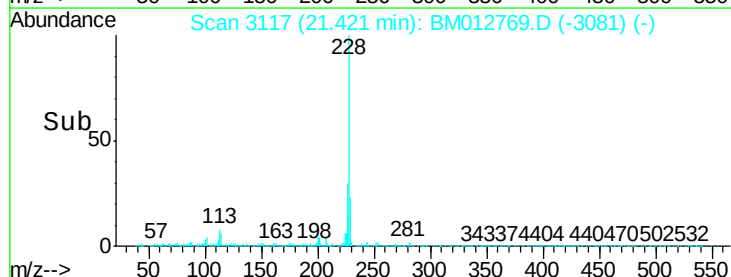
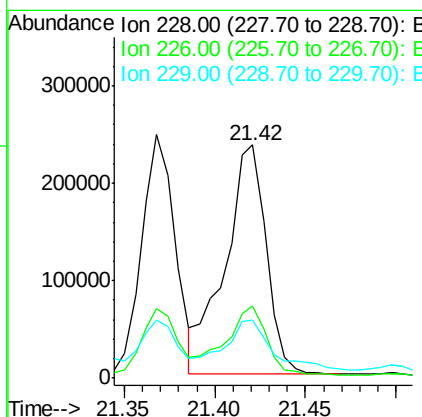
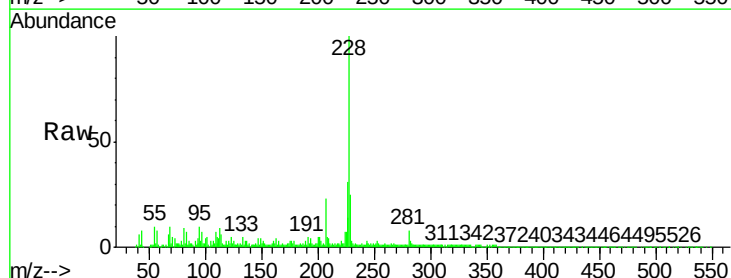
RT: 21.42 min Scan# 3117

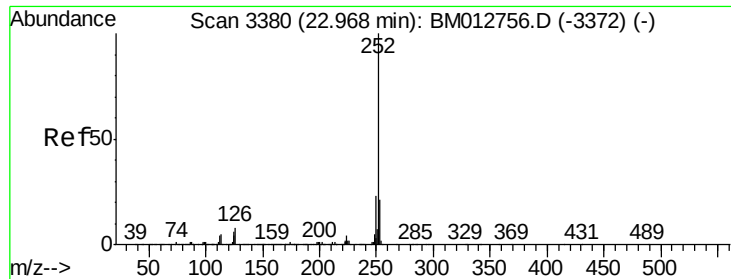
Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion:	228	Resp:	374112
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.0	36.0
229	24.8	15.6	23.4#





#87

Benzo(b)fluoranthene

Concen: 12.253 ng/ul

RT: 22.99 min Scan# 3384

Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

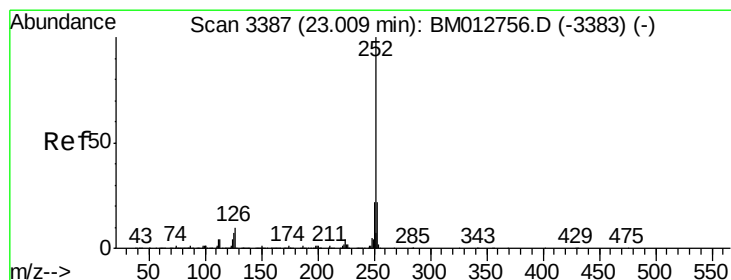
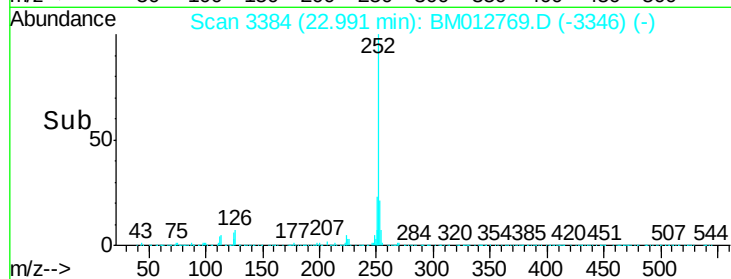
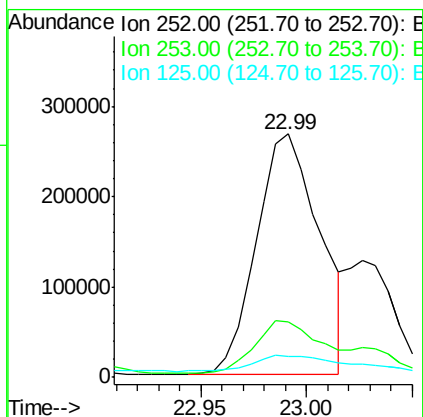
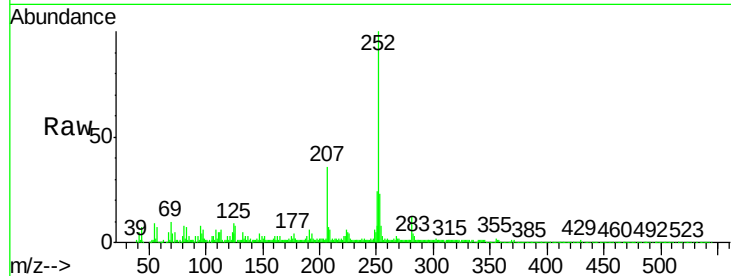
ClientSampleId :

B-12(0-1)-101317

Tgt Ion:	252	Resp:	554587
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	8.8	8.5	12.7

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.488 ng/ul m

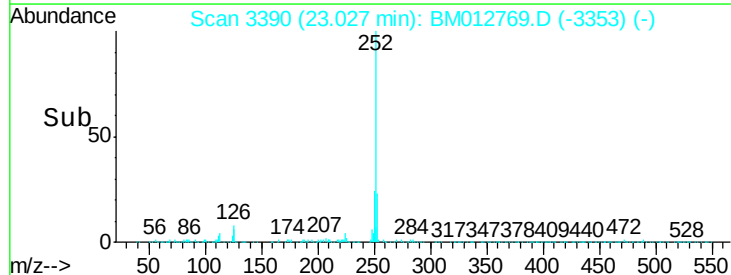
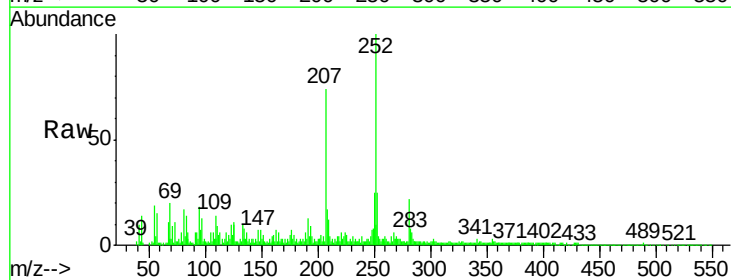
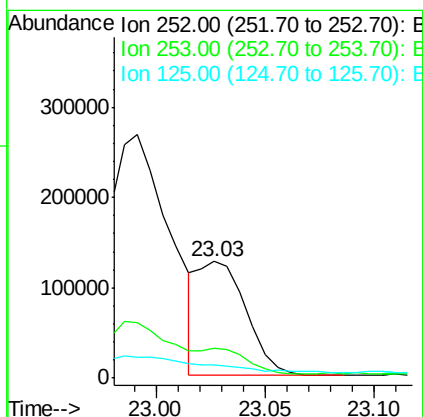
RT: 23.03 min Scan# 3390

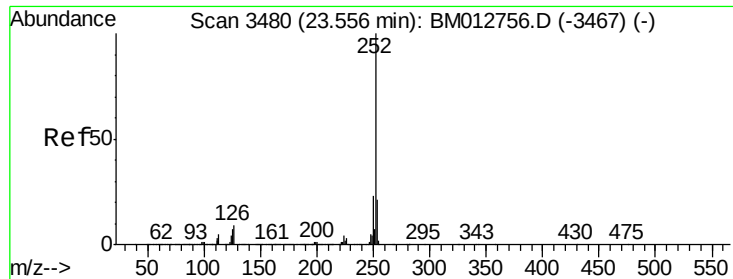
Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion:	252	Resp:	193086
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.3	25.9
125	11.1	8.2	12.2





#90

Benzo(a)pyrene

Concen: 8.435 ng/ul

RT: 23.58 min Scan# 3484

Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

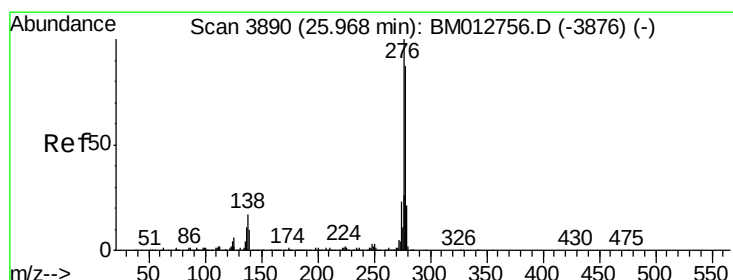
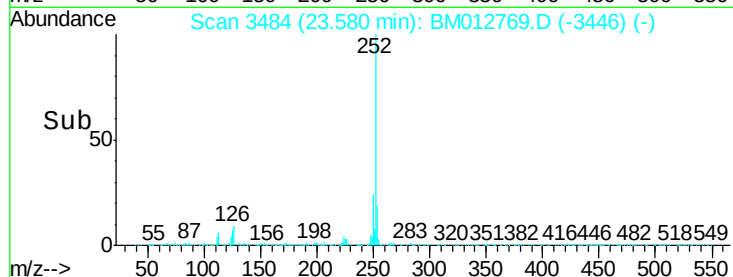
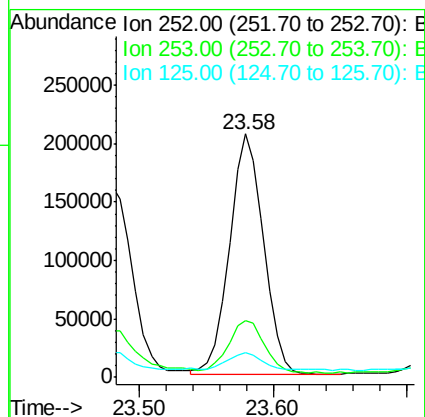
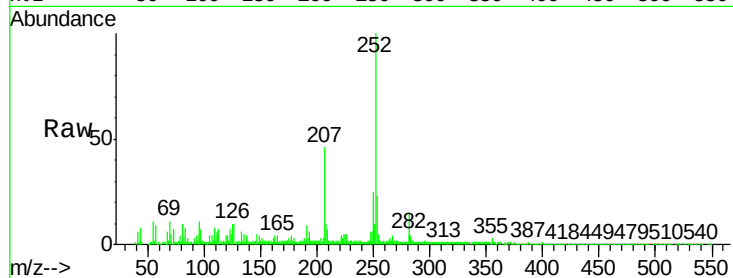
ClientSampleId :

B-12(0-1)-101317

Tgt Ion:	252	Resp:	363284
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	10.4	9.0	13.6

Manual Integrations
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#91

Indeno(1,2,3-cd)pyrene

Concen: 6.272 ng/ul

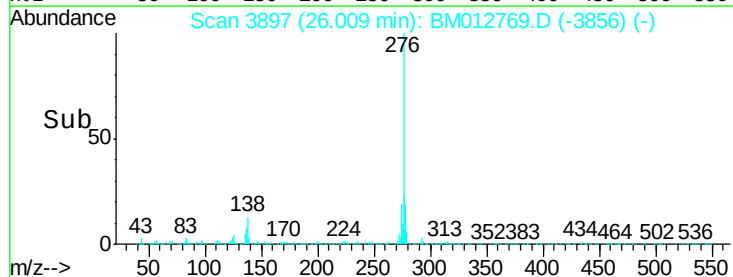
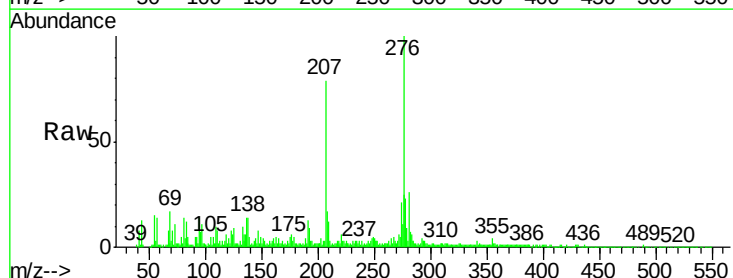
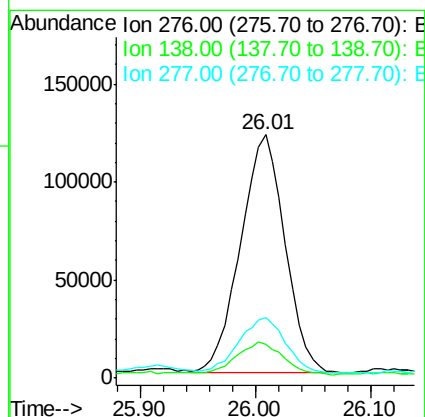
RT: 26.01 min Scan# 3897

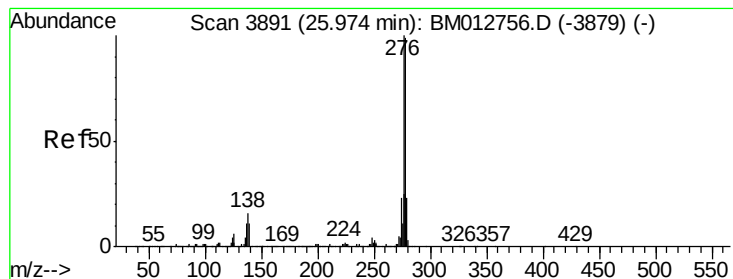
Delta R.T. 0.04 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion:	276	Resp:	325533
Ion Ratio	Lower	Upper	
276	100		
138	14.0	22.3	33.5#
277	25.0	20.2	30.2





#92

Dibenzo(a,h)anthracene

Concen: 2.064 ng/ul

RT: 26.00 min Scan# 3896

Delta R.T. 0.03 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

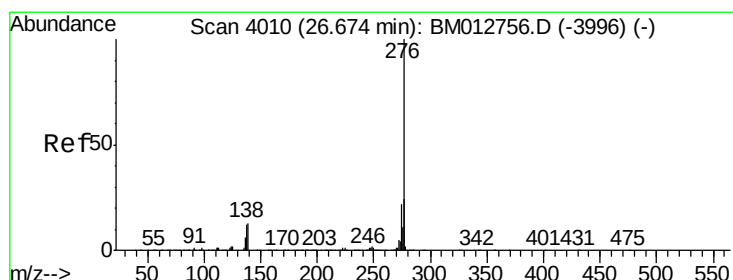
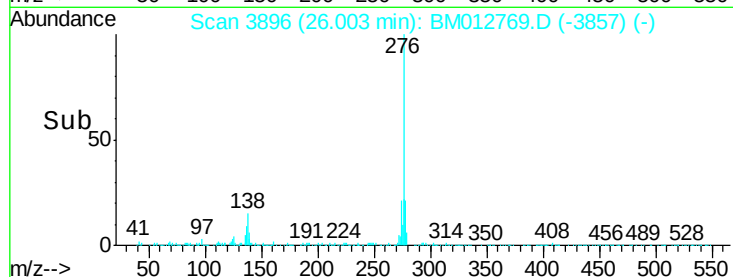
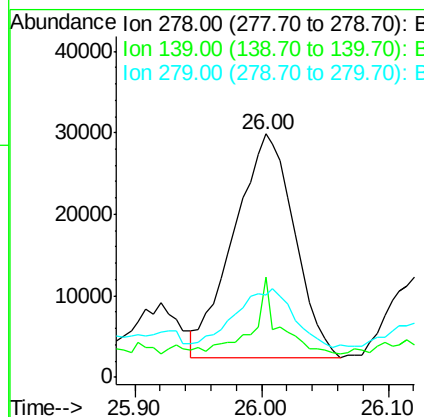
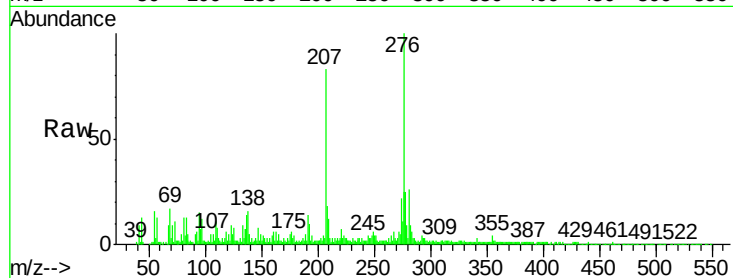
ClientSampleId :

B-12(0-1)-101317

Tgt Ion:	278	Resp:	90680
Ion Ratio	Lower	Upper	
278	100		
139	41.3	13.9	20.9#
279	33.9	19.0	28.4#

Manual Integrations
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11/7/2017 5:35:08 PM



#93

Benzo(g,h,i)perylene

Concen: 6.829 ng/ul

RT: 26.72 min Scan# 4018

Delta R.T. 0.05 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion:	276	Resp:	292095
Ion Ratio	Lower	Upper	
276	100		
138	15.2	18.9	28.3#
277	25.8	19.2	28.8

