

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110417\
 Data File : BM012738.D
 Acq On : 05 Nov 2017 09:37
 Operator : SJ/JU
 Sample : I5933-01 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-9(0-1) 101617

Manual Integrations
 APPROVED

Sohil
 11/6/2017 4:24:52 PM

Quant Time: Nov 06 05:36:45 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 03:22:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	132595	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	523632	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	298228	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	585097	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	598115	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	688471	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	1932	0.79	ng/uL	0.00
5) Phenol-d5	6.99	99	54539	5.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	29459	5.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	47780	5.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	44291	5.20	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	22508	5.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	25473	5.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	50946	5.61	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	14674	1.68	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	161619	6.55	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	190288	6.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	16983	4.29	ng/ul	0.02
57) Fluorene-d10	15.44	176	134499	6.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	4030	1.04	ng/ul	0.01
70) Anthracene-d10	17.30	188	196789	6.96	ng/ul	0.00
78) Pyrene-d10	19.59	212	192128	6.92	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	230457	7.08	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	10.66	128	69541	2.656 ng/ul	98
44) Dimethylphthalate	13.91	163	49381	2.016 ng/ul	96
47) Acenaphthylene	14.17	152	37906	1.281 ng/ul	98
49) Acenaphthene	14.52	153	78762	3.908 ng/ul	96
53) Dibenzofuran	14.85	168	62220	2.116 ng/ul	95
58) Fluorene	15.50	166	79306	3.247 ng/ul	99
69) Phenanthrene	17.24	178	1327865	41.521 ng/ul	99
71) Anthracene	17.33	178	249178	7.515 ng/ul	100
74) Carbazole	17.60	167	113341	4.098 ng/ul	97
75) Di-n-butylphthalate	18.16	149	69039	2.131 ng/ul	97
76) Fluoranthene	19.26	202	1963267m	51.087 ng/ul	
79) Pyrene	19.62	202	1777321	49.805 ng/ul#	92
82) Benzo(a)anthracene	21.36	228	930881	25.720 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.29	149	138980	7.331 ng/ul#	94
84) Chrysene	21.42	228	914955	27.894 ng/ul	97
87) Benzo(b)fluoranthene	22.99	252	1346594	32.006 ng/ul#	96
88) Benzo(k)fluoranthene	23.02	252	369373m	9.236 ng/ul	
90) Benzo(a)pyrene	23.57	252	944038m	23.581 ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.99	276	732829	15.188 ng/ul#	85
92) Dibenz(a,h)anthracene	25.99	278	176548	4.322 ng/ul#	94
93) Benzo(a,h,i)perylene	26.71	276	677868	17.050 ng/ul#	90

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BNA_M
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B-9(0-1) 101617

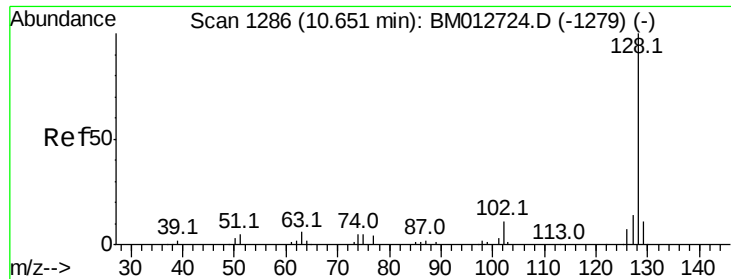
Manual Integrations
APPROVED

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11/6/2017 4:24:52 PM

Quant Time: Nov 06 05:36:45 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 03:22:07 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



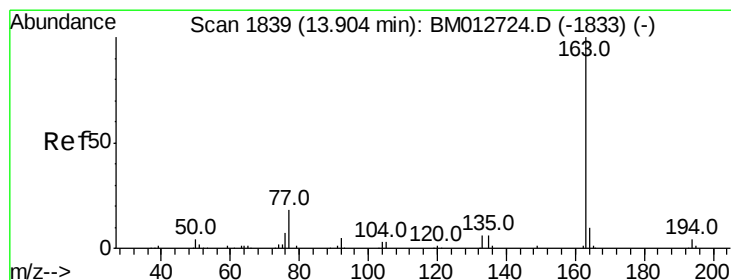
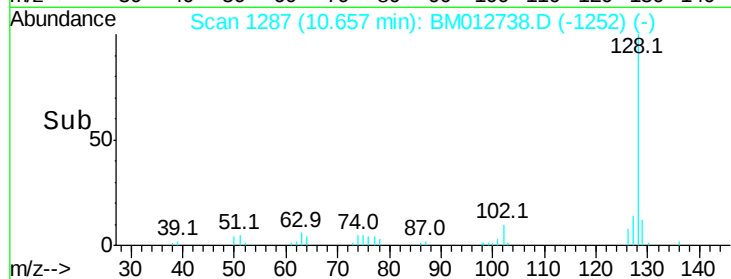
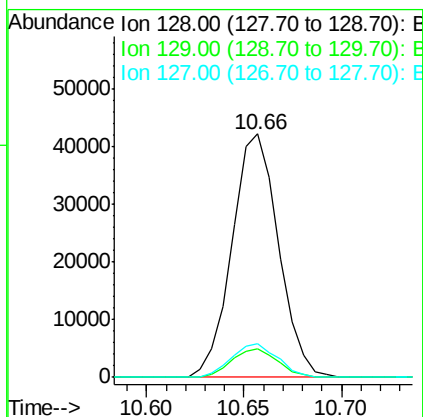
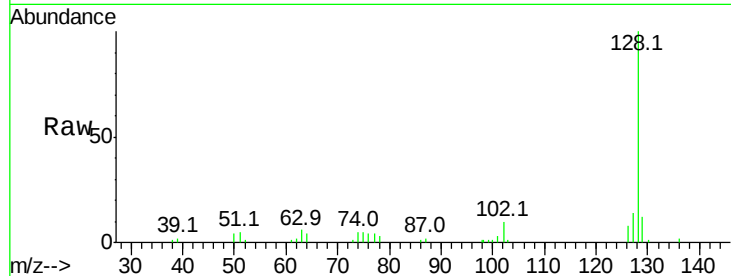
#28
Naphthalene
Concen: 2.656 ng/ul
RT: 10.66 min Scan# 1287
Delta R.T. 0.01 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Instrument :
BNA_M
ClientSampleId :
B-9(0-1) 101617

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	13.9	10.5	15.7

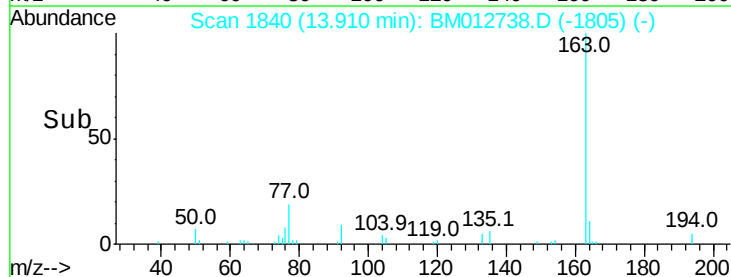
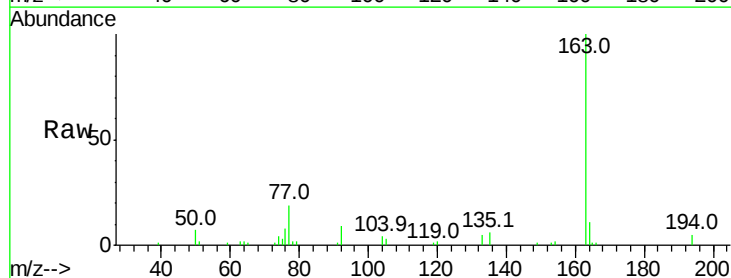
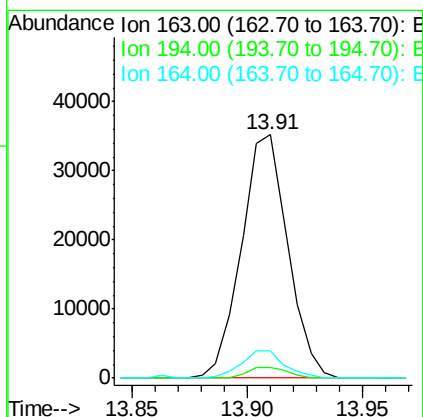
Manual Integrations
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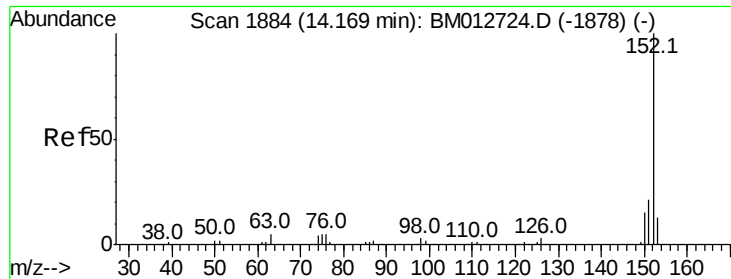
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#44
Dimethylphthalate
Concen: 2.016 ng/ul
RT: 13.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.2	4.8
164	11.4	7.8	11.8





#47

Acenaphthylene

Concen: 1.281 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Instrument :

BNA_M

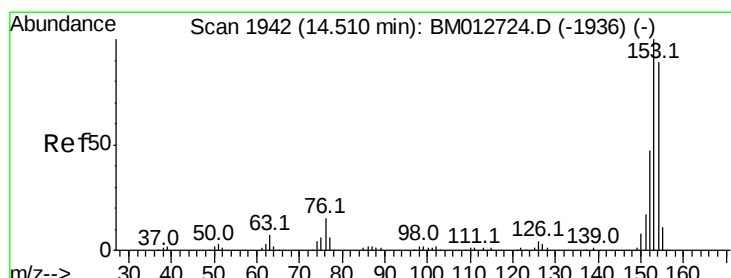
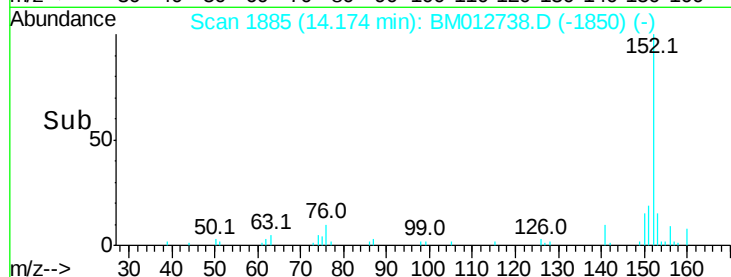
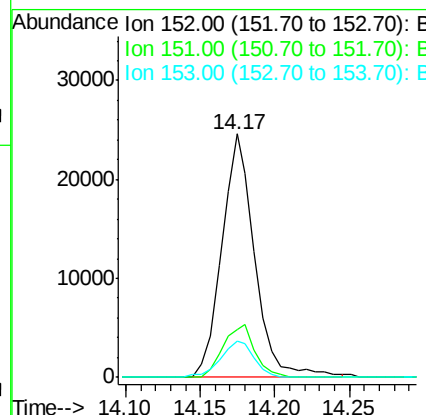
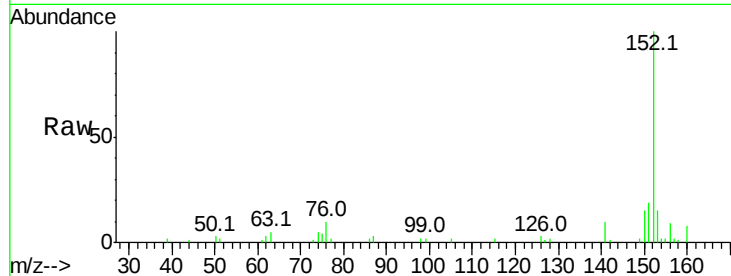
ClientSampleId :

B-9(0-1) 101617

Tot Ion:	152	Resp:	37906
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.7	23.5
153	14.7	10.5	15.7

Manual Integrations
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#49

Acenaphthene

Concen: 3.908 ng/ul

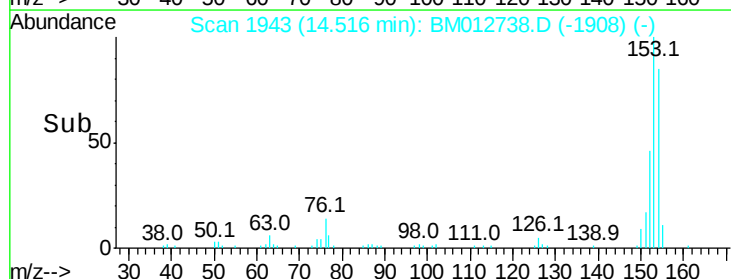
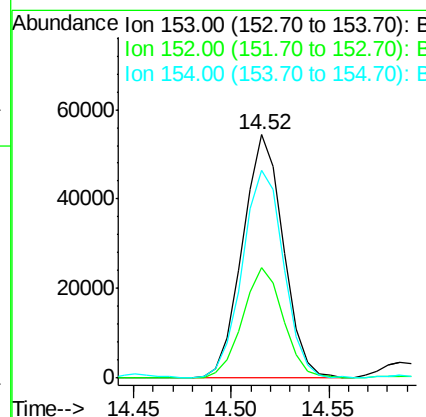
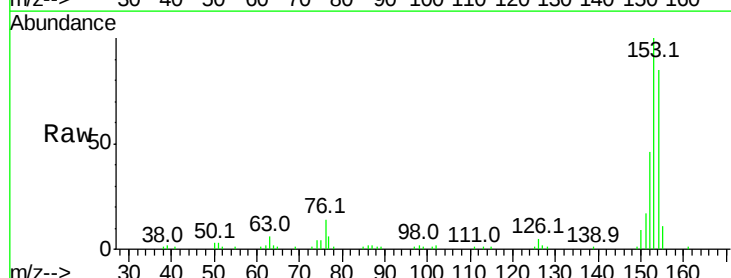
RT: 14.52 min Scan# 1943

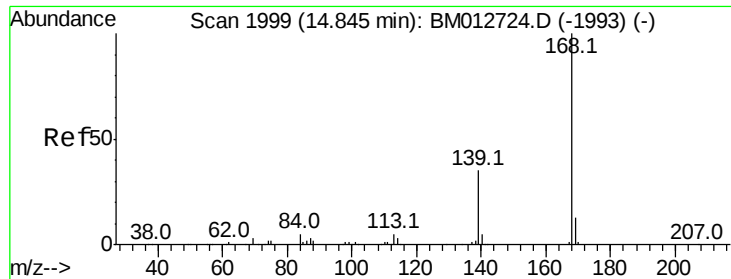
Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Tgt Ion:	153	Resp:	78762
Ion Ratio	Lower	Upper	
153	100		
152	45.5	38.3	57.5
154	85.2	71.8	107.8





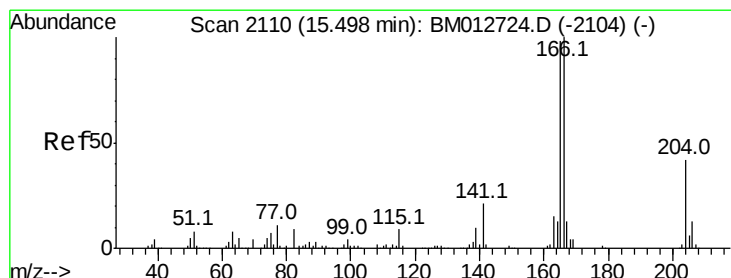
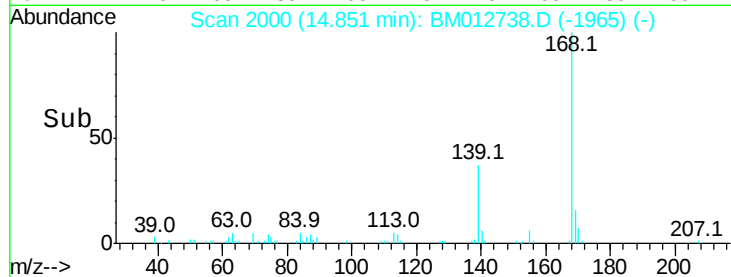
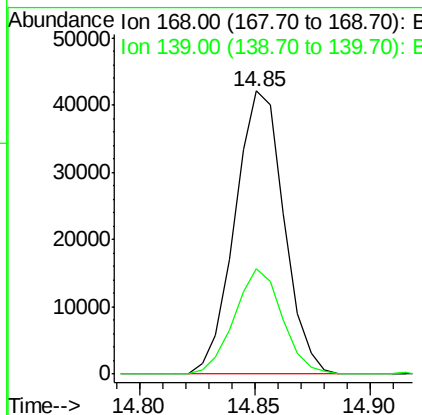
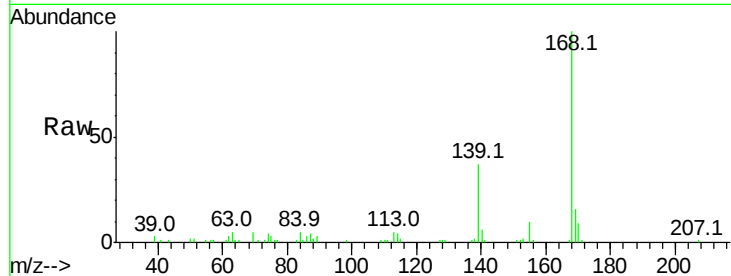
#53
Dibenzenofuran
Concen: 2.116 ng/ul
RT: 14.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Instrument :
BNA_M
ClientSampleId :
B-9(0-1) 101617

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	32.2	48.2

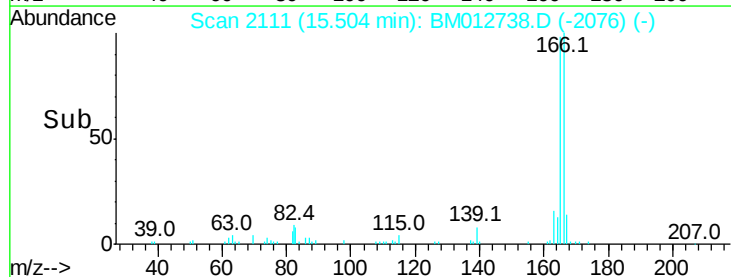
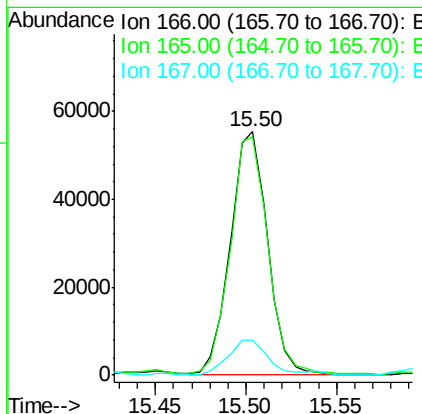
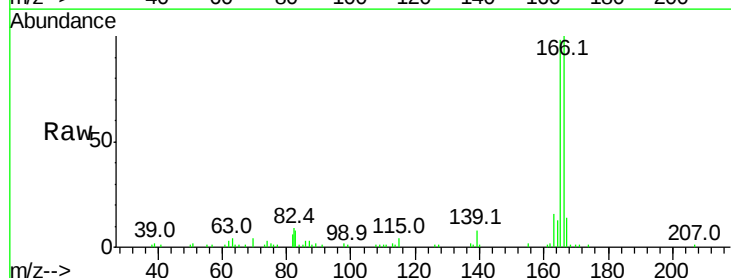
Manual Integrations
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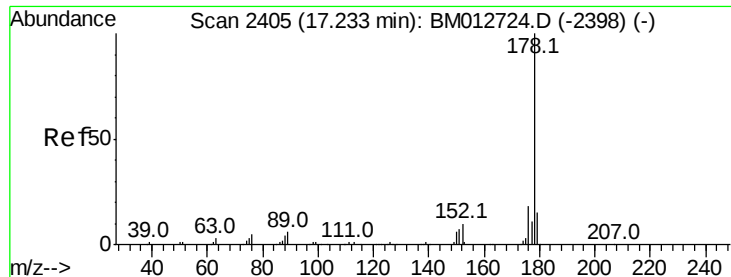
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#58
Fluorene
Concen: 3.247 ng/ul
RT: 15.50 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.5	117.7
167	14.5	10.7	16.1





#69

Phenanthrene

Concen: 41.521 ng/ul

RT: 17.24 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Instrument :

BNA_M

ClientSampleId :

B-9(0-1)_101617

Tot Ion:178 Resp: 1327865

Ion Ratio Lower Upper

178 100

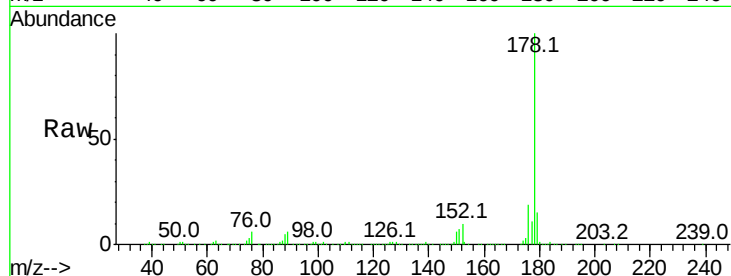
179 15.1 12.2 18.4

176 18.5 15.6 23.4

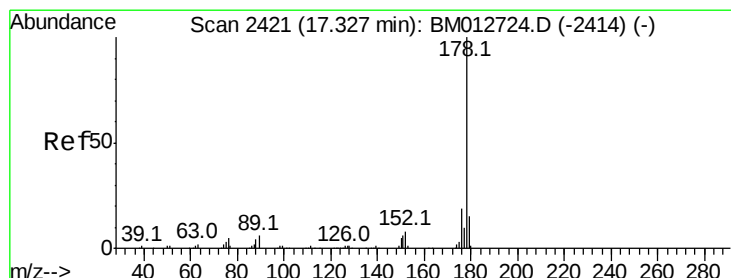
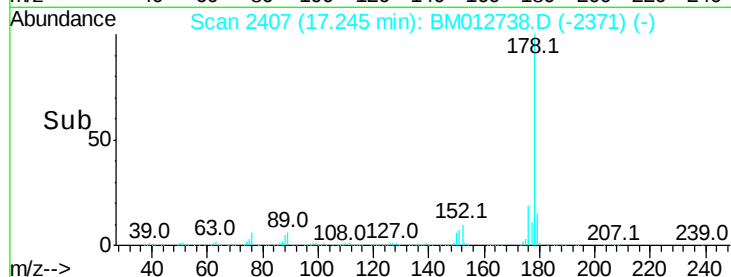
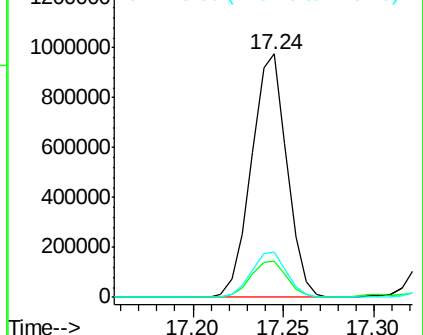
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 7.515 ng/ul

RT: 17.33 min Scan# 2422

Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

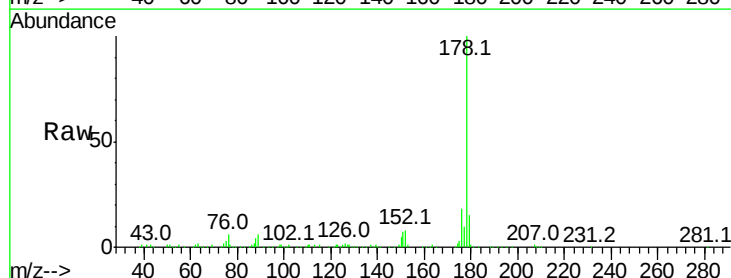
Tgt Ion:178 Resp: 249178

Ion Ratio Lower Upper

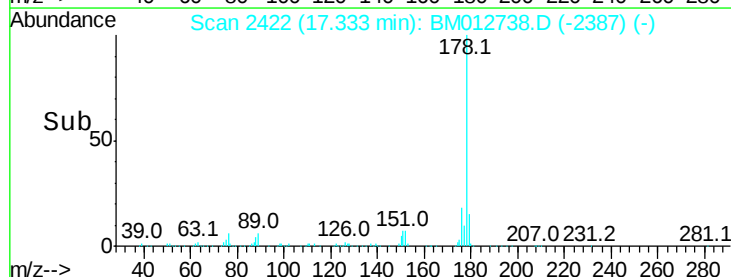
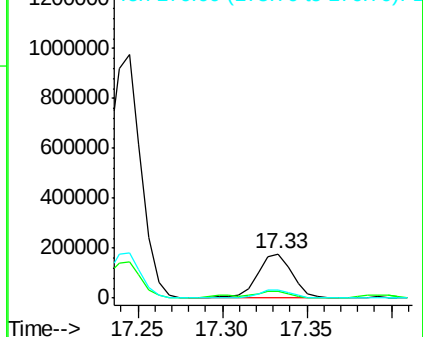
178 100

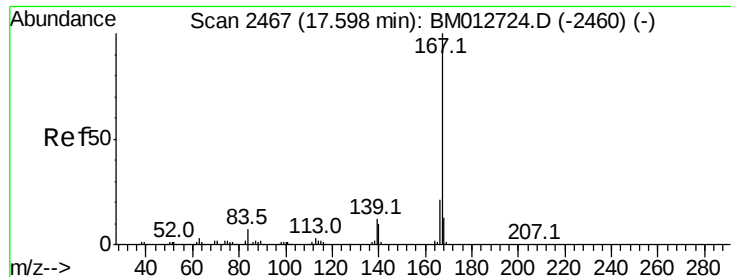
179 15.4 12.1 18.1

176 18.5 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: 4.098 ng/ul

RT: 17.60 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Instrument :

BNA_M

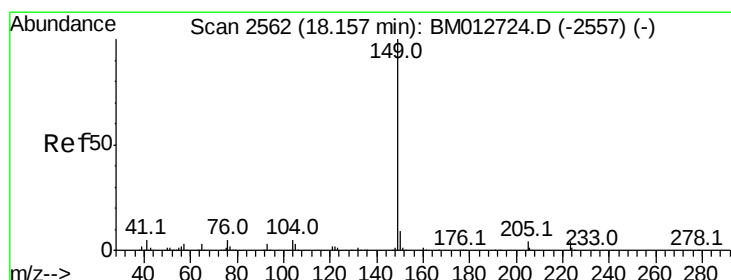
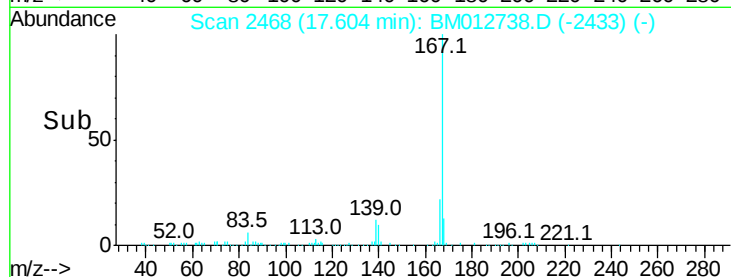
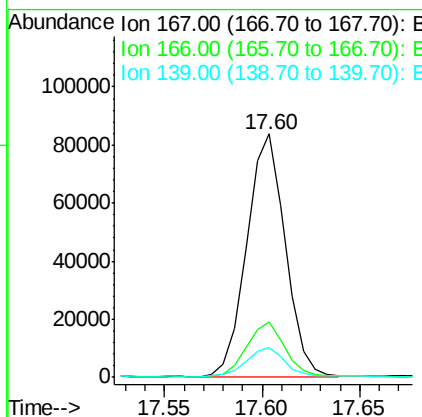
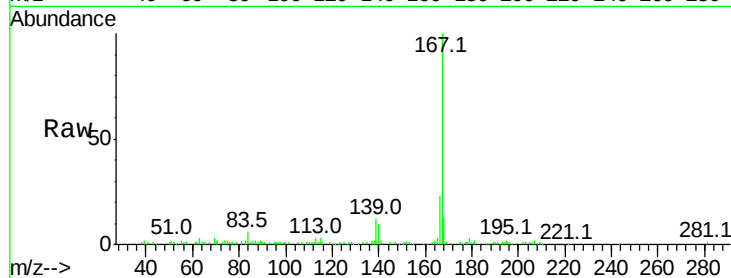
ClientSampleId :

B-9(0-1) 101617

Tot Ion:	167	Resp:	113341
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.0	25.6
139	12.1	11.0	16.4

Manual Integrations
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#75

Di-n-butylphthalate

Concen: 2.131 ng/ul

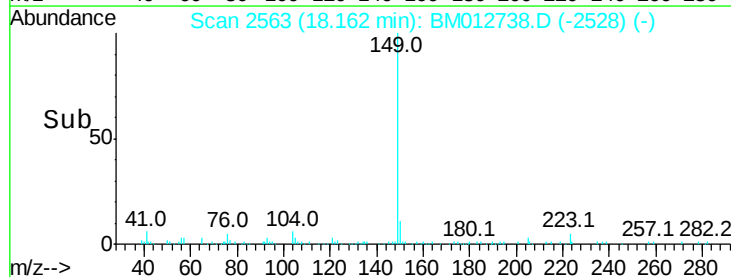
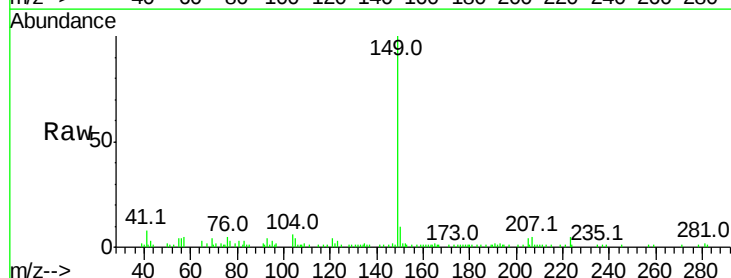
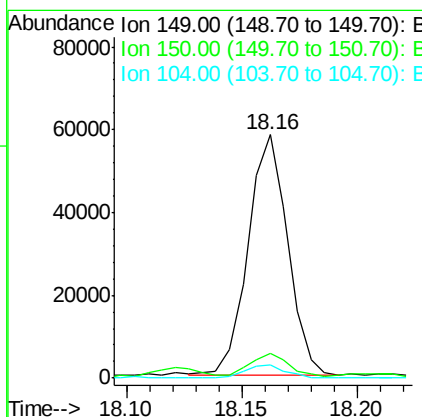
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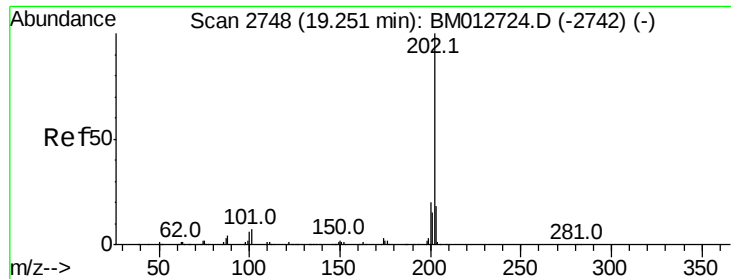
Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Tgt Ion:	149	Resp:	69039
Ion Ratio	Lower	Upper	
149	100		
150	10.4	7.4	11.0
104	5.5	4.0	6.0





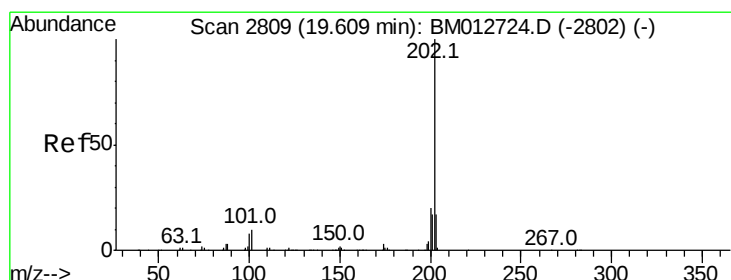
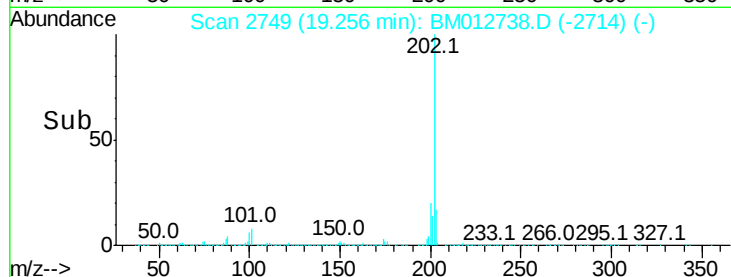
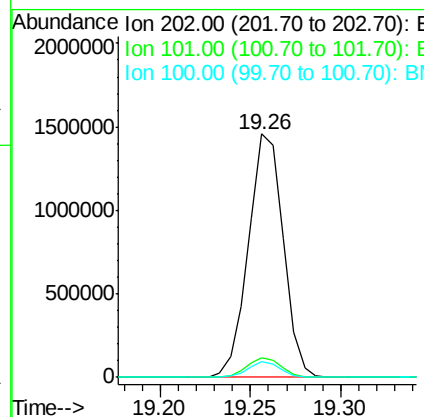
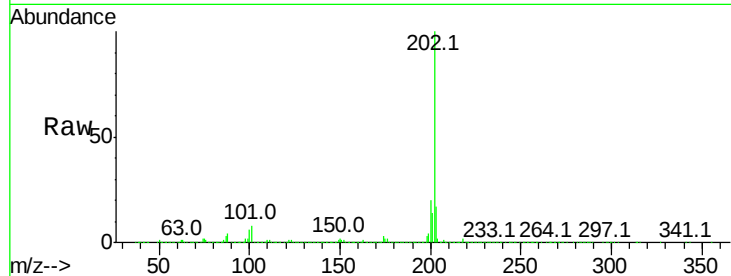
#76
Fluoranthene
Concen: 51.087 ng/ul m
RT: 19.26 min Scan# 2749
Delta R.T. 0.01 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Instrument :
BNA_M
ClientSampleId :
B-9(0-1) 101617

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	8.8	13.2#
100	6.4	6.6	9.8#

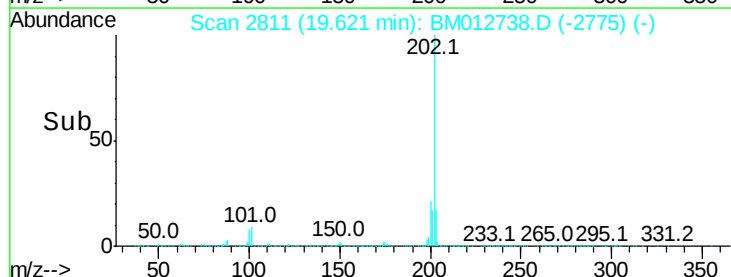
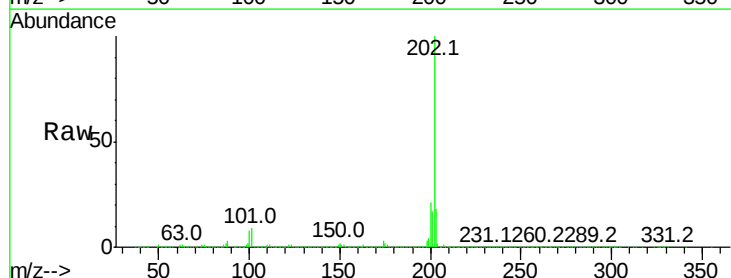
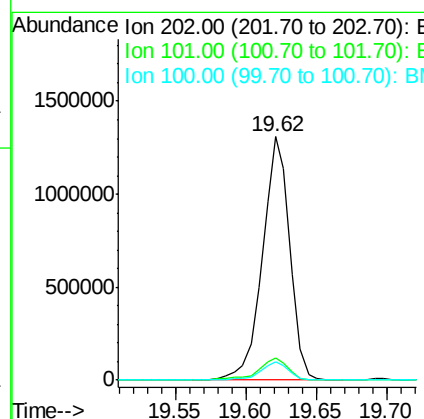
Manual Integrations
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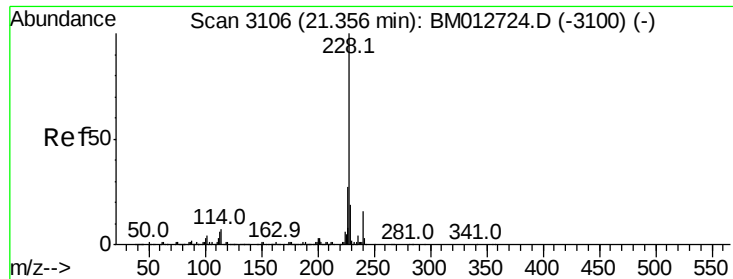
Sohil
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#79
Pyrene
Concen: 49.805 ng/ul
RT: 19.62 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	10.2	15.2#
100	7.7	8.5	12.7#





#82

Benzo(a)anthracene

Concen: 25.720 ng/ul

RT: 21.36 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Instrument :

BNA_M

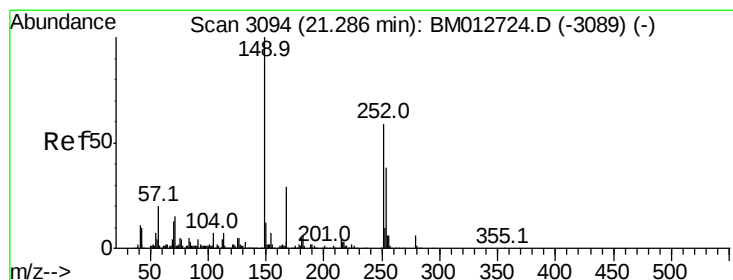
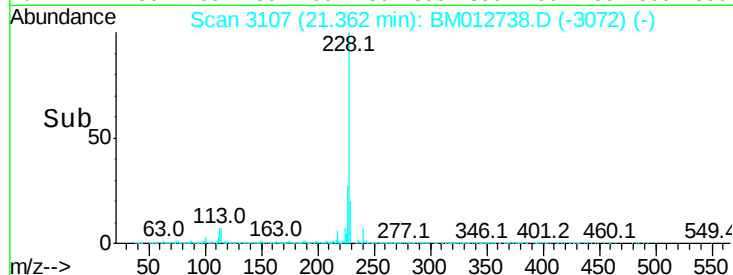
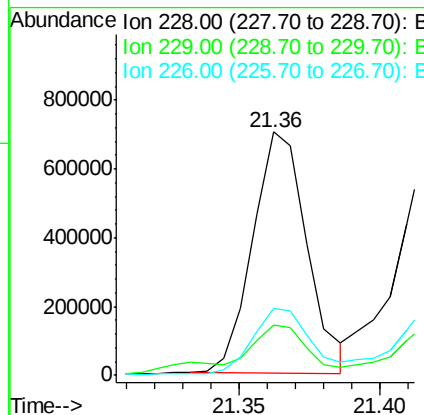
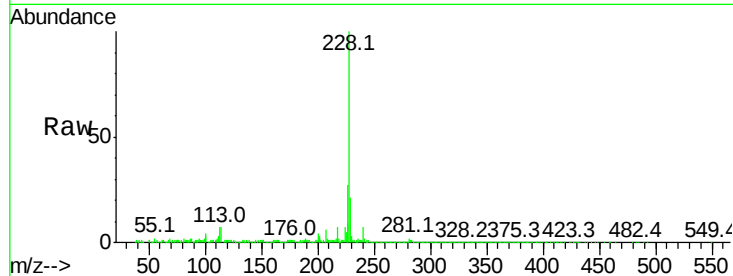
ClientSampleId :

B-9(0-1) 101617

Tot Ion:	228	Resp:	930881
Ion Ratio	Lower	Upper	
228	100		
229	20.9	15.7	23.5
226	27.3	21.8	32.6

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 7.331 ng/ul

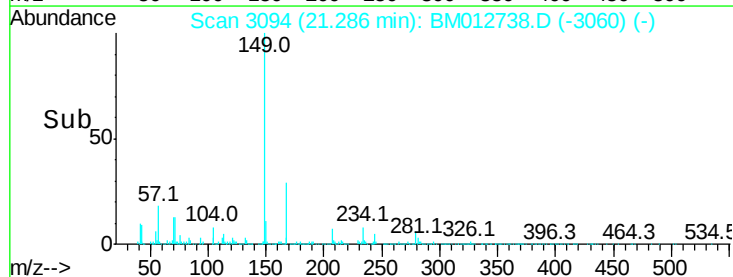
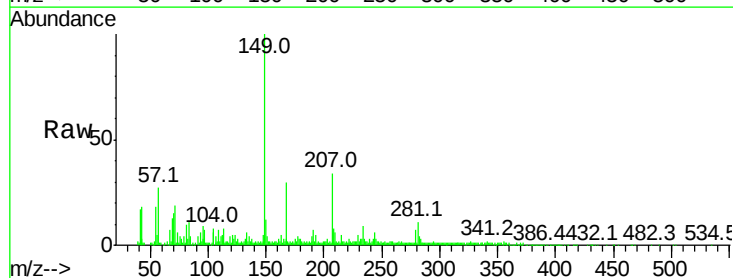
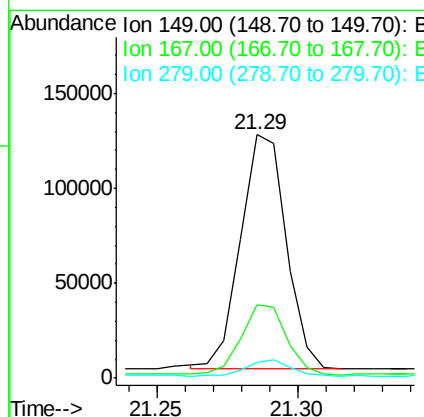
RT: 21.29 min Scan# 3094

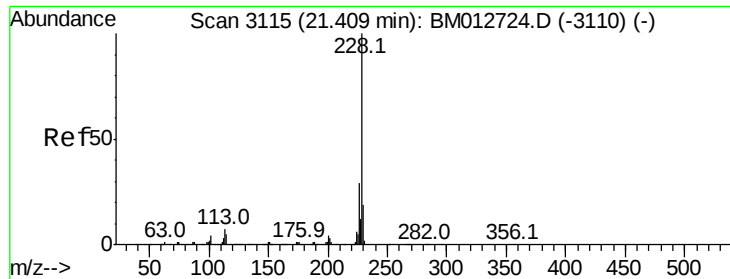
Delta R.T. -0.00 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Tgt Ion:	149	Resp:	138980
Ion Ratio	Lower	Upper	
149	100		
167	29.9	21.6	32.4
279	6.5	3.0	4.4#





#84

Chrysene

Concen: 27.894 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Instrument :

BNA_M

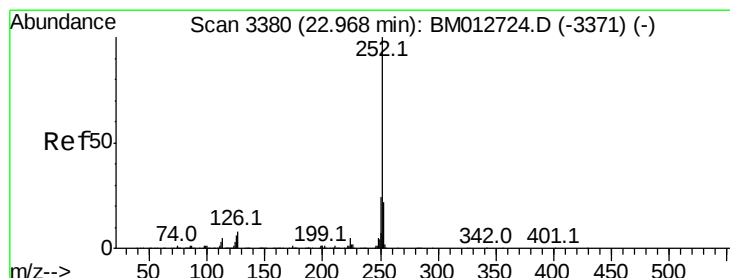
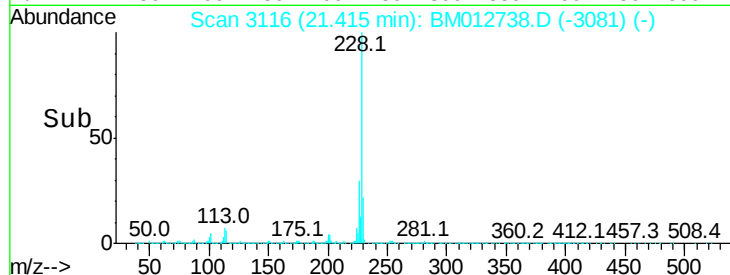
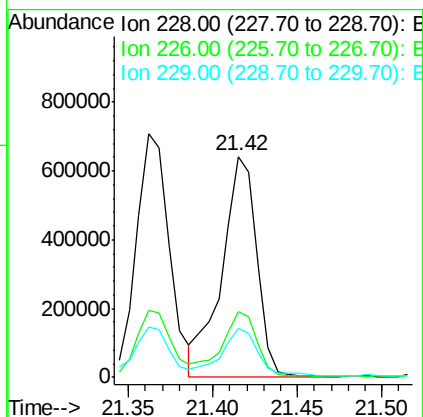
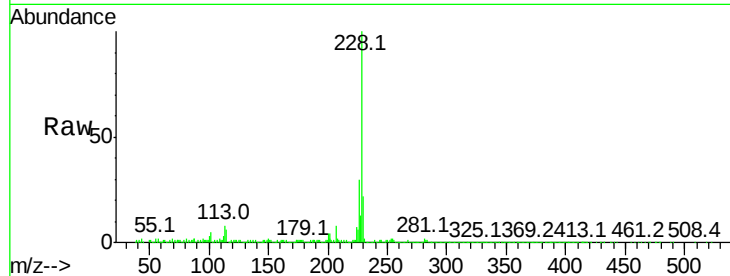
ClientSampleId :

B-9(0-1) 101617

Tot Ion:	228	Resp:	914955
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.0	36.0
229	22.3	15.6	23.4

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 32.006 ng/ul

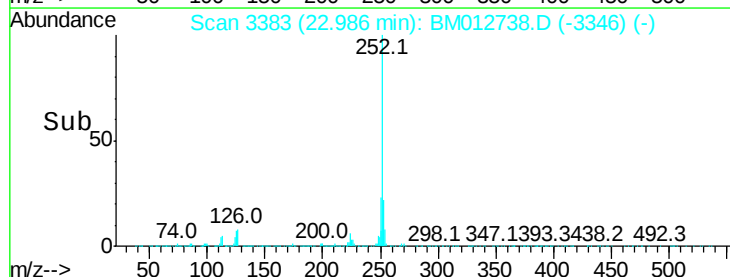
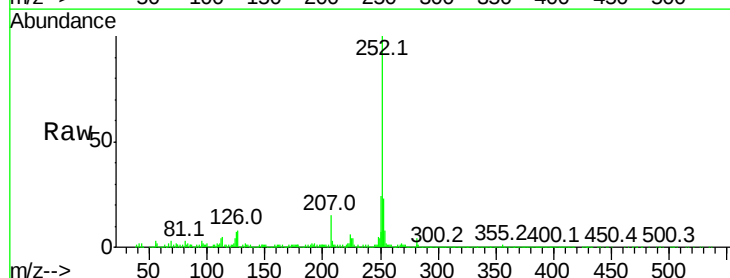
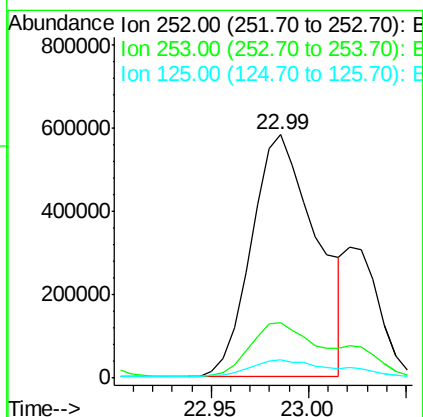
RT: 22.99 min Scan# 3383

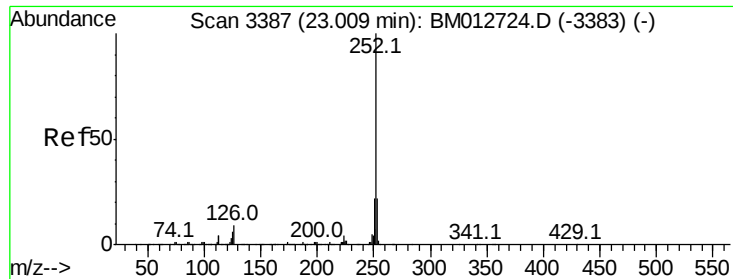
Delta R.T. 0.02 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Tgt Ion:	252	Resp:	1346594
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	7.3	8.5	12.7





#88

Benzo(k)fluoranthene

Concen: 9.236 ng/ul m

RT: 23.02 min Scan# 3389

Delta R.T. 0.01 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Instrument :

BNA_M

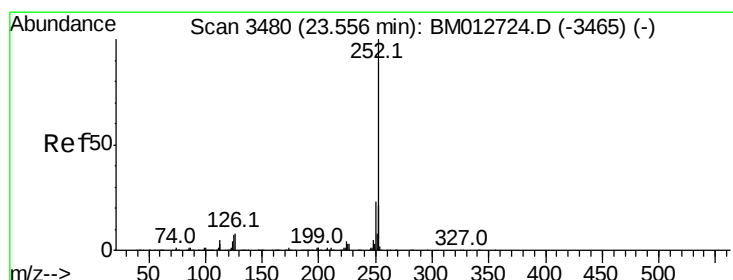
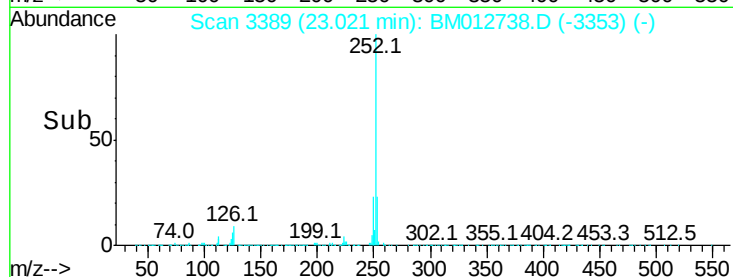
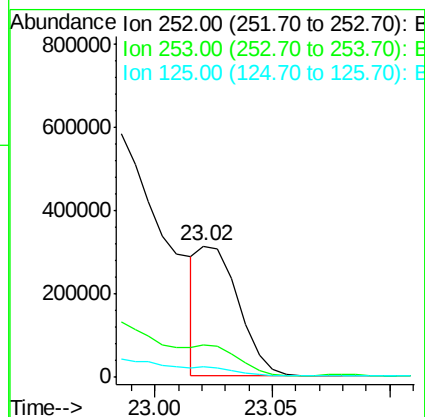
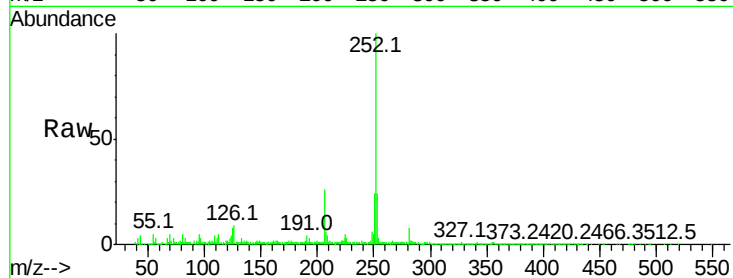
ClientSampleId :

B-9(0-1) 101617

Tot Ion:	252	Resp:	369373
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.3	25.9
125	7.9	8.2	12.2#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 23.581 ng/ul m

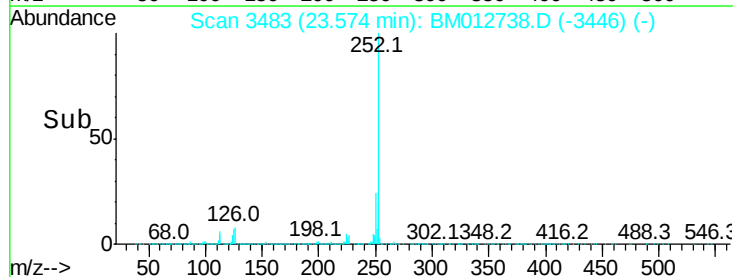
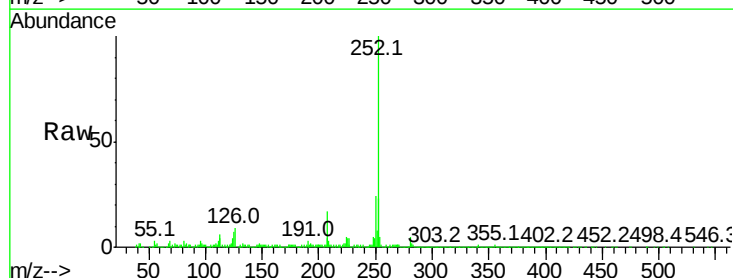
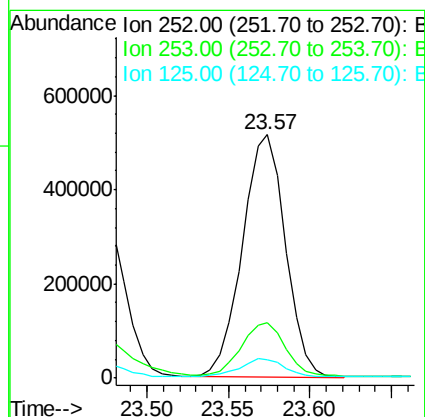
RT: 23.57 min Scan# 3483

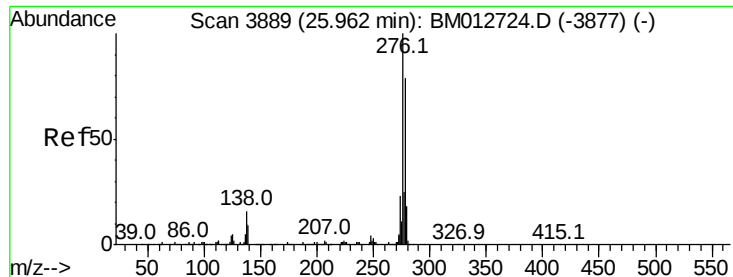
Delta R.T. 0.02 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Tgt Ion:	252	Resp:	944038
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	7.4	9.0	13.6#





#91

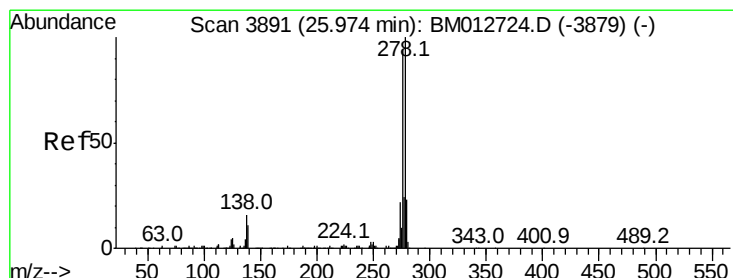
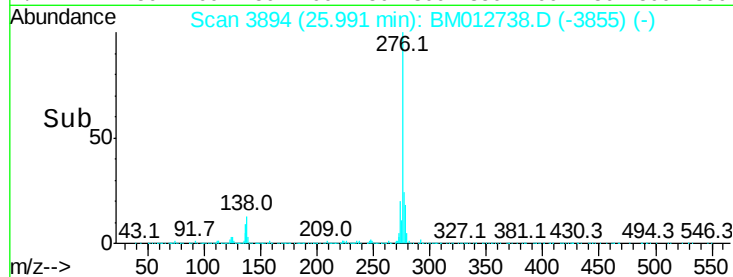
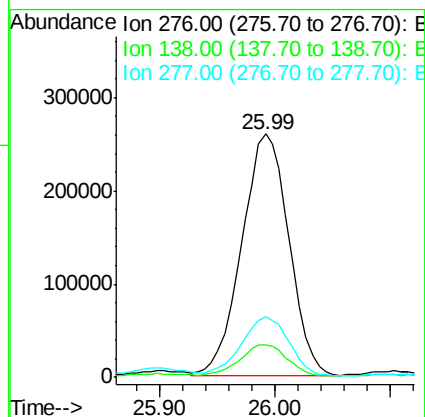
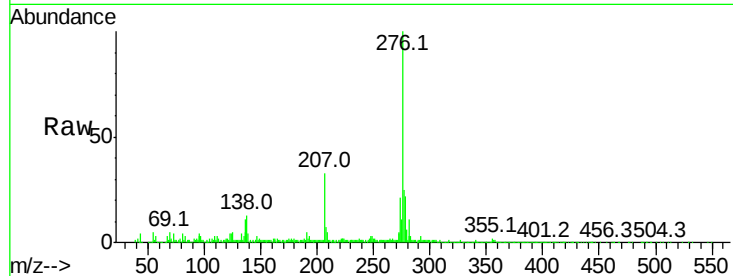
Indeno(1,2,3-cd)pyrene
Concen: 15.188 ng/ul
RT: 25.99 min Scan# 3894
Delta R.T. 0.03 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Instrument :
BNA_M
ClientSampleId :
B-9(0-1) 101617

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.4	22.3	33.5#
277	24.6	20.2	30.2

Manual Integrations
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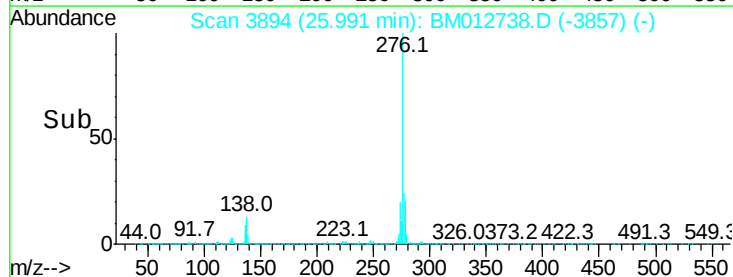
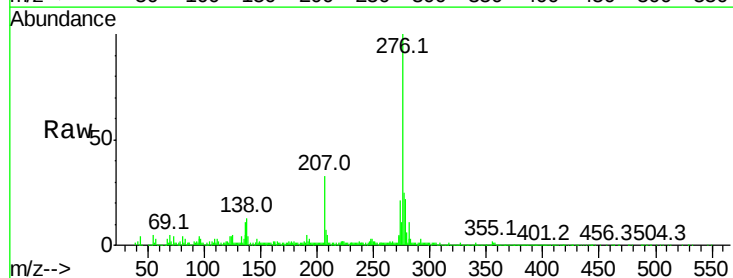
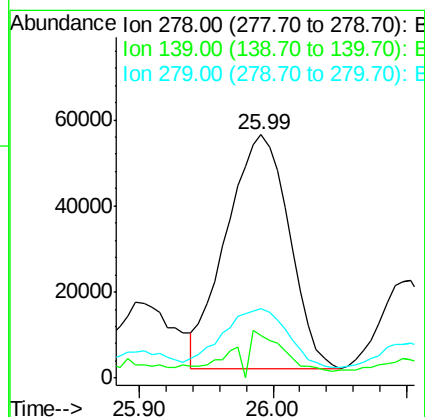
Sohil
11/6/2017 4:24:52 PM

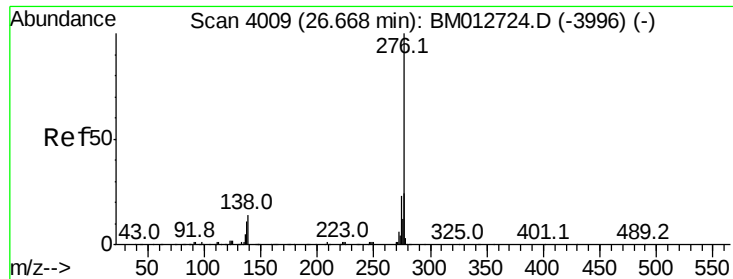


#92

Dibenzo(a,h)anthracene
Concen: 4.322 ng/ul
RT: 25.99 min Scan# 3894
Delta R.T. 0.02 min
Lab File: BM012738.D
Acq: 05 Nov 2017 09:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.9	20.9
279	28.6	19.0	28.4#





#93

Benzo(a,h,i)perylene

Concen: 17.050 ng/ul

RT: 26.71 min Scan# 4016

Delta R.T. 0.04 min

Lab File: BM012738.D

Acq: 05 Nov 2017 09:37

Instrument :

BNA_M

ClientSampleId :

B-9(0-1) 101617

Tot Ion:	276	Resp:	677868
Ion Ratio	Lower	Upper	
276	100		
138	14.2	18.9	28.3#
277	24.6	19.2	28.8

Manual Integrations
APPROVED

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11/6/2017 4:24:52 PM

