

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
 Data File : BM012758.D
 Acq On : 06 Nov 2017 02:48
 Operator : SJ/JU
 Sample : I5825-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-64(1.5-2.5)-101117

Manual Integrations
 APPROVED

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Quant Time: Nov 06 07:30:07 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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	146476	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	620987	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	389470	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	865674	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	690575	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	737697	20.00	ng/ul	0.00

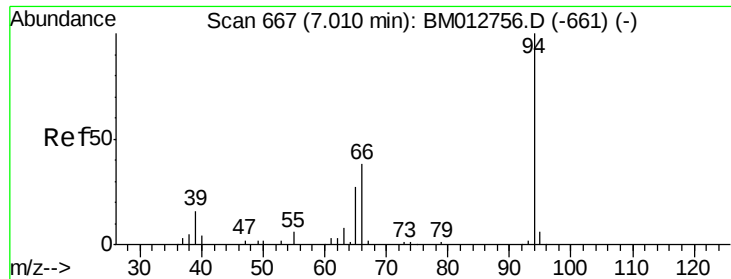
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	11435	4.22	ng/uL	0.00
5) Phenol-d5	6.99	99	296561	27.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	163449	27.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	254751	28.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	204219	21.71	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	130966	28.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	147703	28.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	293459	27.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	101576	9.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	941496	29.21	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1175035	29.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	85742	16.60	ng/ul	0.00
57) Fluorene-d10	15.44	176	855282	30.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	70595	12.35	ng/ul	0.00
70) Anthracene-d10	17.29	188	1268808	30.34	ng/ul	0.00
78) Pyrene-d10	19.59	212	1170471	36.53	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1071427	30.72	ng/ul	0.01

Target Compounds

					Qvalue
6) Phenol	7.01	94	44667	3.992	ng/ul# 90
44) Dimethylphthalate	13.90	163	517092	16.168	ng/ul 99
47) Acenaphthylene	14.17	152	135637	3.510	ng/ul 98
58) Fluorene	15.50	166	39036	1.224	ng/ul 98
69) Phenanthrene	17.23	178	591236	12.495	ng/ul 99
71) Anthracene	17.33	178	181511	3.700	ng/ul 99
74) Carbazole	17.59	167	50379	1.231	ng/ul 96
75) Di-n-butylphthalate	18.16	149	236458	4.932	ng/ul 100
76) Fluoranthene	19.25	202	1275607	22.435	ng/ul# 92
79) Pyrene	19.62	202	1108315m	26.900	ng/ul
80) Butylbenzylphthalate	20.51	149	30872	2.055	ng/ul# 94
82) Benzo(a)anthracene	21.36	228	635922	15.218	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.29	149	77605	3.545	ng/ul# 90
84) Chrysene	21.41	228	594433	15.696	ng/ul 97
87) Benzo(b)fluoranthene	22.97	252	915575	20.309	ng/ul 95
88) Benzo(k)fluoranthene	23.01	252	283262m	6.610	ng/ul
90) Benzo(a)pyrene	23.56	252	631432	14.720	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.98	276	506013	9.787	ng/ul# 87
92) Dibenzo(a,h)anthracene	25.99	278	139346	3.184	ng/ul# 90
93) Benzo(g,h,i)perylene	26.69	276	455259	10.686	ng/ul# 92

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



#6

Phenol

Concen: 3.992 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. -0.00 min

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Instrument :

BNA_M

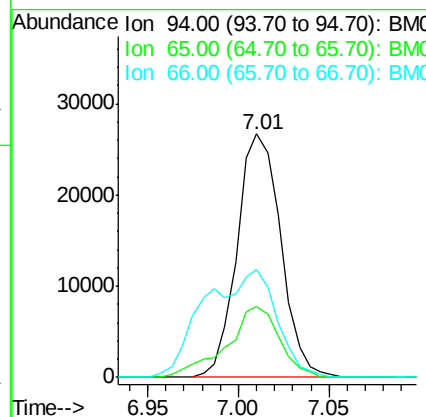
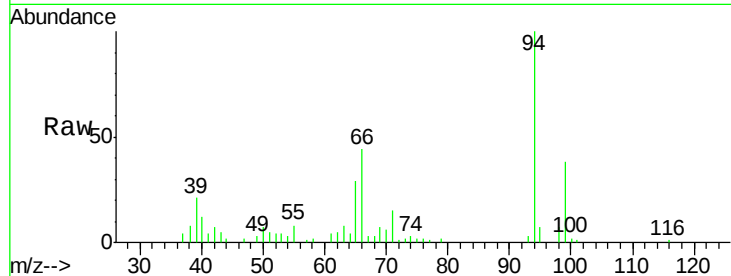
ClientSampleId :

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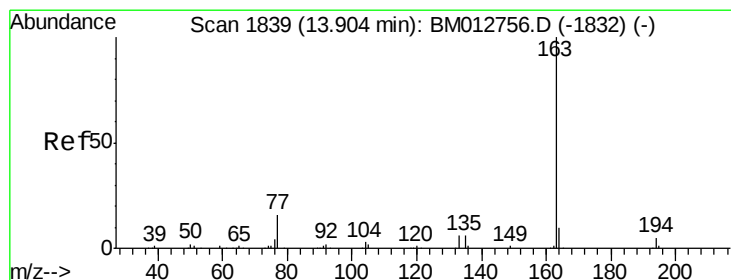
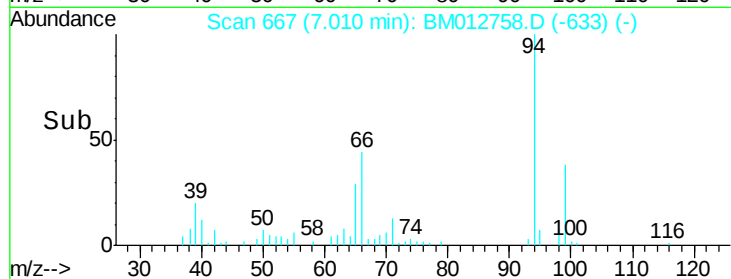
Tgt Ion:	94	Resp:	44667
Ion	Ratio	Lower	Upper
94	100		
65	29.1	21.0	31.6
66	44.5	29.3	43.9#

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#44

Dimethylphthalate

Concen: 16.168 ng/ul

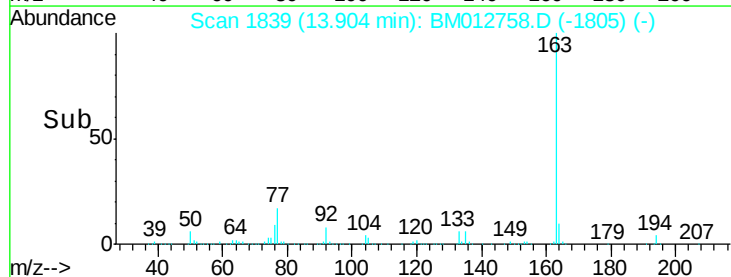
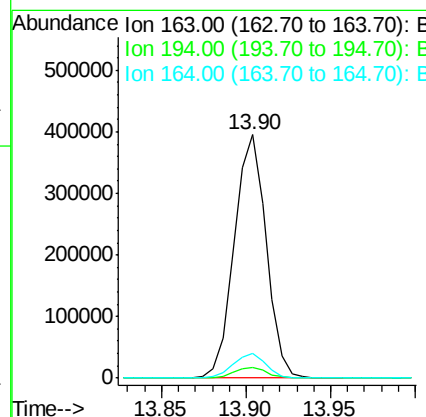
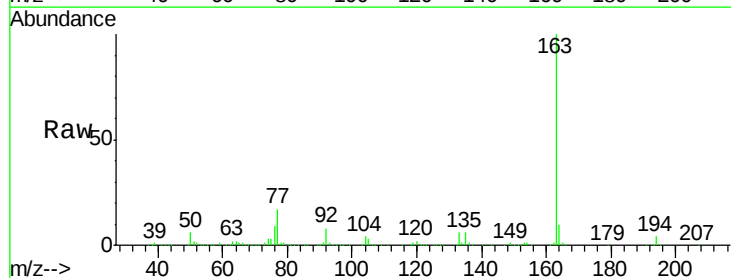
RT: 13.90 min Scan# 1839

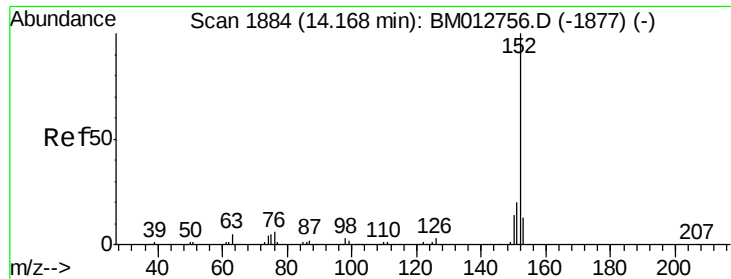
Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Tgt Ion:	163	Resp:	517092
Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	10.0	7.8	11.8





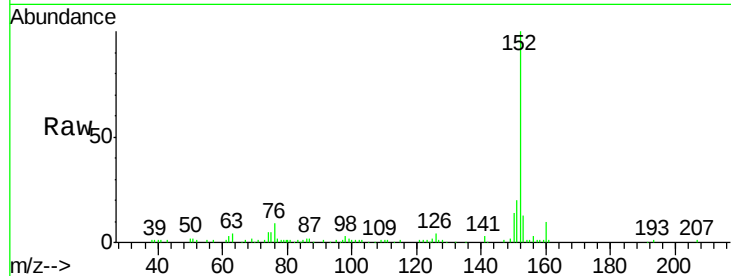
#47
Acenaphthylene
Concen: 3.510 ng/ul
RT: 14.17 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Instrument :
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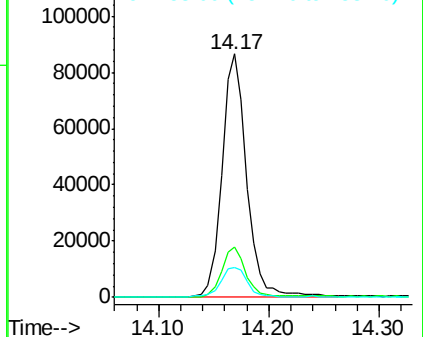
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	12.5	10.5	15.7

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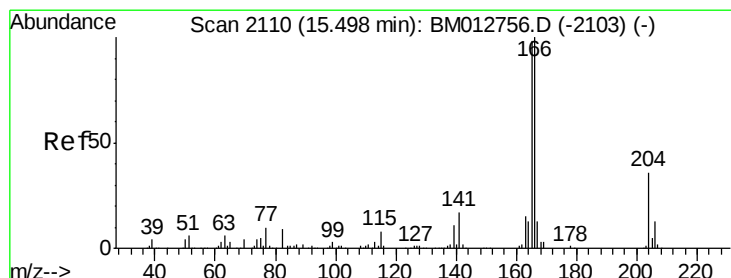
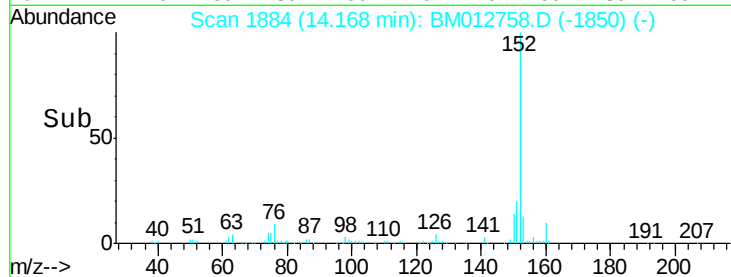
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

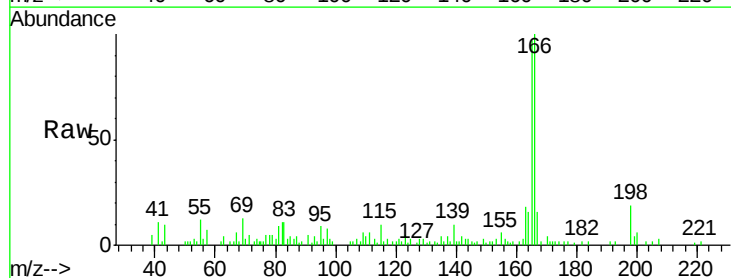


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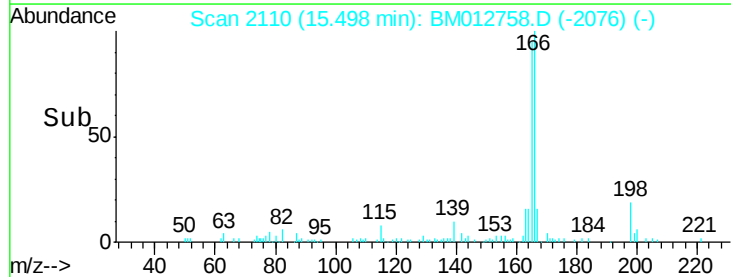
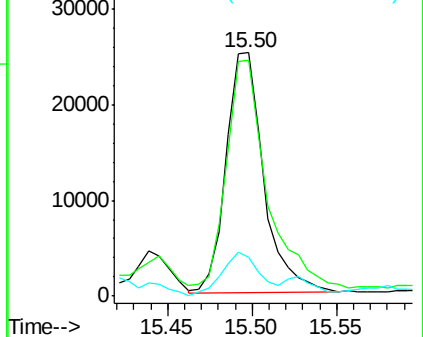


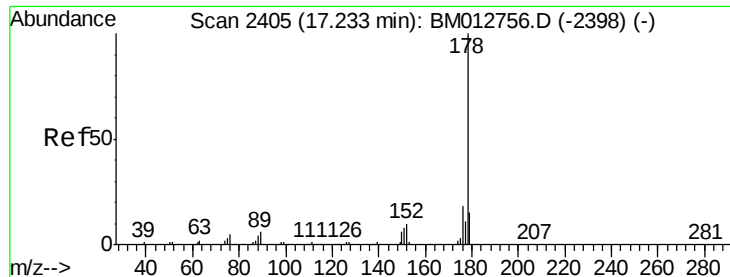
#58
Fluorene
Concen: 1.224 ng/ul
RT: 15.50 min Scan# 2110
Delta R.T. -0.00 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.5	117.7
167	16.0	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 12.495 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

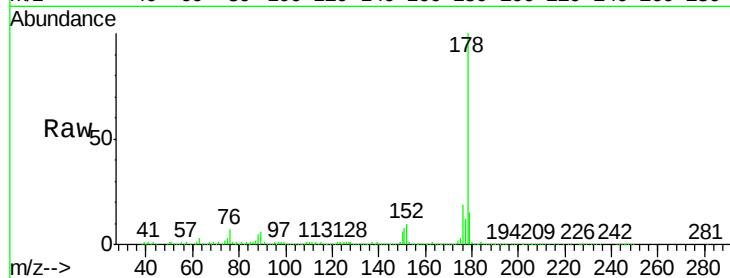
ClientSampleId :

B-64(1.5-2.5)-101117

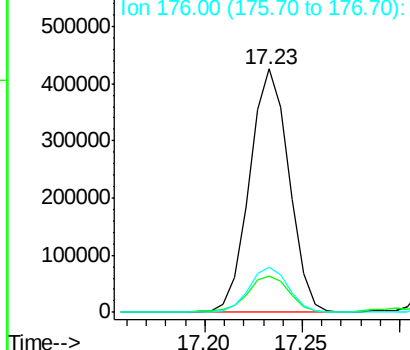
Tgt Ion:	178	Resp:	591236
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.2	18.4
176	18.5	15.6	23.4

Manual Integrations
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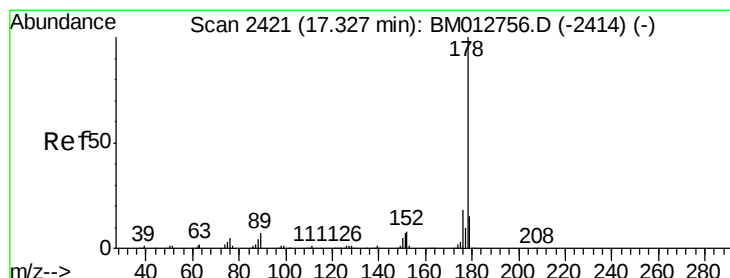
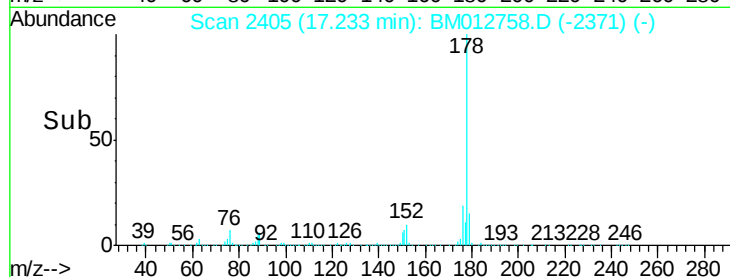
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



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#71

Anthracene

Concen: 3.700 ng/ul

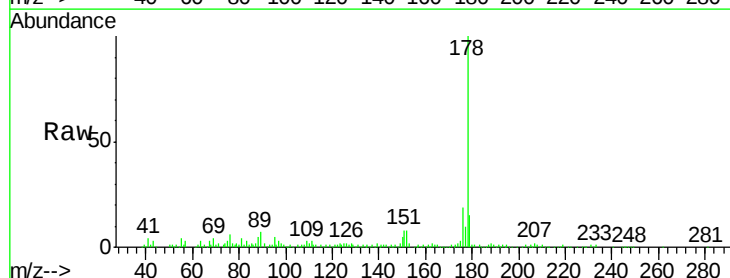
RT: 17.33 min Scan# 2421

Delta R.T. -0.00 min

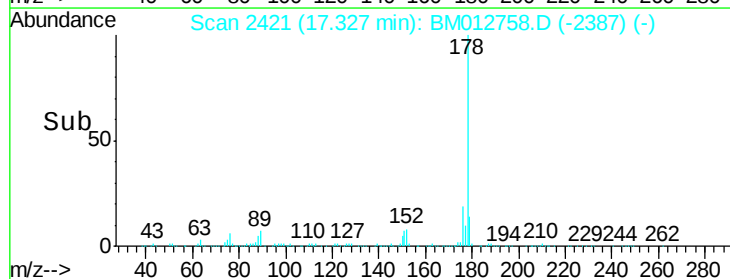
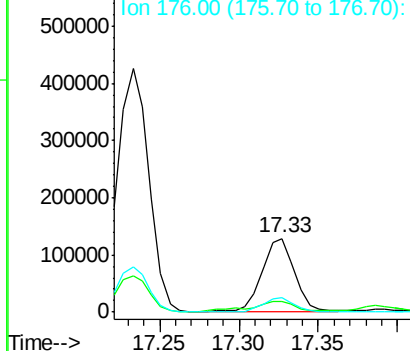
Lab File: BM012758.D

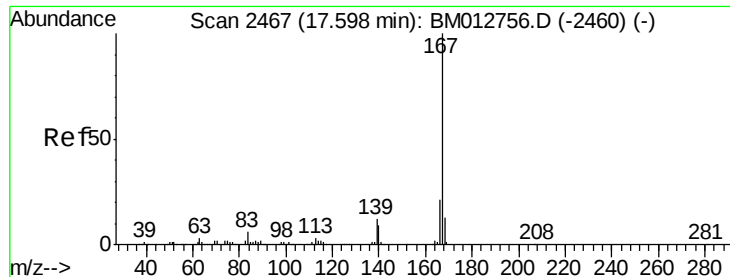
Acq: 06 Nov 2017 02:48

Tgt Ion:	178	Resp:	181511
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.1	18.1
176	19.0	14.8	22.2



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

Carbazole

Concen: 1.231 ng/ul

RT: 17.59 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

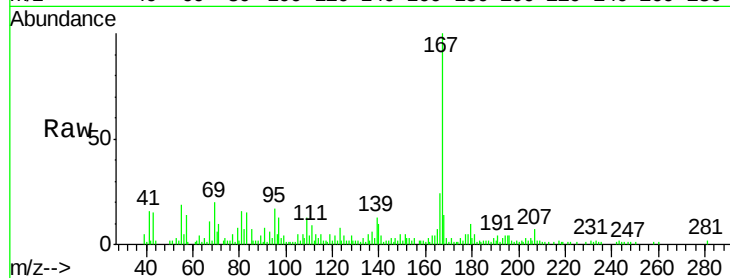
ClientSampleId :

B-64(1.5-2.5)-101117

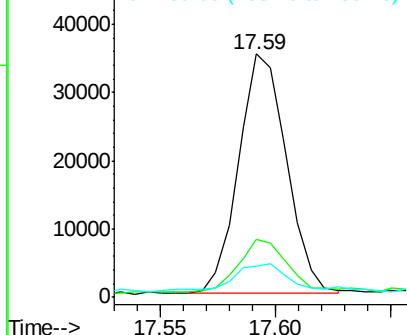
Tgt Ion:	167	Resp:	50379
Ion Ratio		Lower	Upper
167	100		
166	23.7	17.0	25.6
139	13.0	11.0	16.4

Manual Integrations
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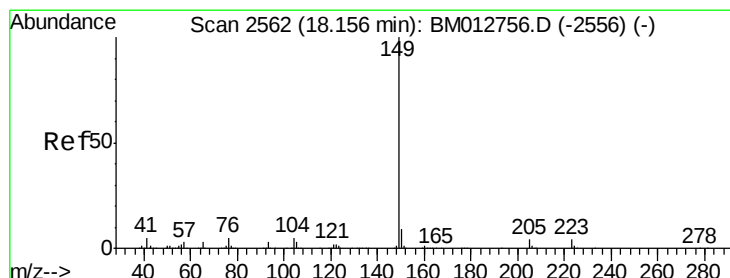
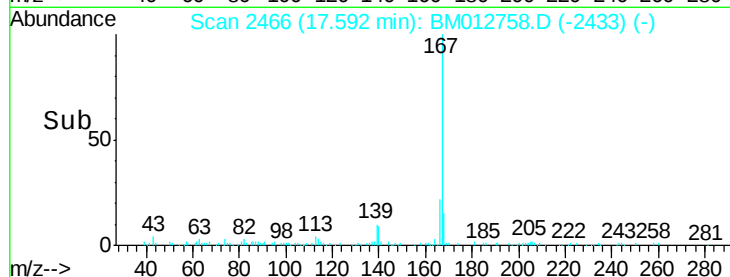
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



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#75

Di-n-butylphthalate

Concen: 4.932 ng/ul

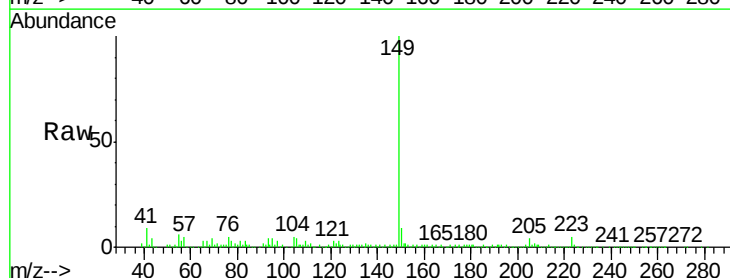
RT: 18.16 min Scan# 2562

Delta R.T. -0.00 min

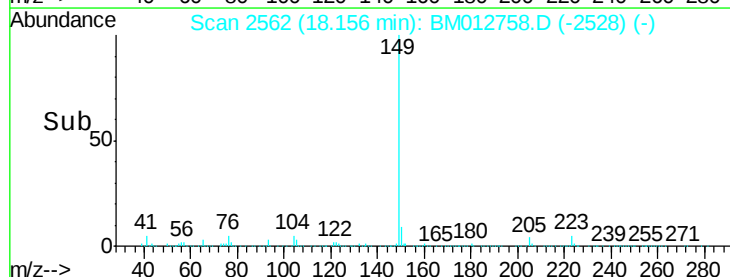
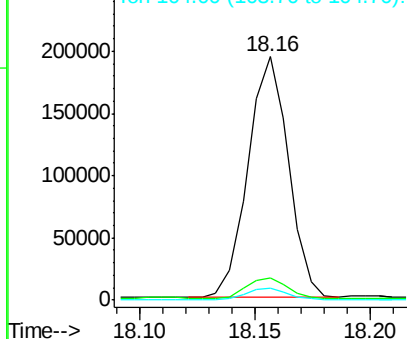
Lab File: BM012758.D

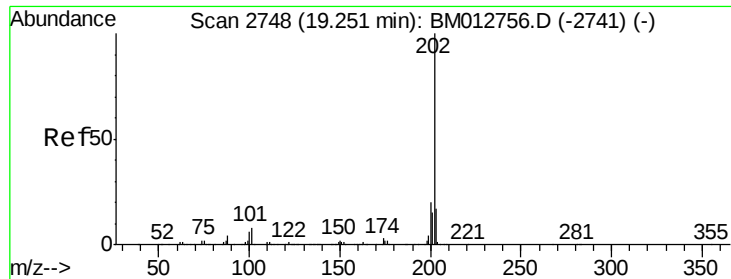
Acq: 06 Nov 2017 02:48

Tgt Ion:	149	Resp:	236458
Ion Ratio		Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.8	4.0	6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





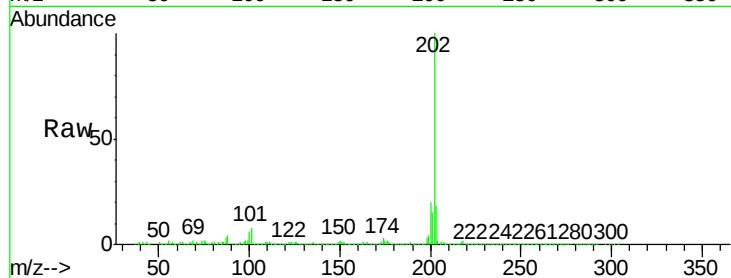
#76
Fluoranthene
Concen: 22.435 ng/ul
RT: 19.25 min Scan# 2748
Delta R.T. -0.00 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Instrument :
BNA_M
ClientSampleId :
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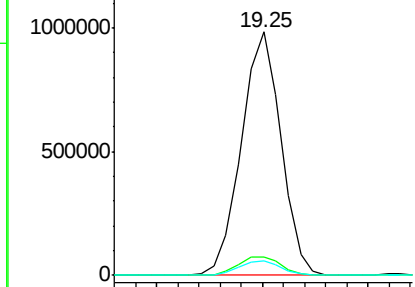
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	8.8	13.2#
100	6.1	6.6	9.8#

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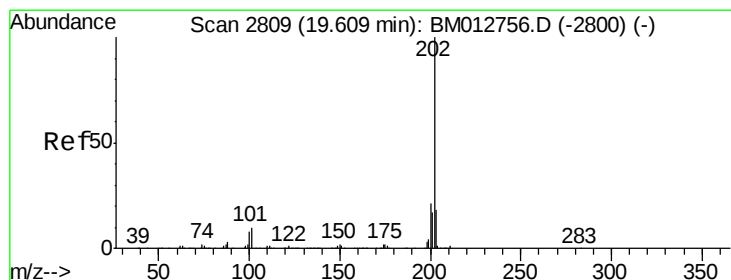
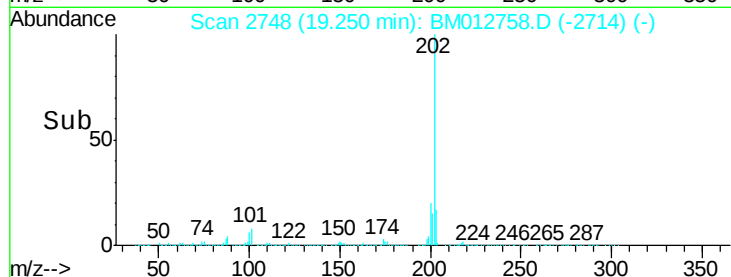
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

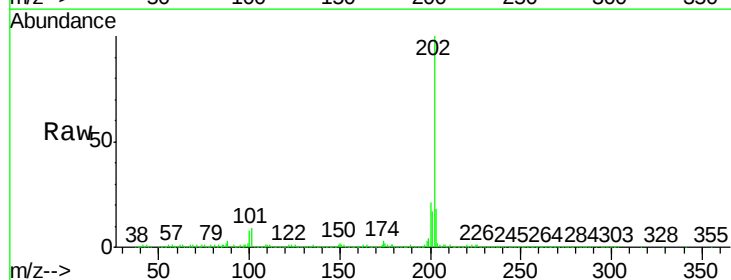


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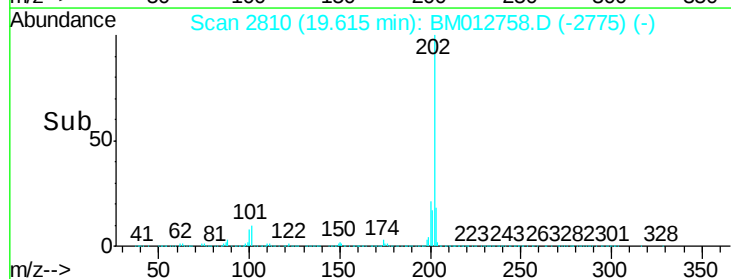
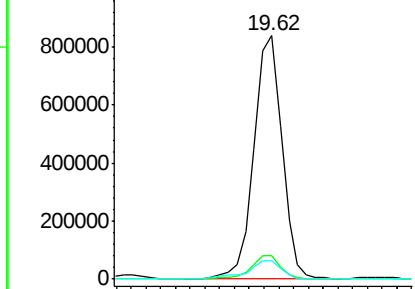


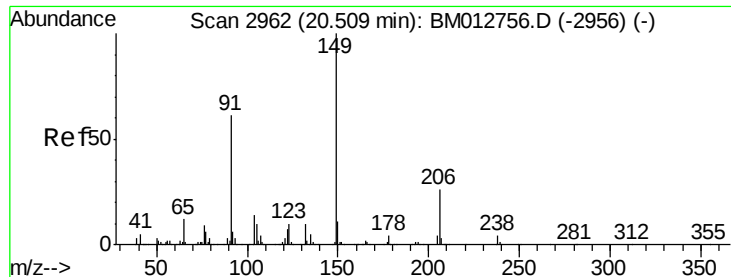
#79
Pyrene
Concen: 26.900 ng/ul m
RT: 19.62 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	10.2	15.2#
100	7.6	8.5	12.7#



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

Butylbenzylphthalate

Concen: 2.055 ng/ul

RT: 20.51 min Scan# 2962

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

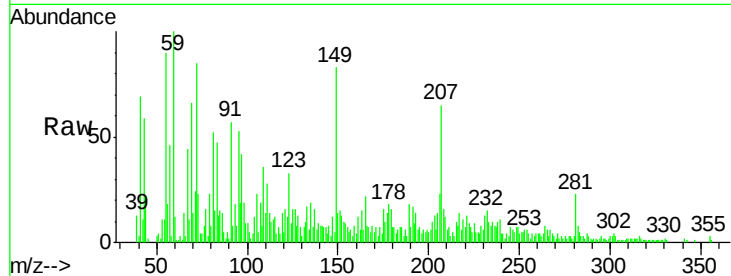
ClientSampleId :

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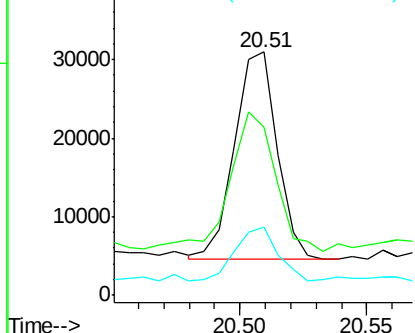
Tgt Ion:	149	Resp:	30872
Ion Ratio	Lower	Upper	
149	100		
91	69.1	53.4	80.2
206	27.8	16.6	24.8

Manual Integrations
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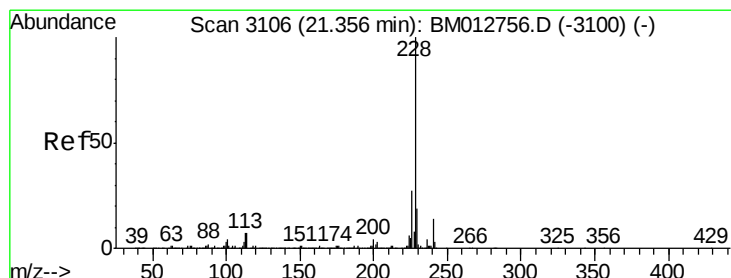
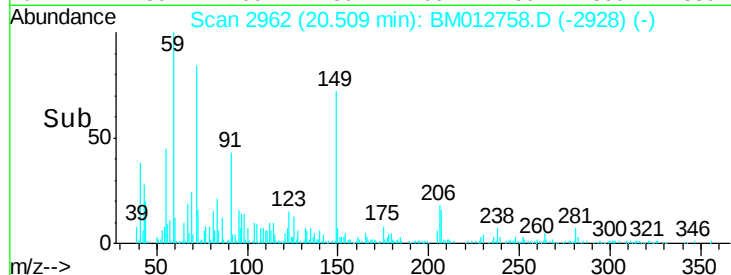
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM012756.D (-2956) (-)
Ion 206.00 (205.70 to 206.70): E



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#82

Benzo(a)anthracene

Concen: 15.218 ng/ul

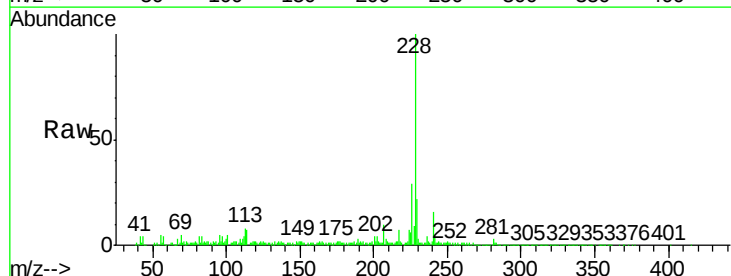
RT: 21.36 min Scan# 3106

Delta R.T. -0.00 min

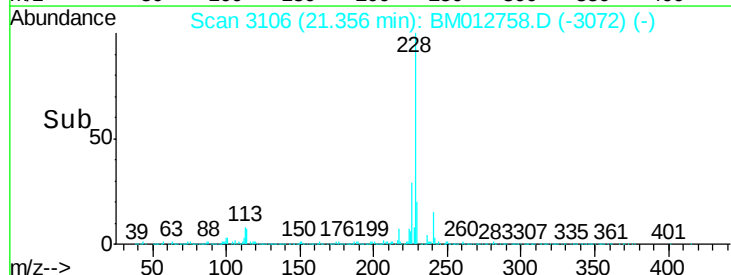
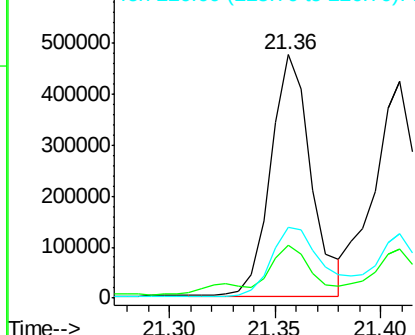
Lab File: BM012758.D

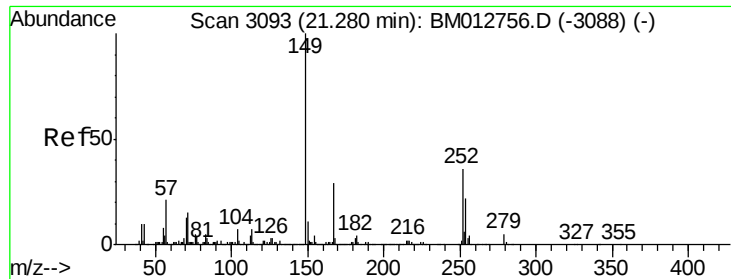
Acq: 06 Nov 2017 02:48

Tgt Ion:	228	Resp:	635922
Ion Ratio	Lower	Upper	
228	100		
229	21.9	15.7	23.5
226	29.3	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





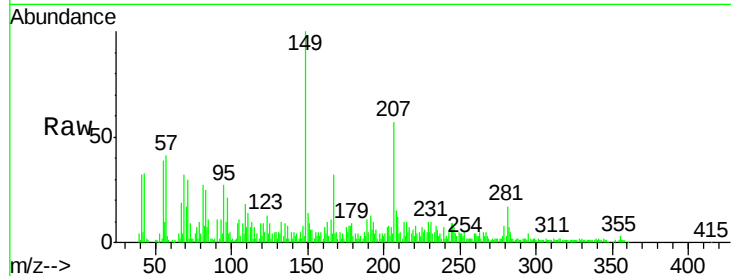
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.545 ng/ul
 RT: 21.29 min Scan# 3094
 Delta R.T. 0.01 min
 Lab File: BM012758.D
 Acq: 06 Nov 2017 02:48

Instrument :
 BNA_M
 ClientSampleId :
 B-64(1.5-2.5)-101117

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.7	21.6	32.4
279	7.7	3.0	4.4

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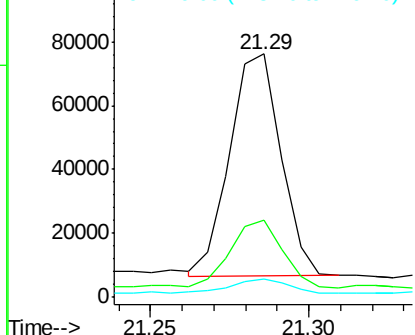


Abundance

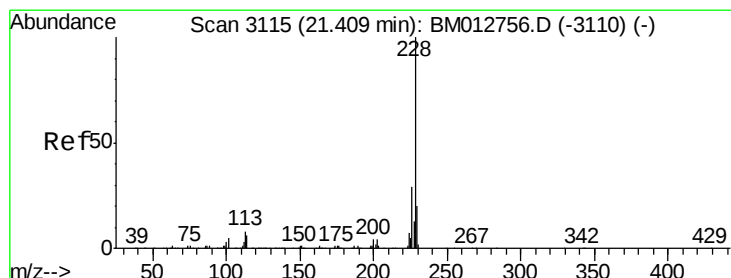
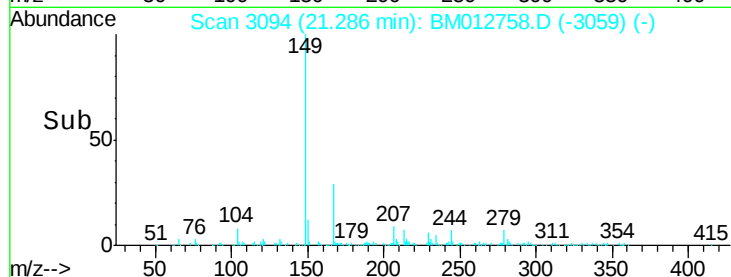
Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

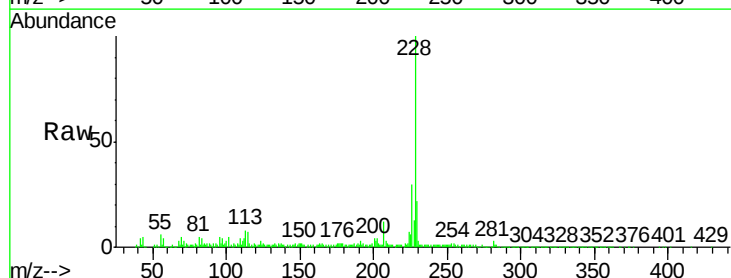


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#84
 Chrysene
 Concen: 15.696 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. -0.00 min
 Lab File: BM012758.D
 Acq: 06 Nov 2017 02:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	22.3	15.6	23.4

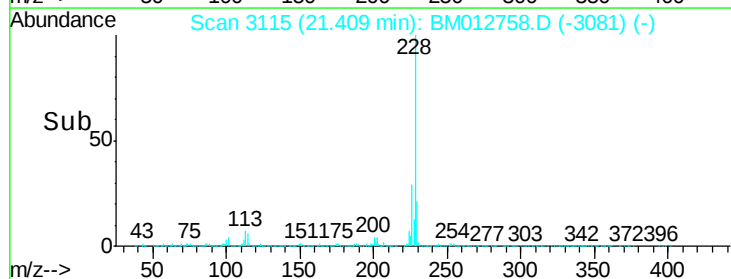
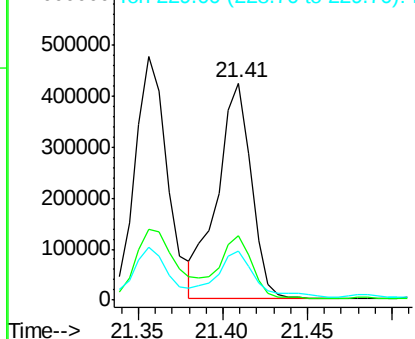


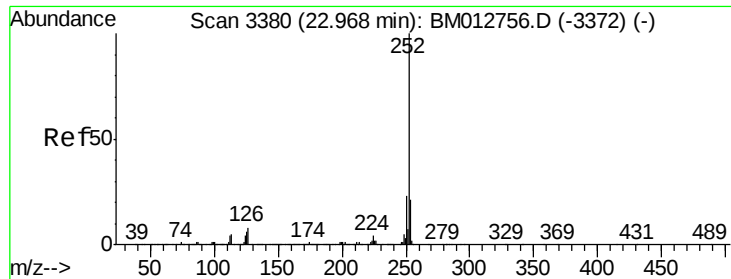
Abundance

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





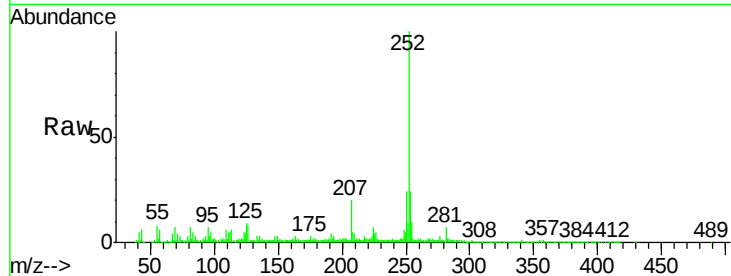
#87
Benzo(b)fluoranthene
Concen: 20.309 ng/ul
RT: 22.97 min Scan# 3381
Delta R.T. 0.01 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Instrument :
BNA_M
ClientSampleId :
B-64(1.5-2.5)-101117

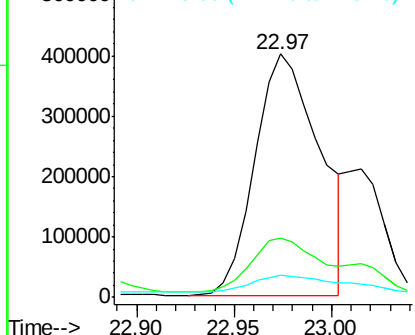
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	8.9	8.5	12.7

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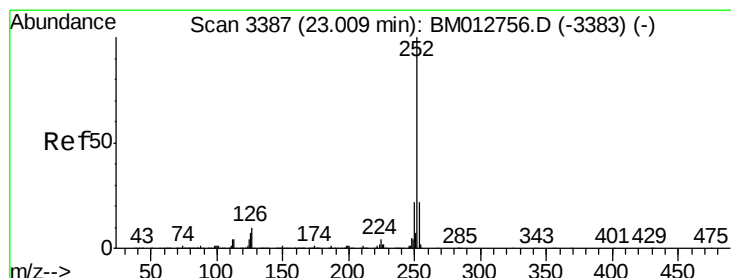
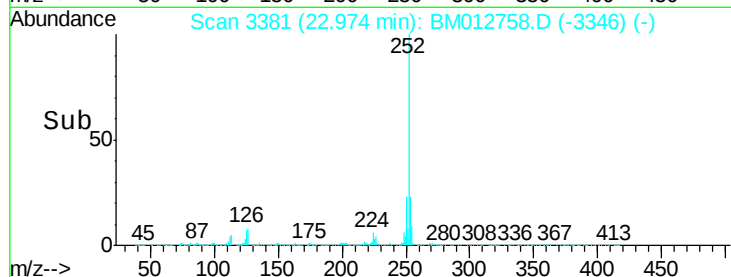
Sohil



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

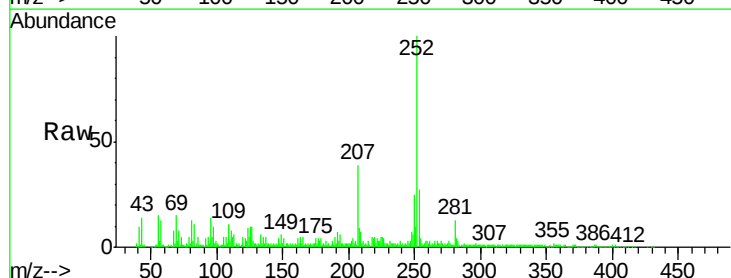


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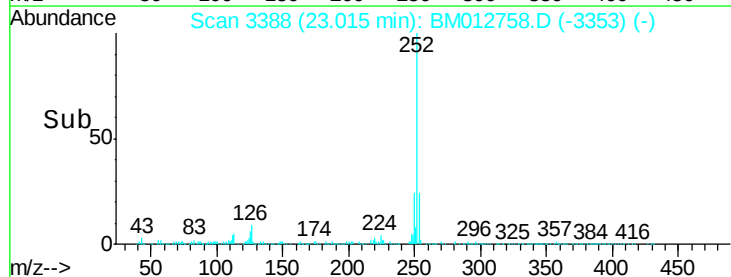
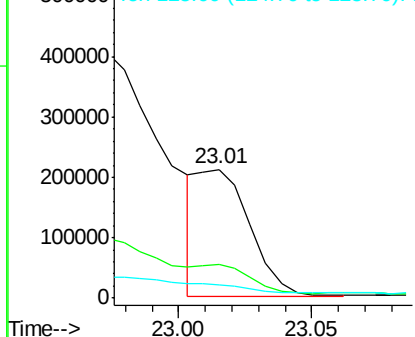


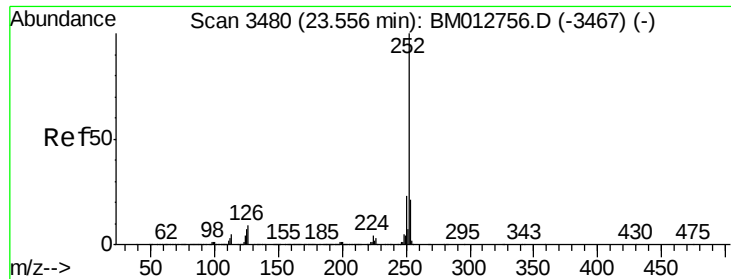
#88
Benzo(k)fluoranthene
Concen: 6.610 ng/ul m
RT: 23.01 min Scan# 3388
Delta R.T. 0.01 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.3	25.9#
125	10.1	8.2	12.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 14.720 ng/ul

RT: 23.56 min Scan# 3481

Delta R.T. 0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

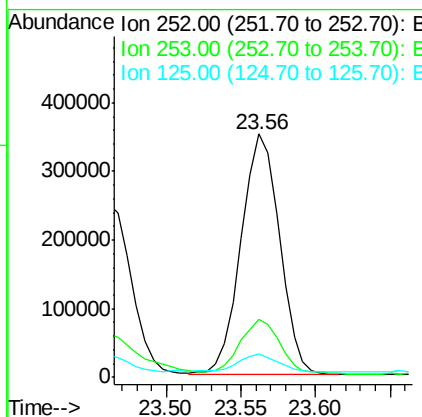
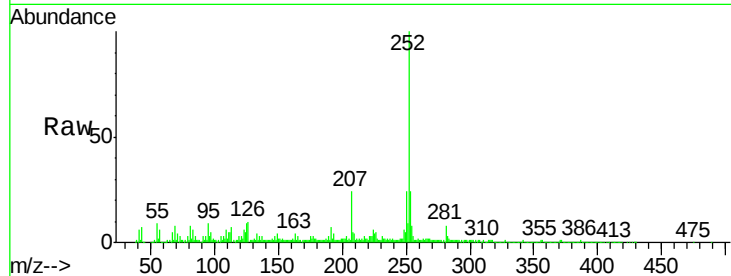
ClientSampleId :

B-64(1.5-2.5)-101117

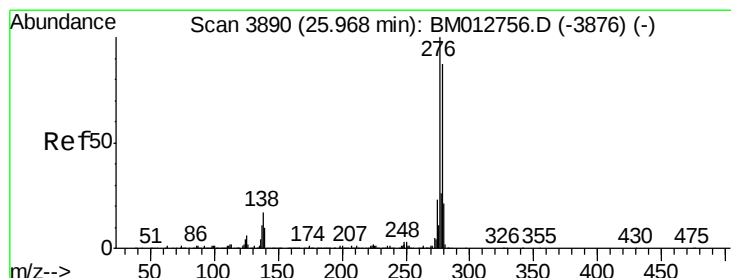
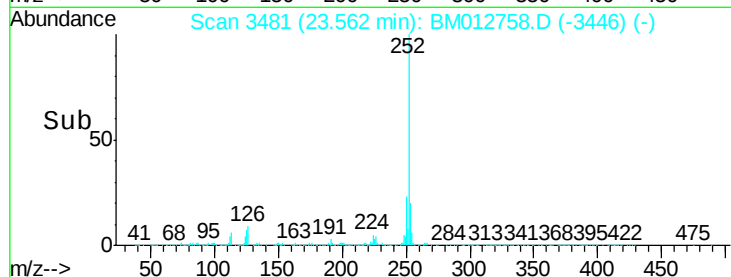
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	631432		
253	23.6	17.2	25.8	
125	9.5	9.0	13.6	

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#91

Indeno(1,2,3-cd)pyrene

Concen: 9.787 ng/ul

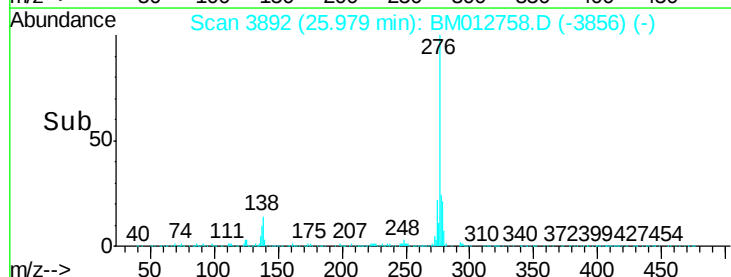
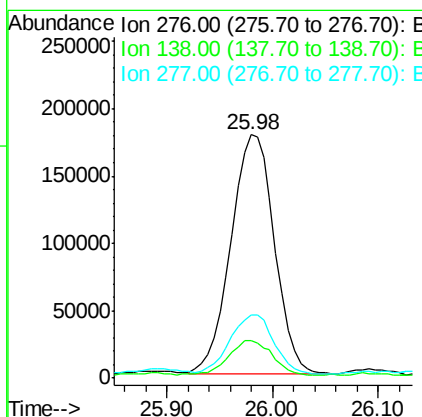
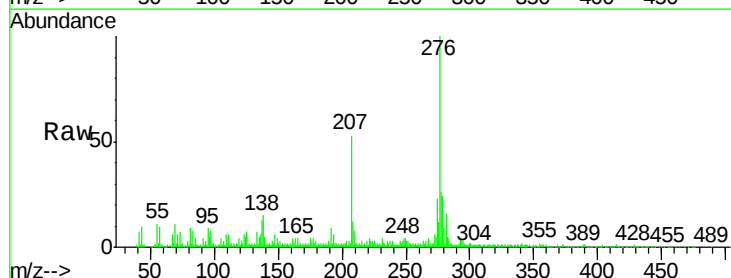
RT: 25.98 min Scan# 3892

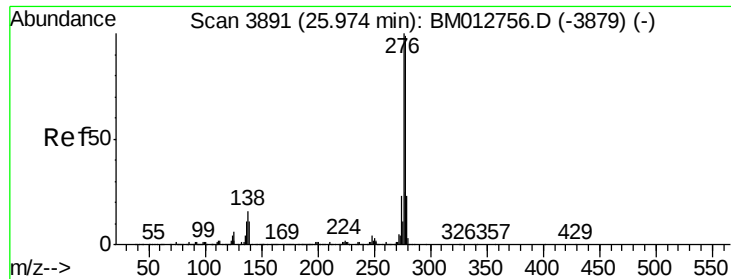
Delta R.T. 0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	506013		
138	15.2	22.3	33.5#	
277	26.0	20.2	30.2	





#92

Dibenzo(a,h)anthracene

Concen: 3.184 ng/ul

RT: 25.99 min Scan# 3893

Delta R.T. 0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

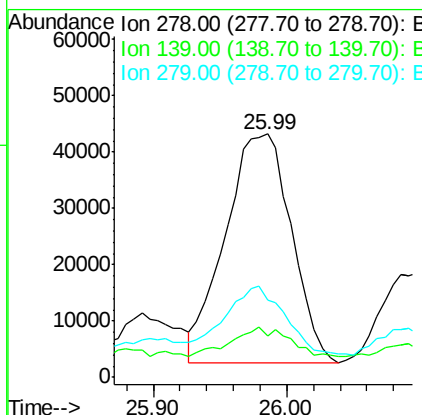
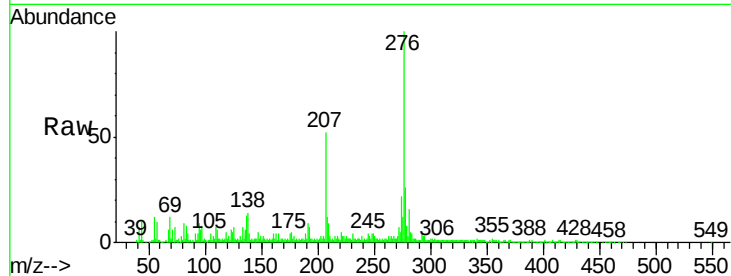
ClientSampleId :

B-64(1.5-2.5)-101117

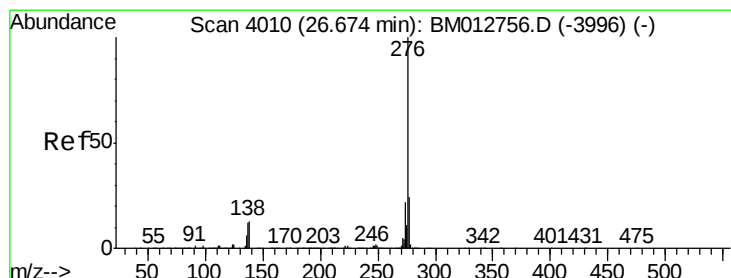
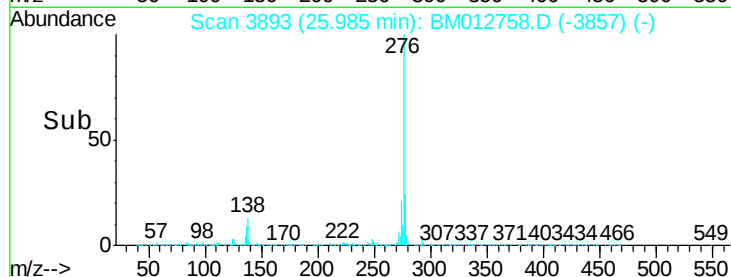
Tgt Ion:	278	Resp:	139346
Ion Ratio	Lower	Upper	
278	100		
139	17.0	13.9	20.9
279	31.6	19.0	28.4#

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 10.686 ng/ul

RT: 26.69 min Scan# 4013

Delta R.T. 0.02 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Tgt Ion:	276	Resp:	455259
Ion Ratio	Lower	Upper	
276	100		
138	15.8	18.9	28.3#
277	24.5	19.2	28.8

