

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110217\
 Data File : BM012698.D
 Acq On : 03 Nov 2017 12:10
 Operator : SJ/JU
 Sample : I6110-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3N0

Manual Integrations
 APPROVED

Sohil
 11/3/2017 4:54:40 PM

Quant Time: Nov 03 14:58:03 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 03 14:42:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	139549	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	558786	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	328974	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	776174	20.00	ng/ul	0.00
75) Chrysene-d12	21.38	240	912028	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	996080	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	15205	5.57	ng/uL	0.00
5) Phenol-d5	6.99	99	286887	24.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	164594	23.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	252553	28.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	246842	24.77	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	122581	35.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	142763	39.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	257980	27.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	295742	29.37	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	813536	28.31	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	983433	28.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	107207	25.09	ng/ul	0.00
57) Fluorene-d10	15.45	176	713558	29.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	100943	26.87	ng/ul	0.00
70) Anthracene-d10	17.30	188	1130130	30.55	ng/ul	0.00
76) Pyrene-d10	19.59	212	1251000	29.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	1443581	30.51	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.92	163	31404	1.105	ng/ul	96
49) Acenaphthene	14.52	153	25184	1.133	ng/ul	99
53) Dibenzofuran	14.86	168	34050	1.035	ng/ul	90
58) Fluorene	15.51	166	35649	1.282	ng/ul	96
69) Phenanthrene	17.24	178	656041	15.630	ng/ul	99
71) Anthracene	17.33	178	136009	3.135	ng/ul	99
72) Carbazole	17.60	167	42480	1.182	ng/ul	95
74) Fluoranthene	19.26	202	1101013	23.149	ng/ul#	92
77) Pyrene	19.62	202	949754	18.312	ng/ul#	94
80) Benzo(a)anthracene	21.36	228	575835	10.544	ng/ul	98
82) Chrysene	21.42	228	538747	11.095	ng/ul	99
85) Benzo(b)fluoranthene	22.98	252	773953	12.569	ng/ul#	97
86) Benzo(k)fluoranthene	23.02	252	239222m	4.128	ng/ul	
88) Benzo(a)pyrene	23.57	252	496844	8.463	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.98	276	356698	5.162	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.99	278	102225	1.745	ng/ul#	95
91) Benzo(g,h,i)perylene	26.69	276	299919	5.356	ng/ul#	96

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

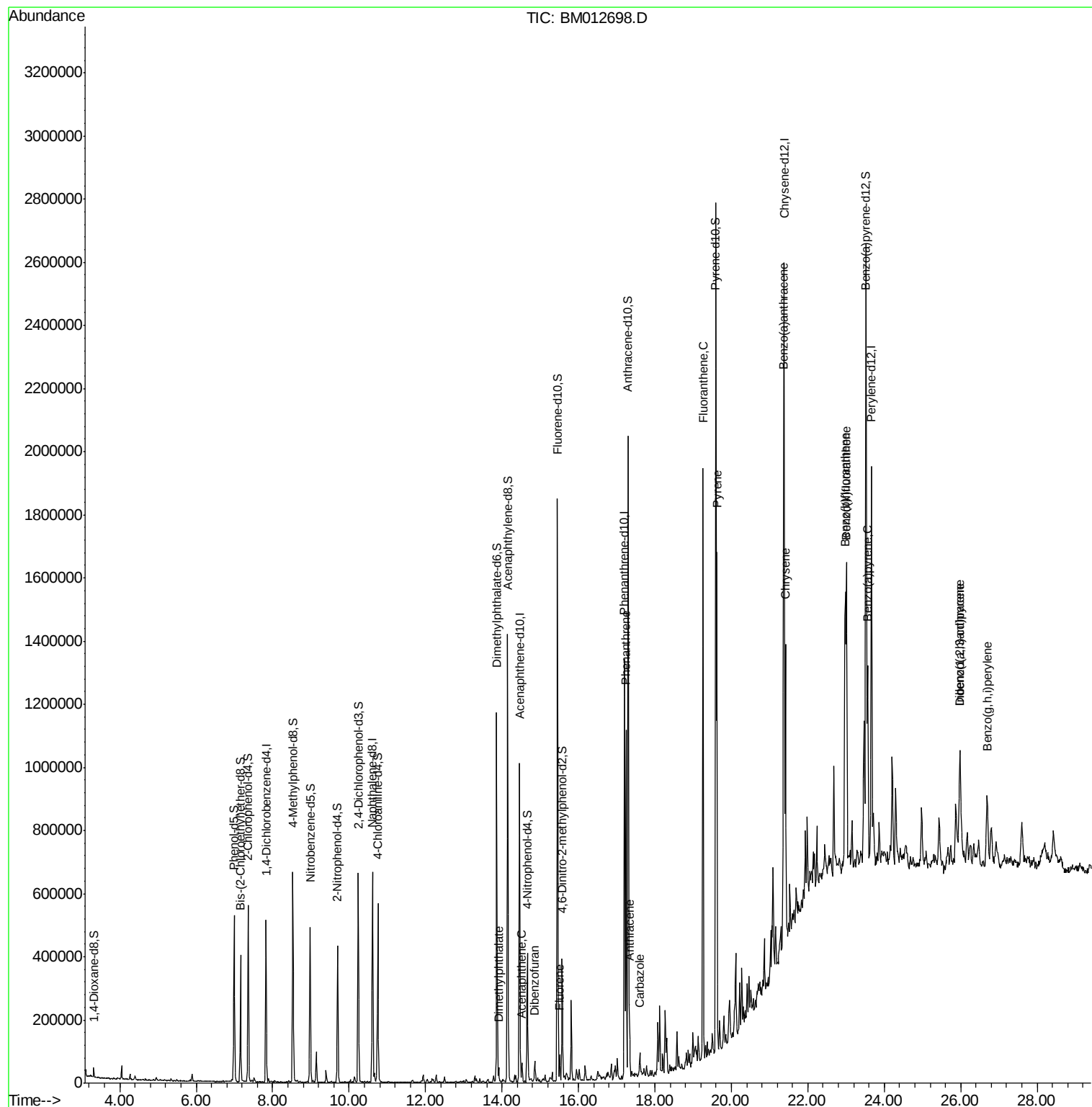
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110217\
Data File : BM012698.D
Acq On : 03 Nov 2017 12:10
Operator : SJ/JU
Sample : I6110-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

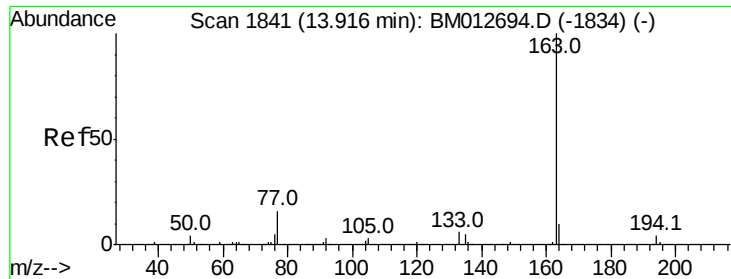
Instrument :
BNA_M
ClientSampled :
CB3N0

Manual Integrations
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Quant Time: Nov 03 14:58:03 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 03 14:42:43 2017
Response via : Initial Calibration





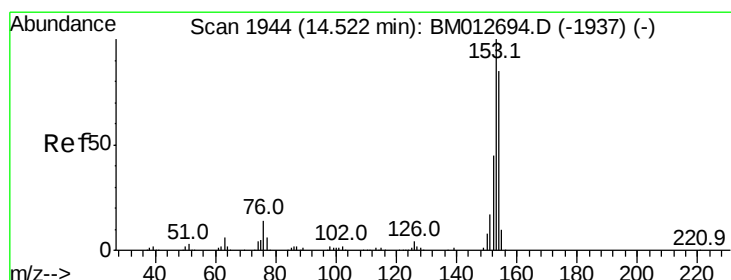
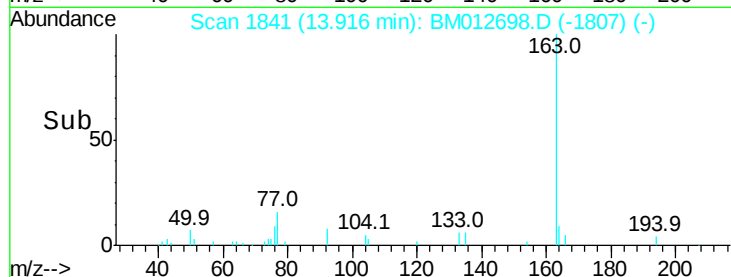
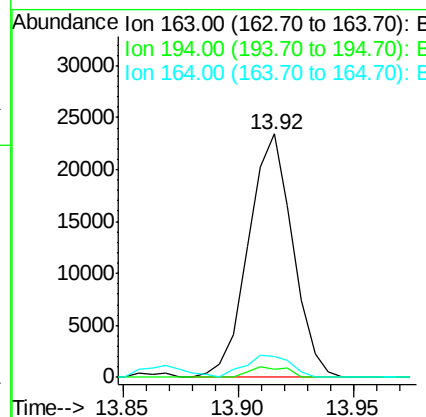
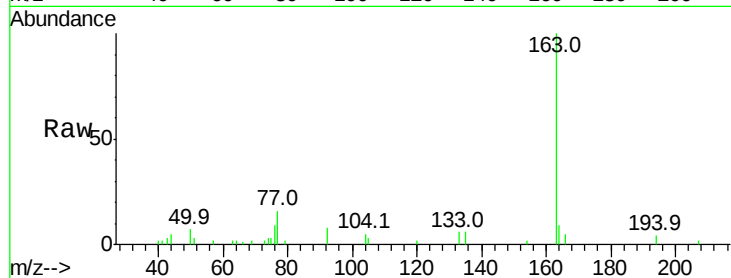
#44
Dimethylphthalate
Concen: 1.105 ng/ul
RT: 13.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Instrument :
BNA_M
ClientSampleId :
CB3N0

Tot Ion:	163	Resp:	31404
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.5	5.3
164	8.6	8.2	12.4

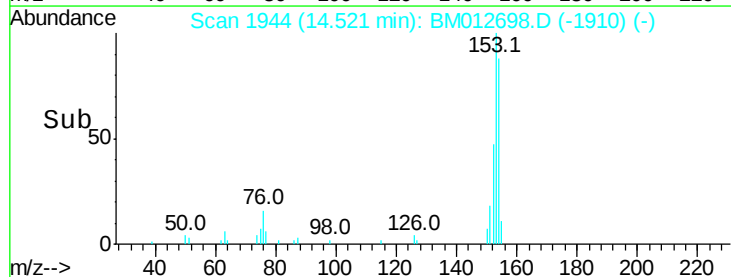
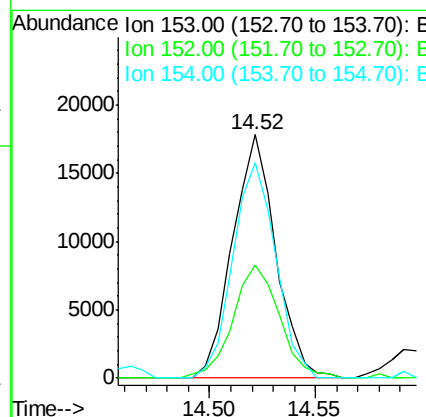
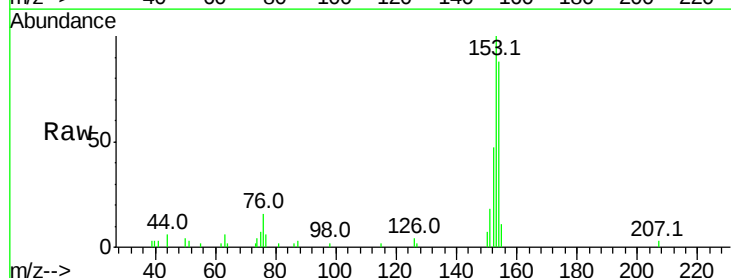
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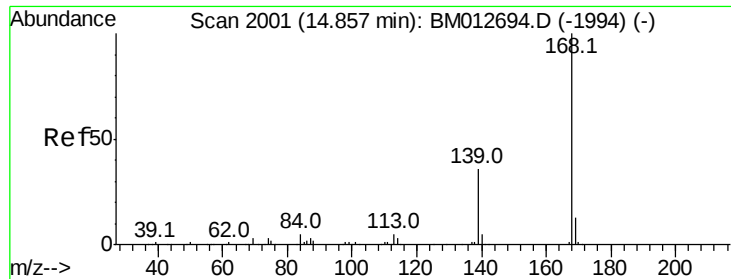
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#49
Acenaphthene
Concen: 1.133 ng/ul
RT: 14.52 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Tgt Ion:	153	Resp:	25184
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.6	56.4
154	88.5	70.4	105.6





#53

Dibenzenofuran

Concen: 1.035 ng/ul

RT: 14.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BM012698.D

Acq: 03 Nov 2017 12:10

Instrument :

BNA_M

ClientSampled :

CB3N0

Tot Ion:168 Resp: 34050

Ion Ratio Lower Upper

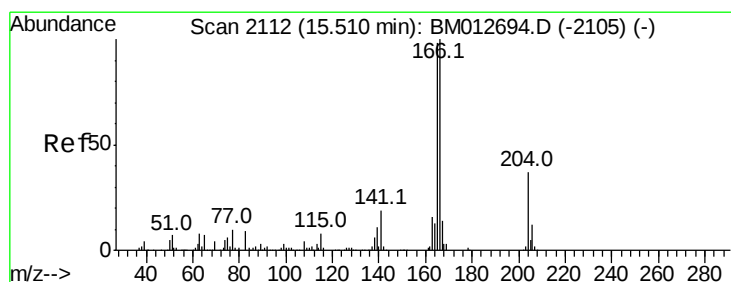
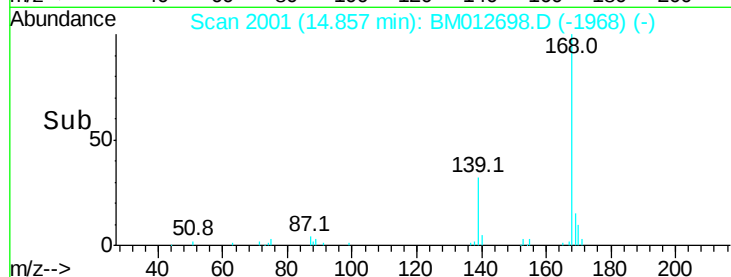
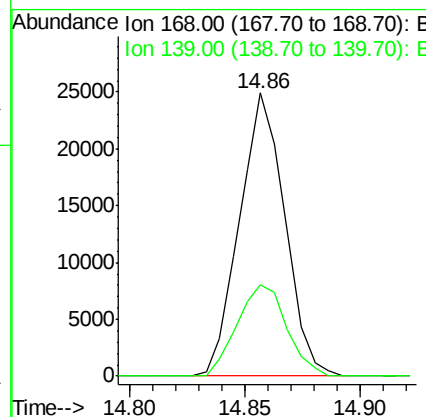
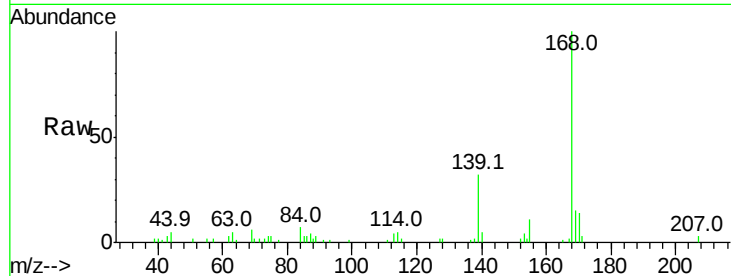
168 100

139 32.2 30.8 46.2

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#58

Fluorene

Concen: 1.282 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM012698.D

Acq: 03 Nov 2017 12:10

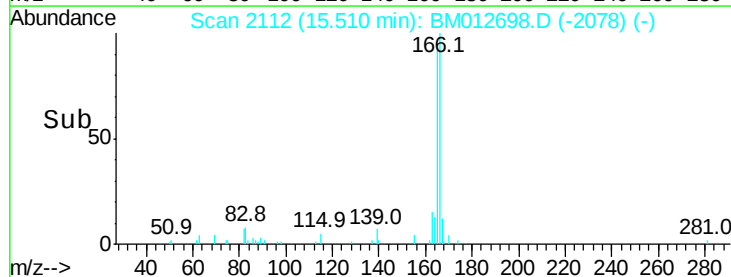
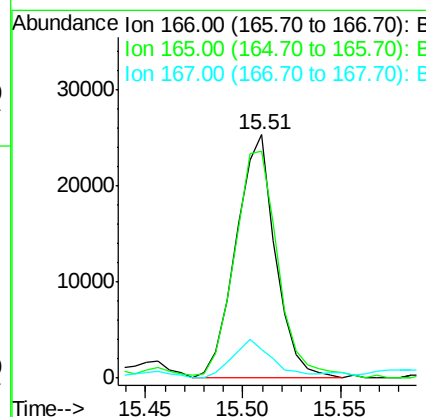
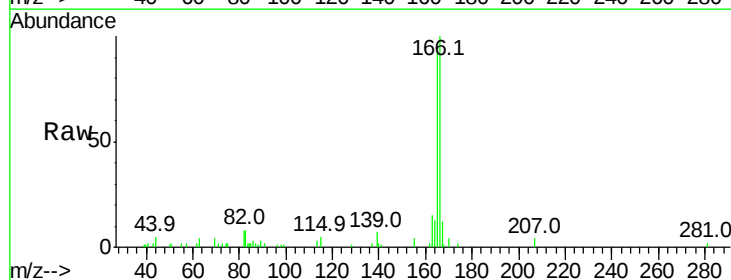
Tgt Ion:166 Resp: 35649

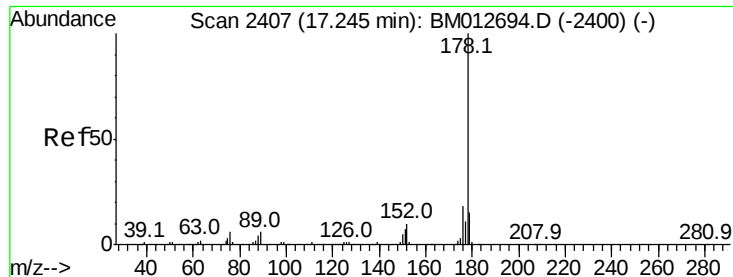
Ion Ratio Lower Upper

166 100

165 93.4 77.9 116.9

167 11.5 10.6 16.0





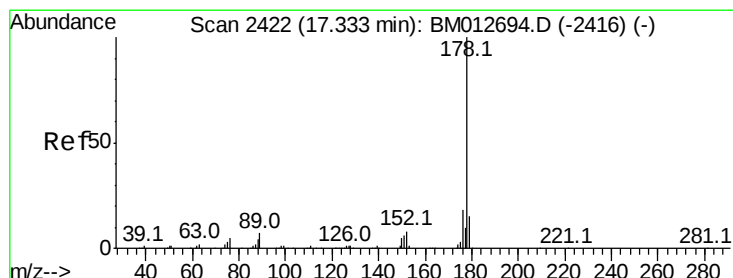
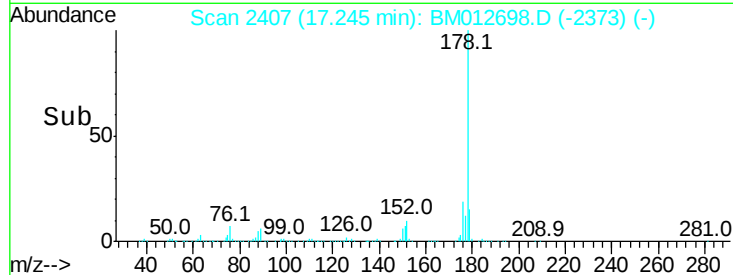
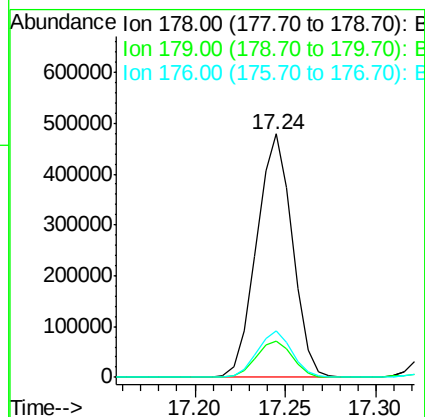
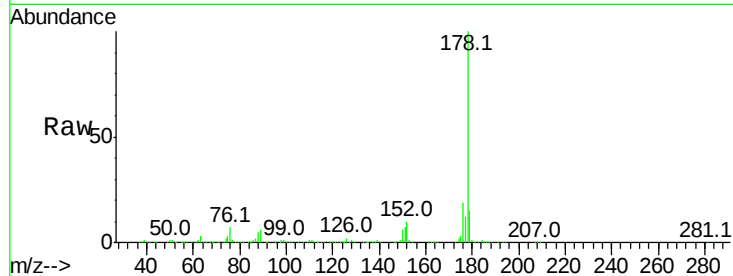
#69
Phenanthrene
Concen: 15.630 ng/ul
RT: 17.24 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Instrument :
BNA_M
ClientSampleId :
CB3N0

Tot Ion	Ratio	Resp	Lower	Upper
178	100	656041		
179	15.0		12.6	19.0
176	18.8		14.9	22.3

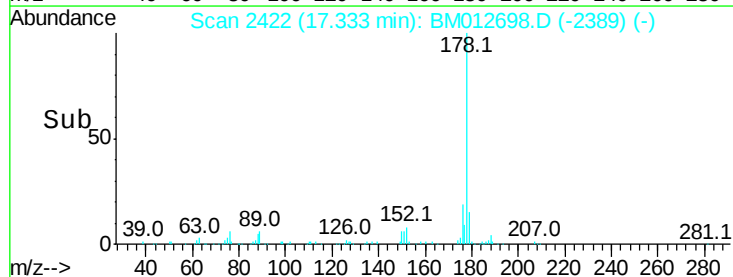
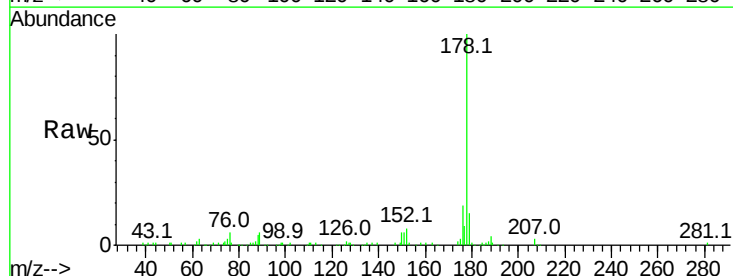
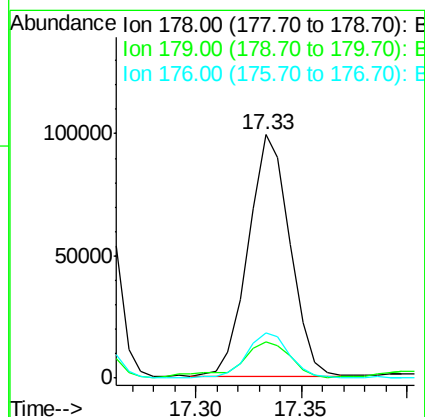
Manual Integrations
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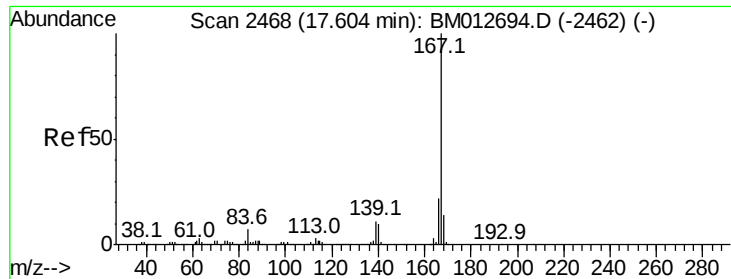
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#71
Anthracene
Concen: 3.135 ng/ul
RT: 17.33 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	136009		
179	15.0		11.7	17.5
176	18.6		14.6	21.8





#72

Carbazole

Concen: 1.182 ng/ul

RT: 17.60 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BM012698.D

Acq: 03 Nov 2017 12:10

Instrument :

BNA_M

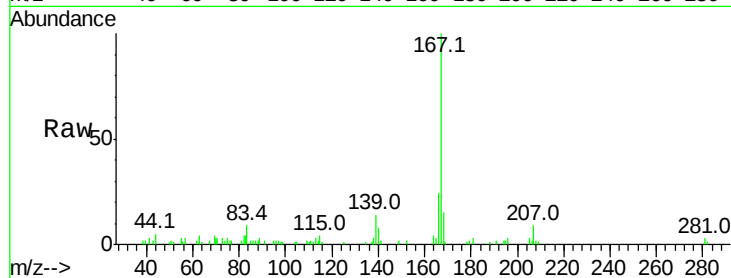
ClientSampled :

CB3N0

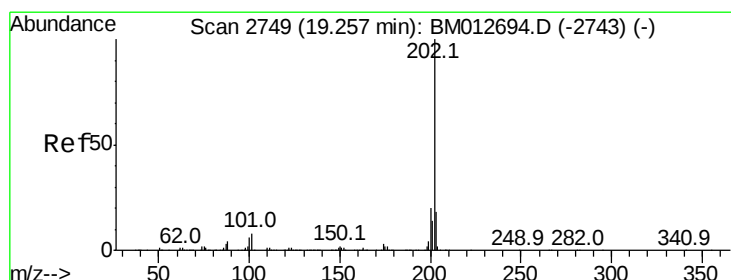
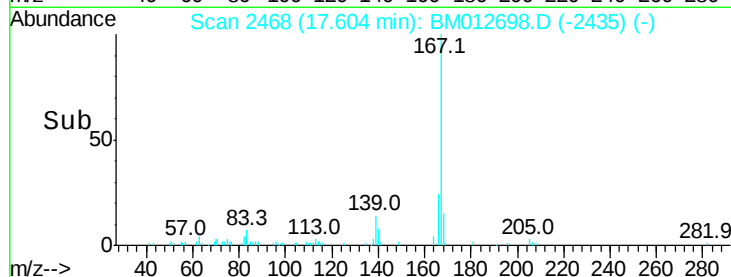
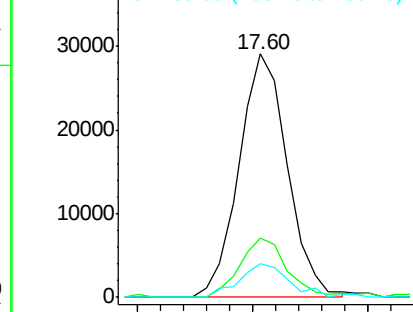
Tot Ion:	167	Resp:	42480
Ion Ratio	Lower	Upper	
167	100		
166	24.2	17.1	25.7
139	13.9	10.0	15.0

Manual Integrations
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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



#74

Fluoranthene

Concen: 23.149 ng/ul

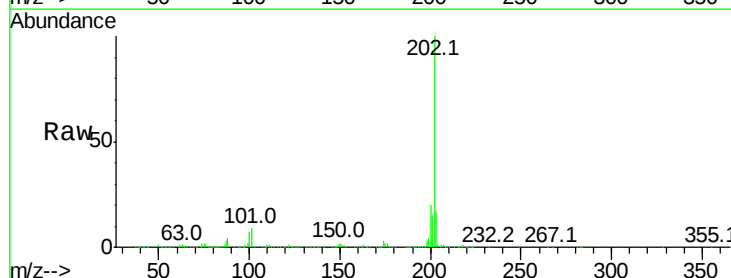
RT: 19.26 min Scan# 2749

Delta R.T. -0.01 min

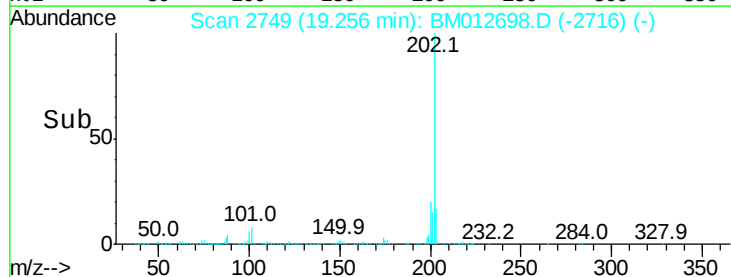
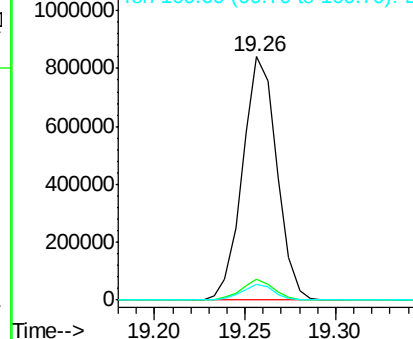
Lab File: BM012698.D

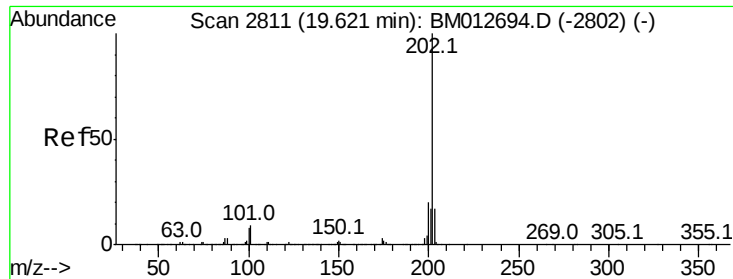
Acq: 03 Nov 2017 12:10

Tgt Ion:	202	Resp:	1101013
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	6.5	3.4	5.2#



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





#77

Pvrene

Concen: 18.312 ng/ul

RT: 19.62 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BM012698.D

Acq: 03 Nov 2017 12:10

Instrument :

BNA_M

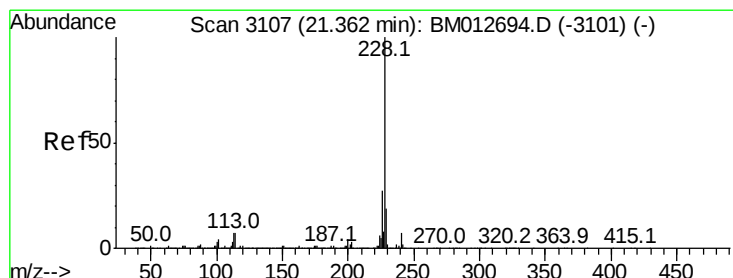
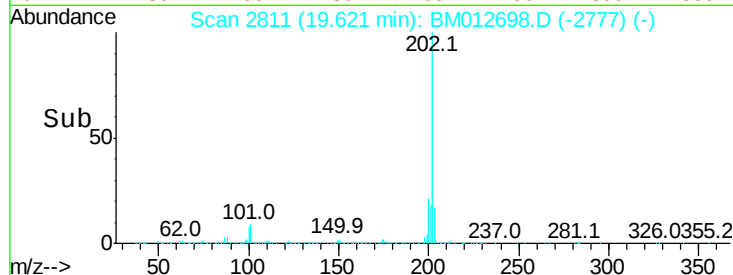
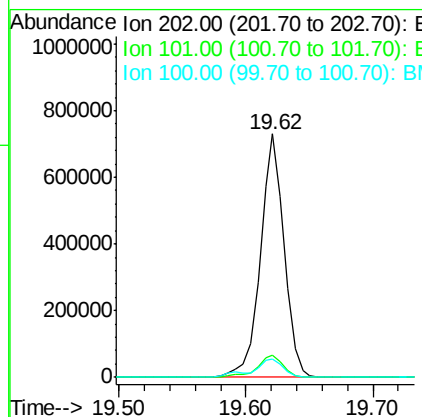
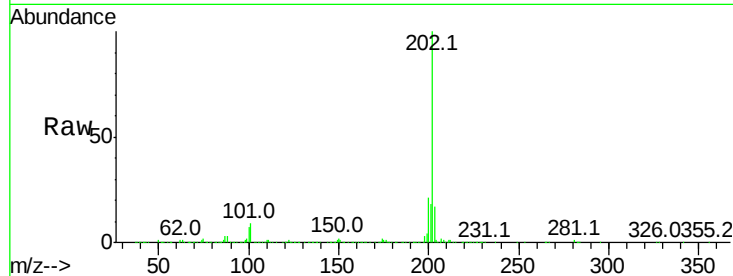
ClientSampled :

CB3N0

Tot Ion:	202	Resp:	949754
Ion Ratio	Lower	Upper	
202	100		
101	9.1	5.1	7.7#
100	7.5	4.9	7.3#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 10.544 ng/ul

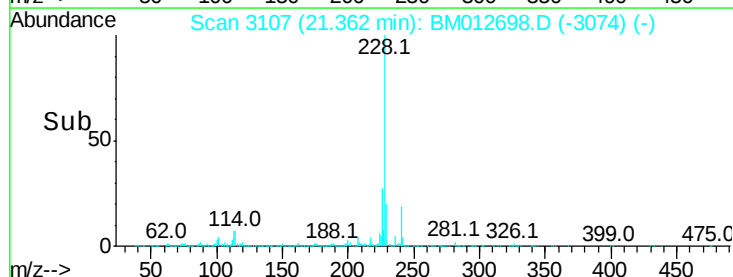
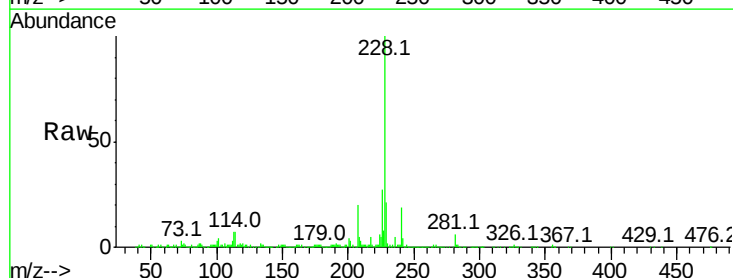
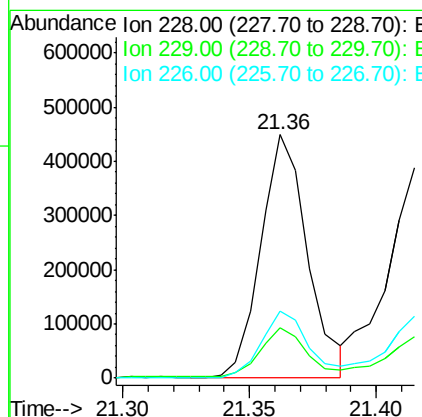
RT: 21.36 min Scan# 3107

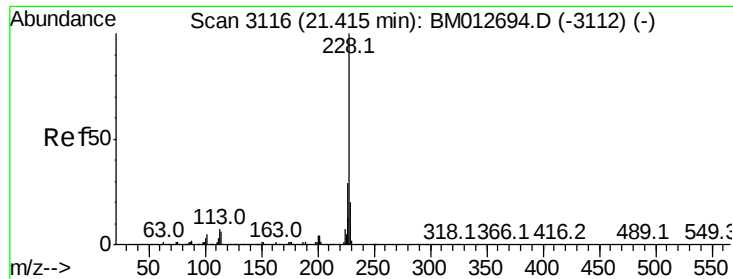
Delta R.T. -0.01 min

Lab File: BM012698.D

Acq: 03 Nov 2017 12:10

Tgt Ion:	228	Resp:	575835
Ion Ratio	Lower	Upper	
228	100		
229	20.5	15.4	23.0
226	27.3	21.4	32.0





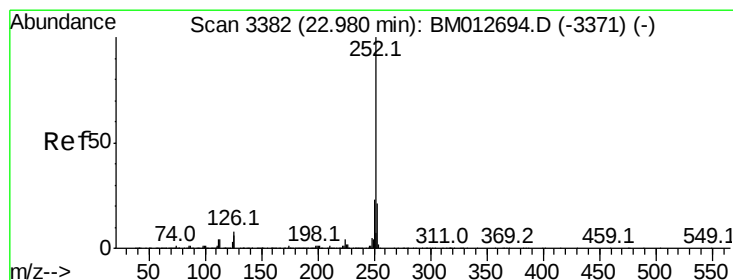
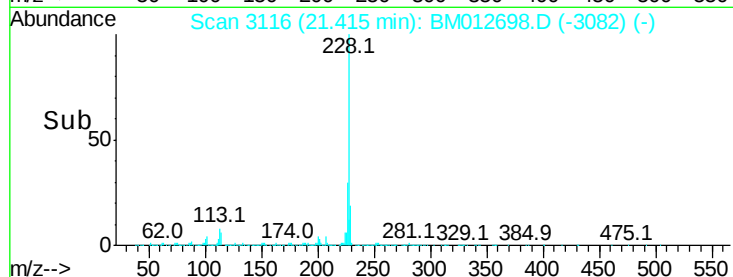
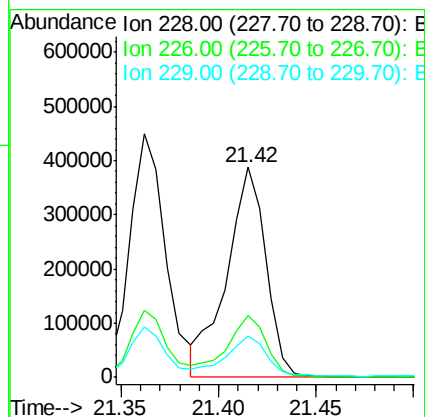
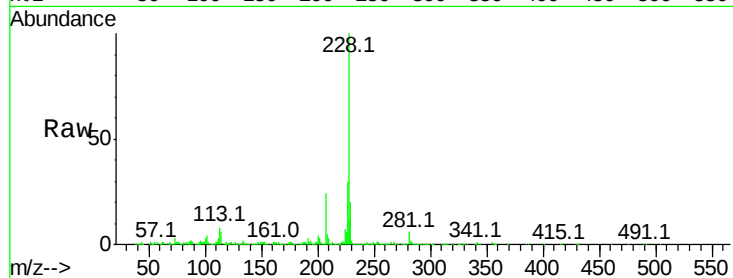
#82
Chrysene
Concen: 11.095 ng/ul
RT: 21.42 min Scan# 3116
Delta R.T. -0.00 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Instrument :
BNA_M
ClientSampleId :
CB3N0

Tot Ion:	228	Resp:	538747
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.4	35.2
229	19.7	15.5	23.3

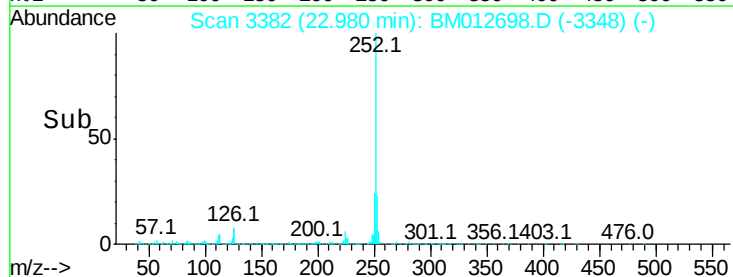
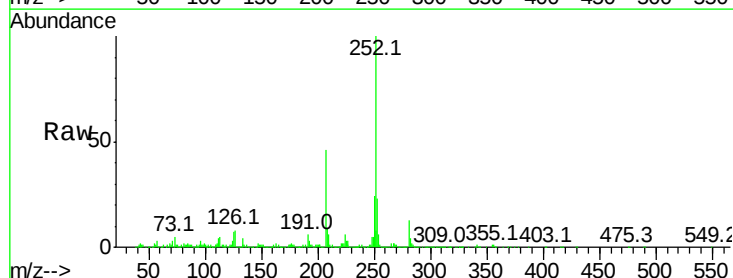
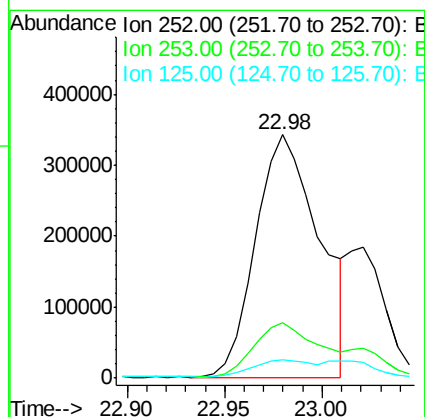
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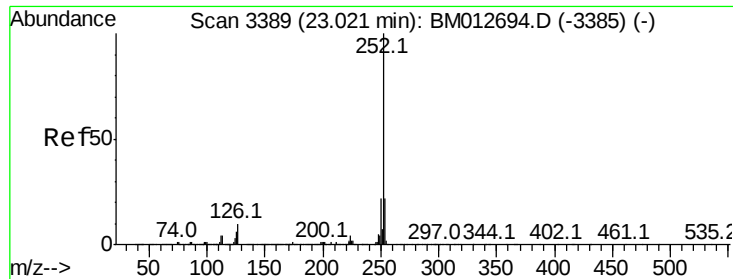
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#85
Benzo(b)fluoranthene
Concen: 12.569 ng/ul
RT: 22.98 min Scan# 3382
Delta R.T. -0.00 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Tgt Ion:	252	Resp:	773953
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	7.3	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 4.128 ng/ul m

RT: 23.02 min Scan# 3389

Delta R.T. -0.01 min

Lab File: BM012698.D

Acq: 03 Nov 2017 12:10

Instrument :

BNA_M

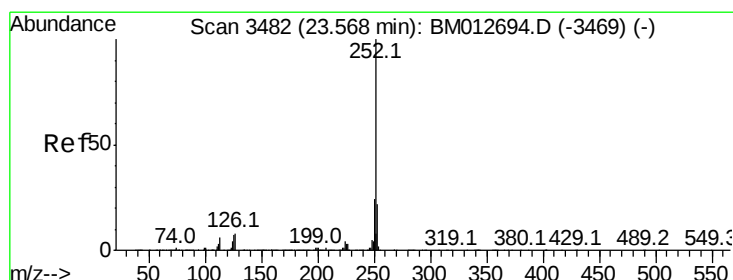
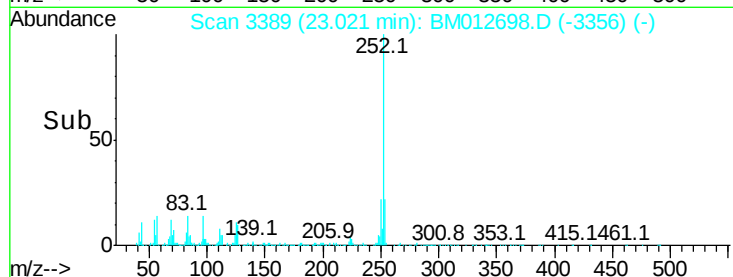
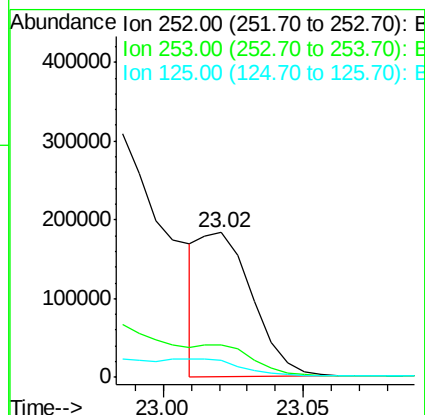
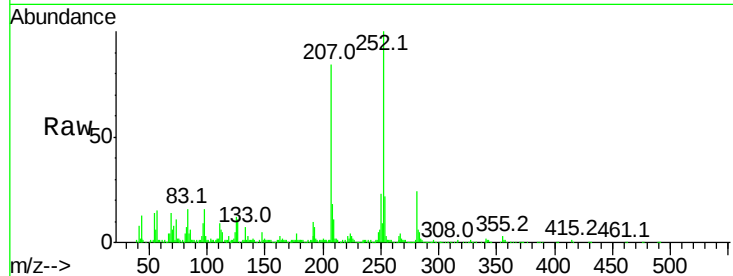
ClientSampleId :

CB3N0

Tot Ion:	252	Resp:	239222
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	11.6	3.4	5.2#

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#88

Benzo(a)pyrene

Concen: 8.463 ng/ul

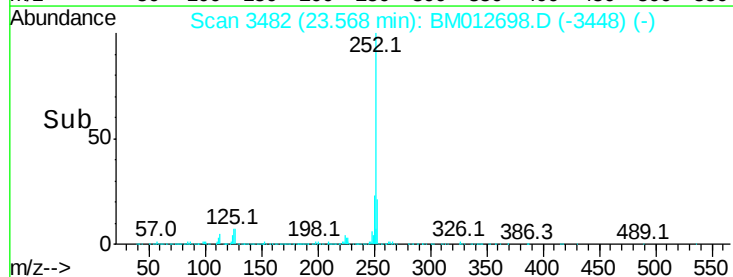
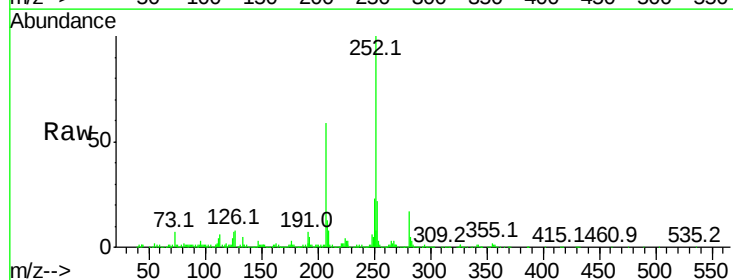
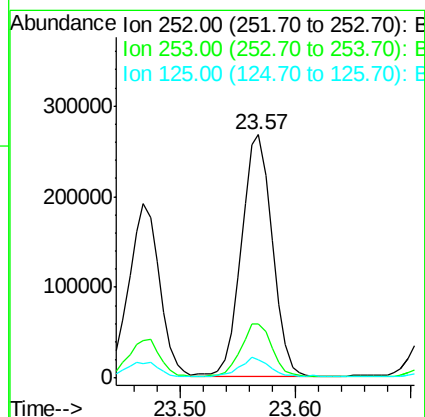
RT: 23.57 min Scan# 3482

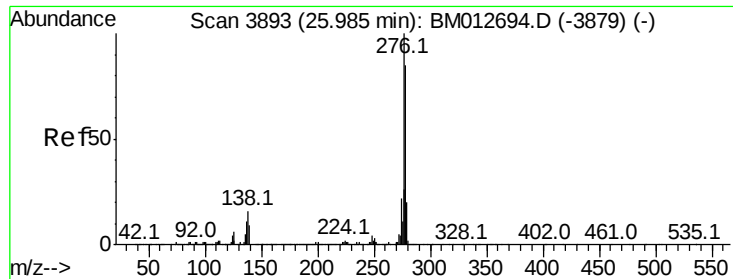
Delta R.T. -0.00 min

Lab File: BM012698.D

Acq: 03 Nov 2017 12:10

Tgt Ion:	252	Resp:	496844
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	7.3	4.0	6.0#





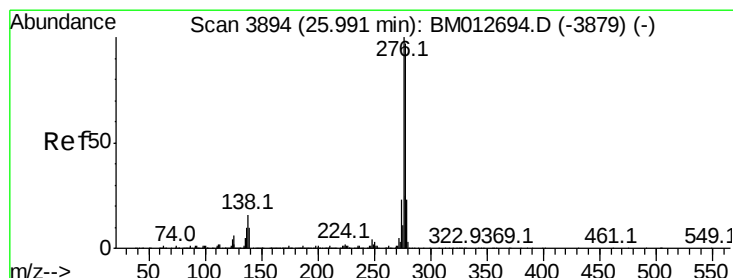
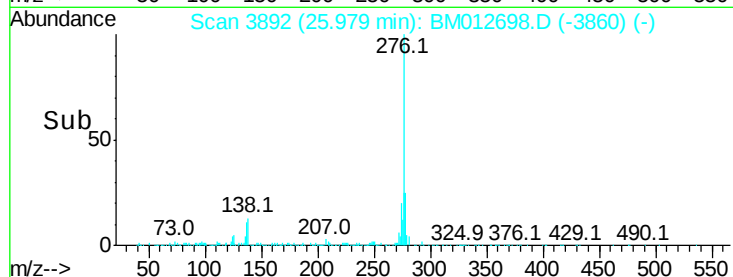
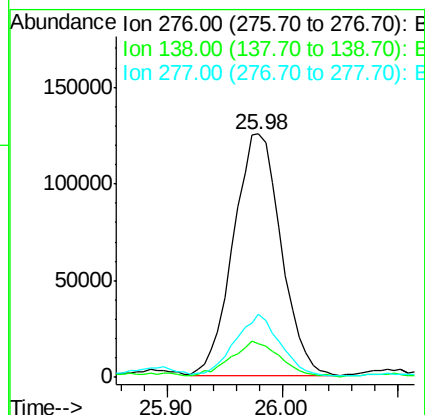
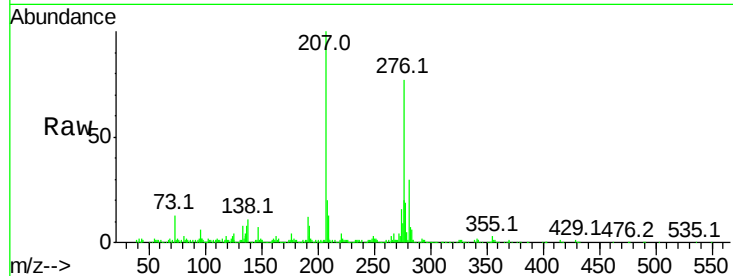
#89
Indeno(1,2,3-cd)pyrene
Concen: 5.162 ng/ul
RT: 25.98 min Scan# 3892
Delta R.T. -0.01 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Instrument :
BNA_M
ClientSampleId :
CB3N0

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.1	9.3	13.9#
277	25.8	19.9	29.9

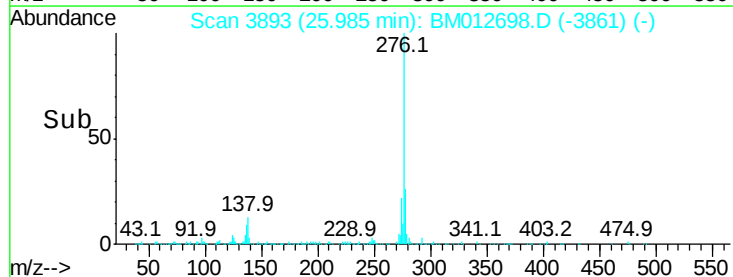
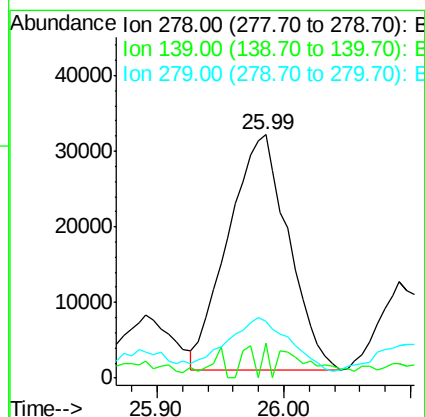
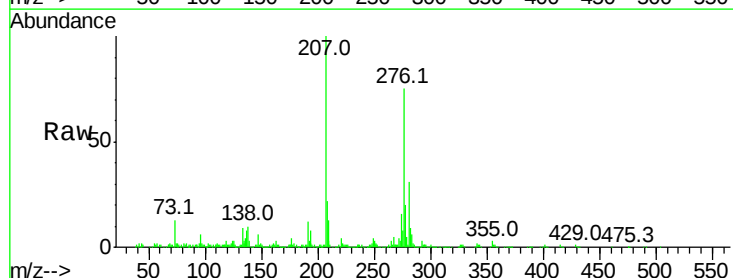
Manual Integrations
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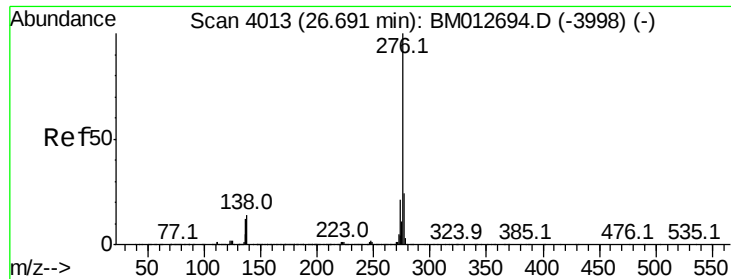
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#90
Dibenzo(a,h)anthracene
Concen: 1.745 ng/ul
RT: 25.99 min Scan# 3893
Delta R.T. -0.01 min
Lab File: BM012698.D
Acq: 03 Nov 2017 12:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.3	5.8	8.8#
279	23.1	18.6	27.8





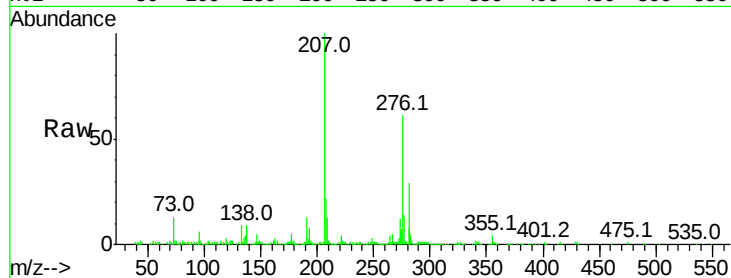
#91
 Benzo(a,h,i)perylene
 Concen: 5.356 ng/ul
 RT: 26.69 min Scan# 4013
 Delta R.T. -0.01 min
 Lab File: BM012698.D
 Acq: 03 Nov 2017 12:10

Instrument :
 BNA_M
 ClientSampleId :
 CB3N0

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	14.8	8.5	12.7#
277	23.2	18.6	28.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

