

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101018\
 Data File : BM017098.D
 Acq On : 10 Oct 2018 15:08
 Operator : MJ/SJ
 Sample : J5295-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A3YY3

Manual Integrations
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Sohil
 10/11/2018 5:42:22 PM

Quant Time: Oct 11 04:32:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 11 04:10:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	221768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	952213	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	474306	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.08	188	961232	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	1019177	20.00	ng/ul	0.00
86) Perylene-d12	23.50	264	1121074	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	16220	3.64	ng/uL	0.00
5) Phenol-d5	6.87	99	358604	19.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	253603	22.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	334975	21.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	230066	15.84	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	159668	22.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	150588	21.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	308919	21.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	144739	8.27	ng/ul	0.00
44) Dimethylphthalate-d6	13.75	166	934623	24.84	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	1227956	25.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	53477	7.52	ng/ul	0.00
58) Fluorene-d10	15.33	176	857037	25.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	55938	9.87	ng/ul	0.00
71) Anthracene-d10	17.18	188	1201710	26.17	ng/ul	0.00
79) Pyrene-d10	19.48	212	1335034	29.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.36	264	1580914	27.55	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.89	94	48648	2.623	ng/ul 95
45) Dimethylphthalate	13.79	163	193773	5.200	ng/ul 99
48) Acenaphthylene	14.05	152	66969	1.454	ng/ul 99
59) Fluorene	15.38	166	52309	1.388	ng/ul 99
70) Phenanthrene	17.12	178	1069227	19.838	ng/ul 100
72) Anthracene	17.22	178	197696	3.610	ng/ul 99
75) Carbazole	17.49	167	95424	2.013	ng/ul 99
76) Di-n-butylphthalate	18.06	149	93763	1.769	ng/ul# 96
77) Fluoranthene	19.14	202	1790474	28.679	ng/ul 100
80) Pyrene	19.51	202	1671489	28.305	ng/ul 97
83) Benzo(a)anthracene	21.26	228	825757	13.506	ng/ul 96
84) Bis(2-ethylhexyl)phthalate	21.20	149	569467	18.033	ng/ul 98
85) Chrysene	21.31	228	887771	15.013	ng/ul 98
88) Benzo(b)fluoranthene	22.84	252	1214664	18.196	ng/ul# 91
89) Benzo(k)fluoranthene	22.87	252	347814m	5.424	ng/ul
91) Benzo(a)pyrene	23.40	252	801614	12.460	ng/ul# 93
92) Indeno(1,2,3-cd)pyrene	25.73	276	567323	7.469	ng/ul 96
93) Dibenzo(a,h)anthracene	25.73	278	152487	2.412	ng/ul# 81
94) Benzo(g,h,i)perylene	26.41	276	546249	8.637	ng/ul 96

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

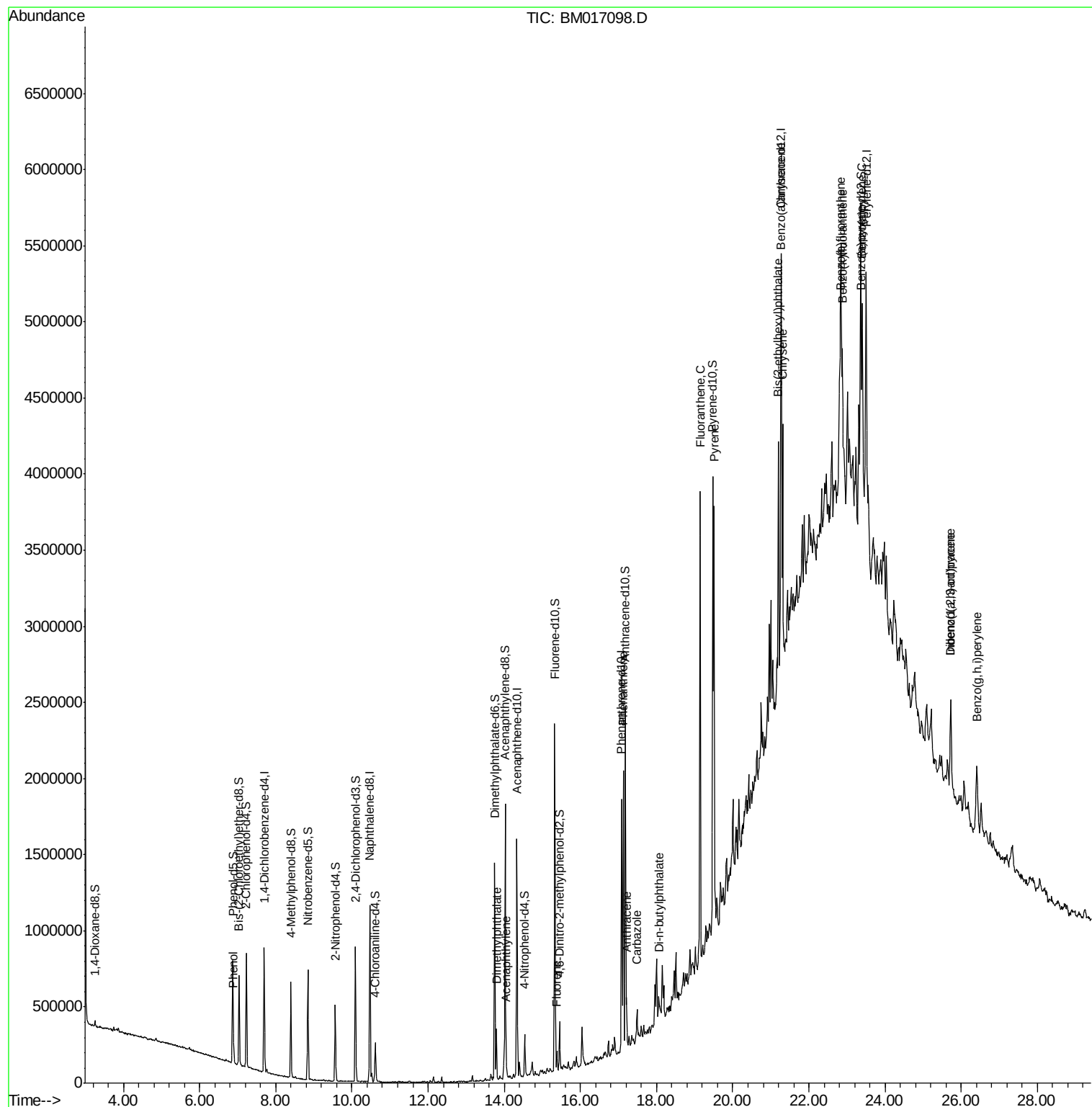
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101018\
Data File : BM017098.D
Acq On : 10 Oct 2018 15:08
Operator : MJ/SJ
Sample : J5295-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

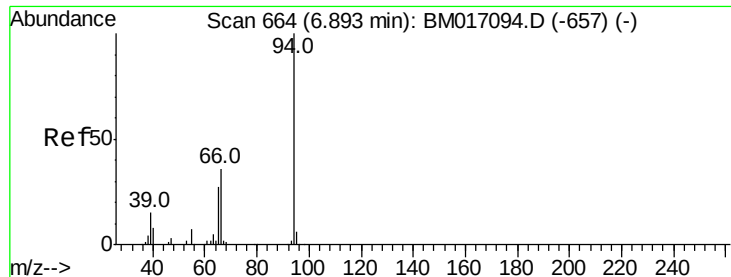
Instrument :
BNA_M
ClientSampleId :
A3YY3

Quant Time: Oct 11 04:32:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 11 04:10:28 2018
Response via : Initial Calibration

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#6

Phenol

Concen: 2.623 ng/ul

RT: 6.89 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

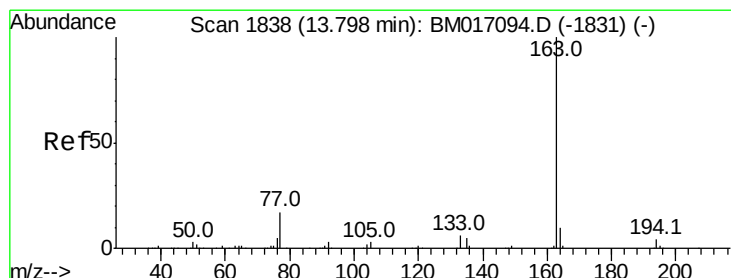
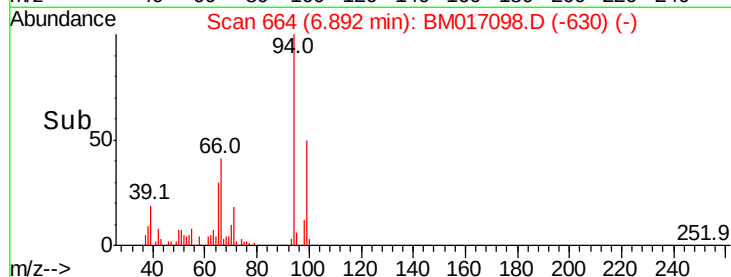
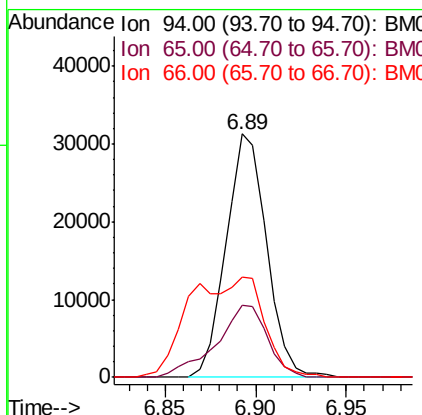
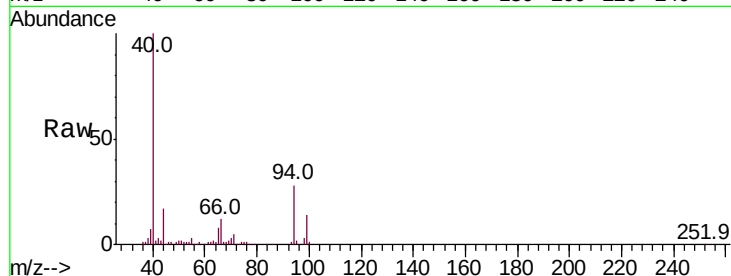
ClientSampleId :

A3YY3

Tot Ion:	94	Resp:	48648
Ion Ratio	Lower	Upper	
94	100		
65	29.5	22.8	34.2
66	41.0	29.5	44.3

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#45

Dimethylphthalate

Concen: 5.200 ng/ul

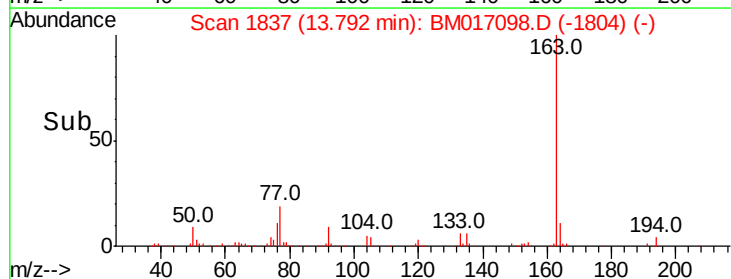
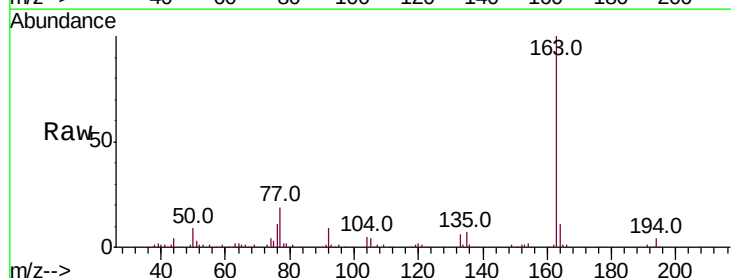
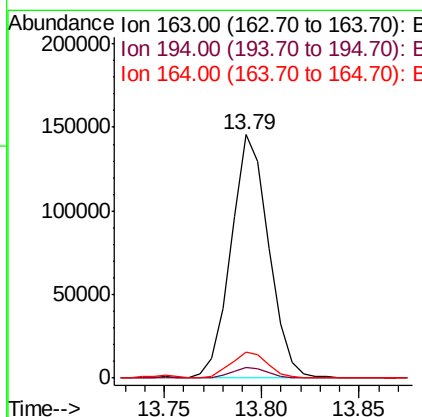
RT: 13.79 min Scan# 1837

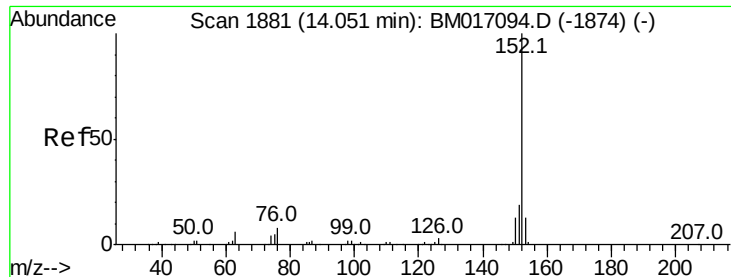
Delta R.T. -0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion:	163	Resp:	193773
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.3	4.9
164	10.6	8.0	12.0





#48

Acenaphthylene

Concen: 1.454 ng/ul

RT: 14.05 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

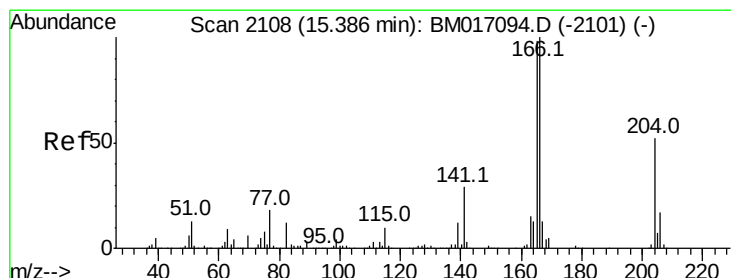
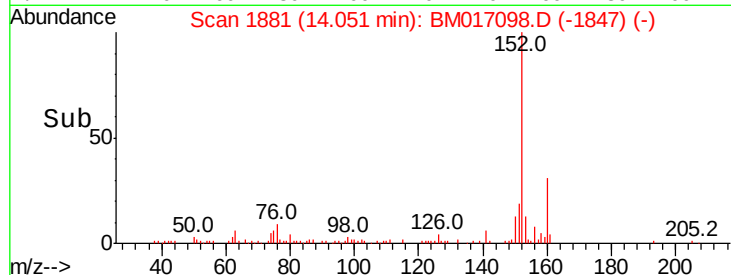
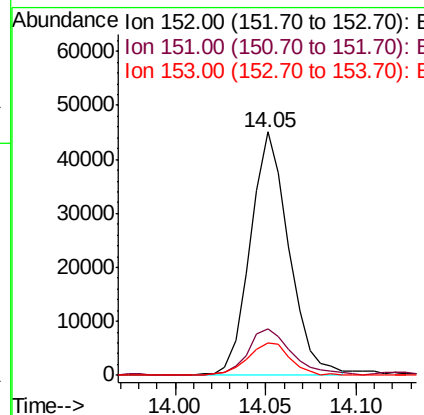
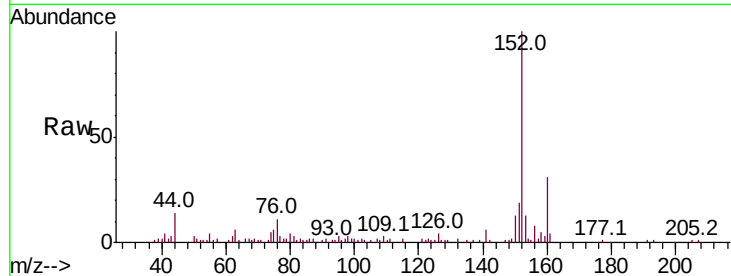
ClientSampled :

A3YY3

Tot Ion:	152	Resp:	66969
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.7	23.5
153	13.1	10.2	15.4

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#59

Fluorene

Concen: 1.388 ng/ul

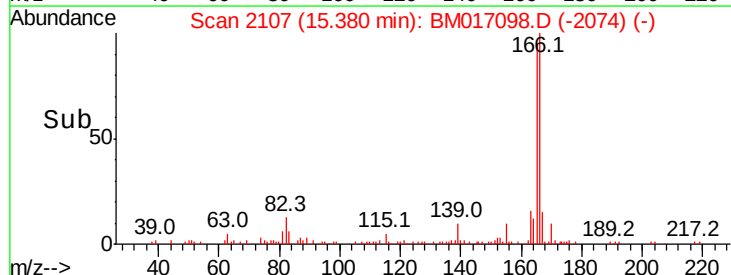
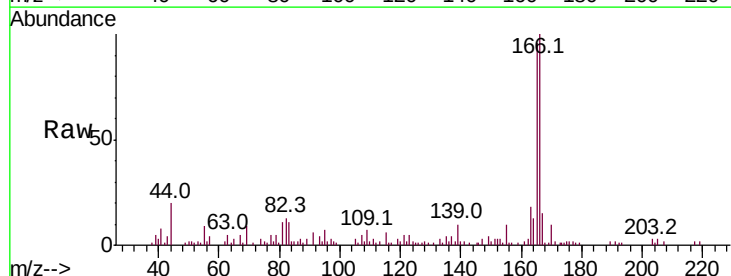
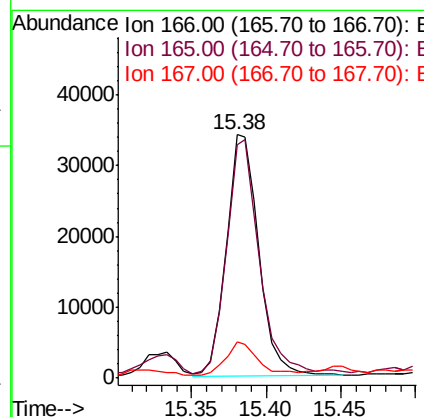
RT: 15.38 min Scan# 2107

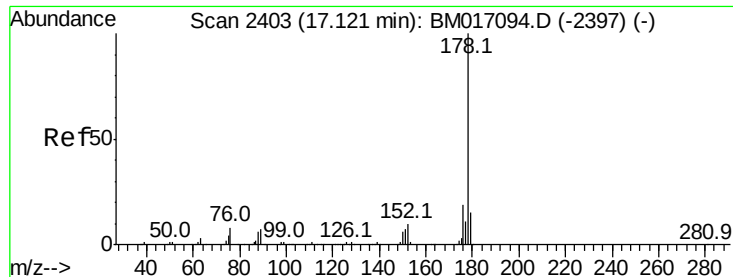
Delta R.T. -0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion:	166	Resp:	52309
Ion Ratio	Lower	Upper	
166	100		
165	95.7	77.3	115.9
167	15.1	10.7	16.1





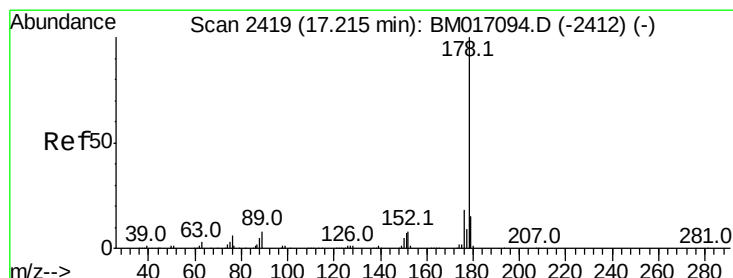
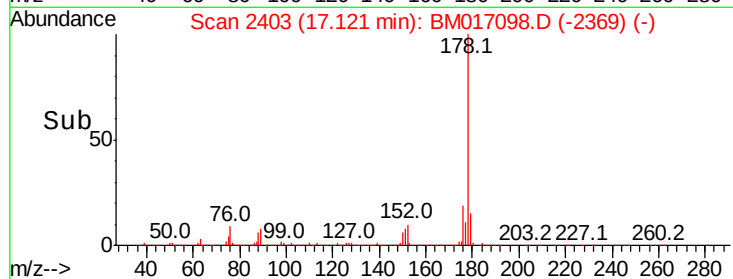
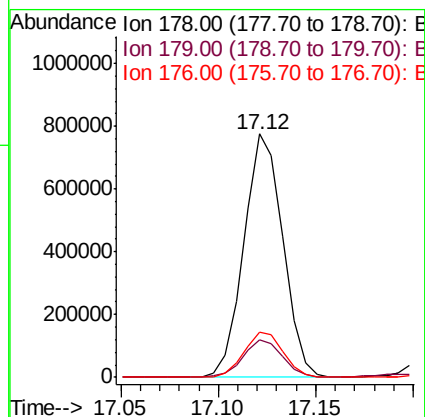
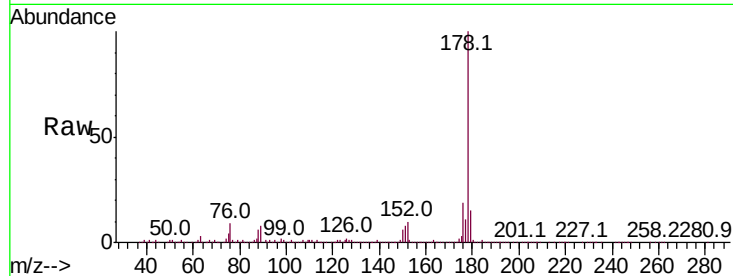
#70
Phenanthrene
Concen: 19.838 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

Instrument :
BNA_M
ClientSampled :
A3YY3

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.7	15.0	22.4

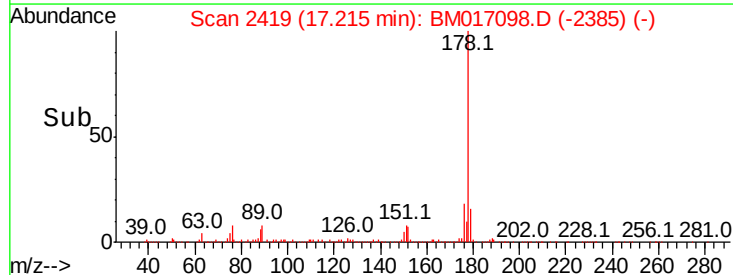
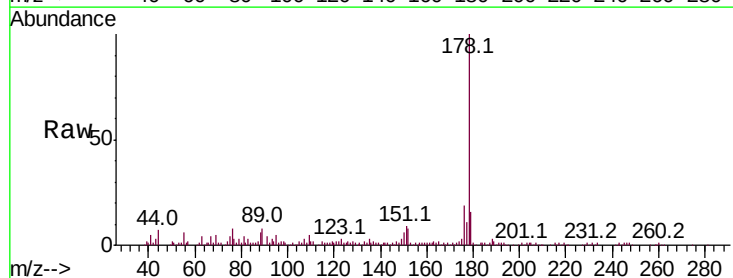
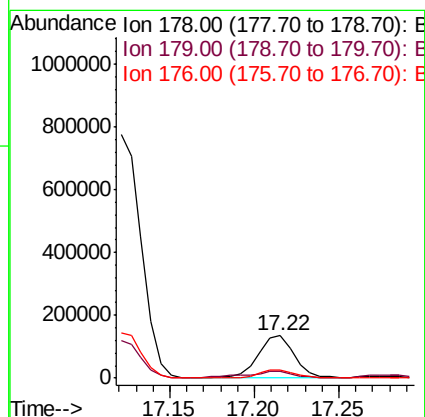
Manual Integrations
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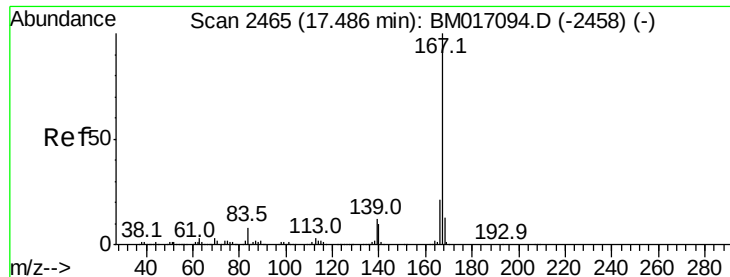
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#72
Anthracene
Concen: 3.610 ng/ul
RT: 17.22 min Scan# 2419
Delta R.T. -0.00 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.4
176	18.6	14.6	22.0





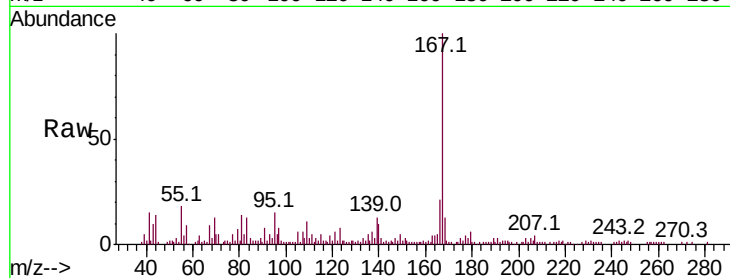
#75
 Carbazole
 Concen: 2.013 ng/ul
 RT: 17.49 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BM017098.D
 Acq: 10 Oct 2018 15:08

Instrument :
 BNA_M
 ClientSampleID :
 A3YY3

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.3	10.0	15.0

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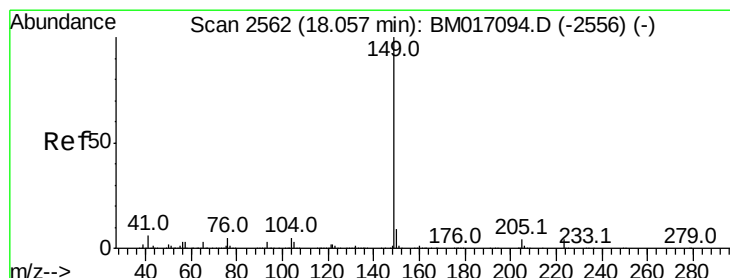
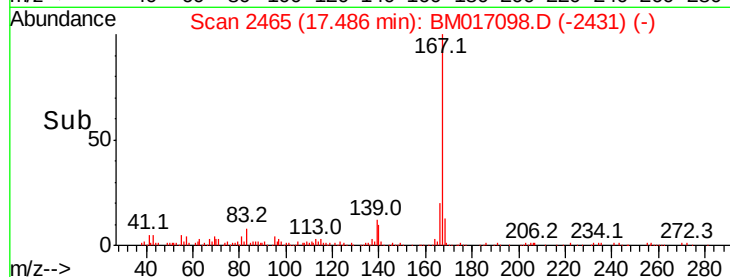
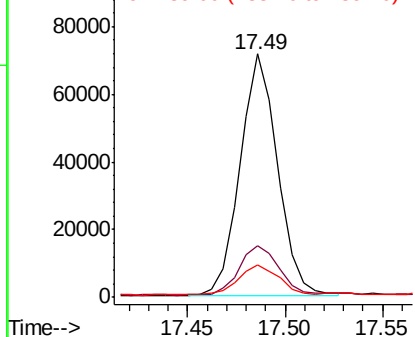


Abundance

Ion 167.00 (166.70 to 167.70): E

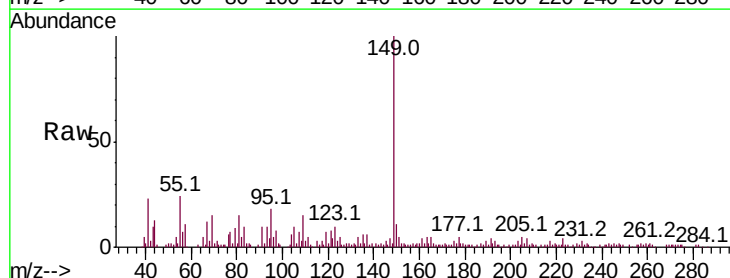
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76
 Di-n-butylphthalate
 Concen: 1.769 ng/ul
 RT: 18.06 min Scan# 2562
 Delta R.T. -0.00 min
 Lab File: BM017098.D
 Acq: 10 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.7	7.4	11.0
104	6.4	3.8	5.8

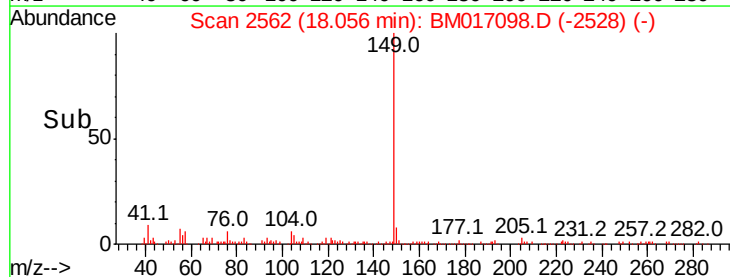
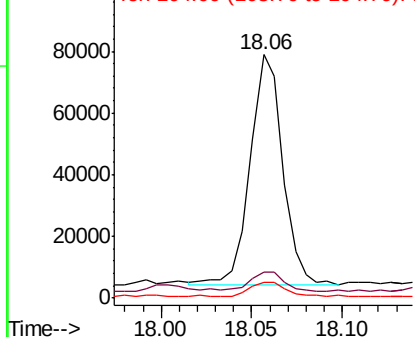


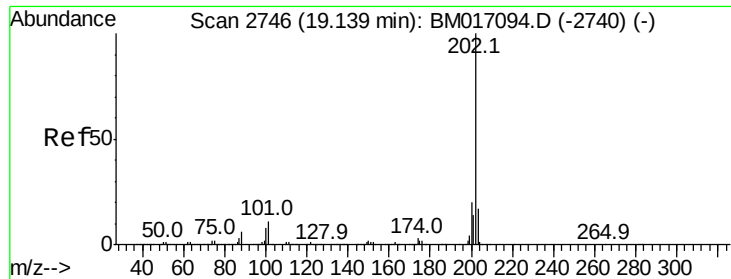
Abundance

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





#77

Fluoranthene

Concen: 28.679 ng/ul

RT: 19.14 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

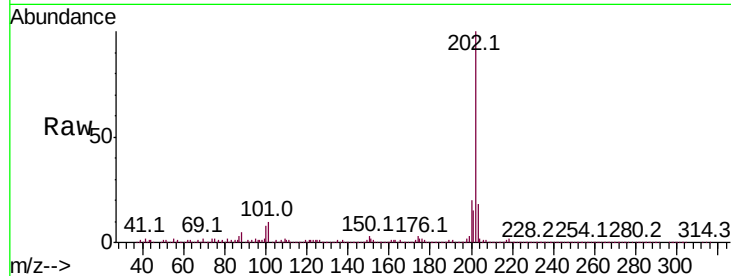
ClientSampled :

A3YY3

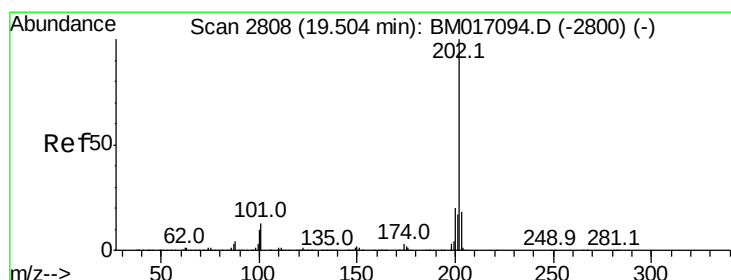
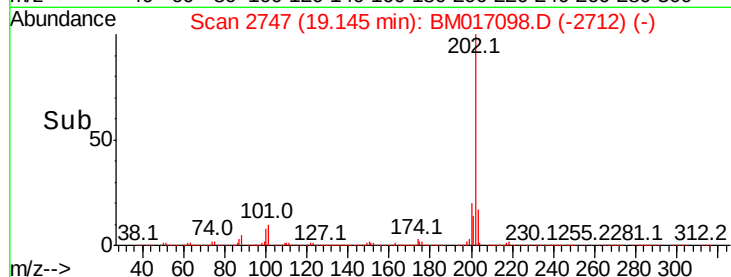
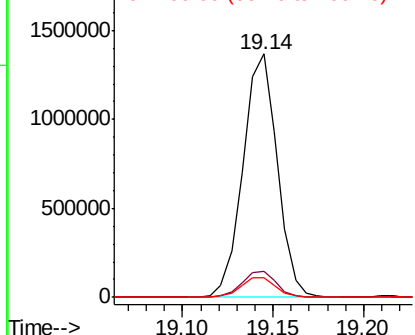
Tot Ion:	202	Resp:	1790474
Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.3	12.5
100	8.0	6.6	9.8

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



#80

Pyrene

Concen: 28.305 ng/ul

RT: 19.51 min Scan# 2809

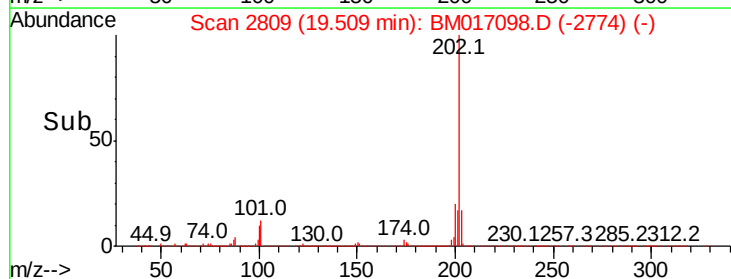
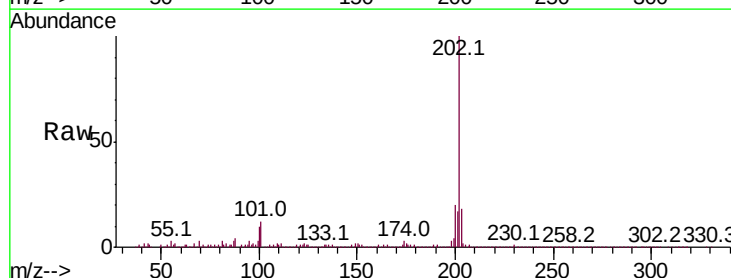
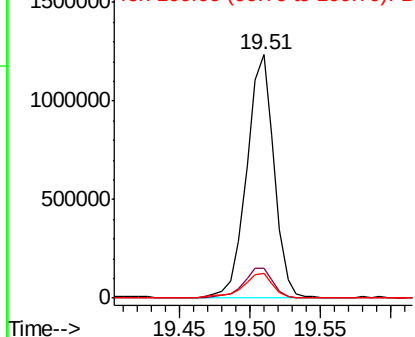
Delta R.T. 0.01 min

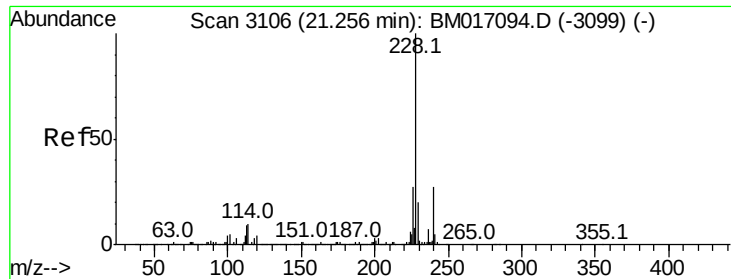
Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion:	202	Resp:	1671489
Ion	Ratio	Lower	Upper
202	100		
101	12.4	10.8	16.2
100	10.2	8.9	13.3

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





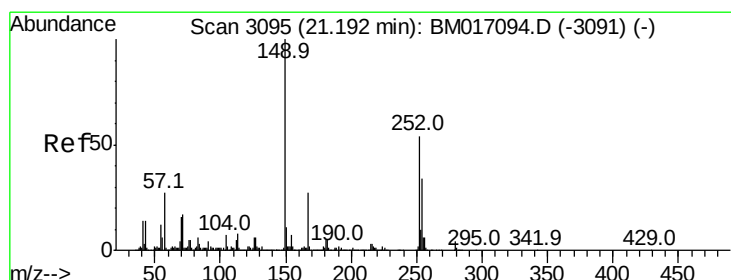
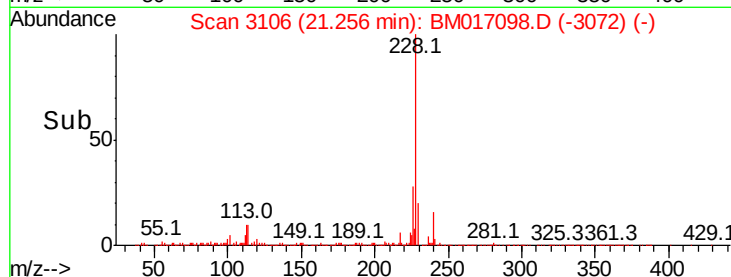
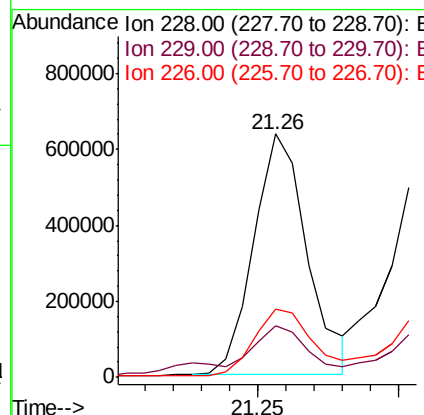
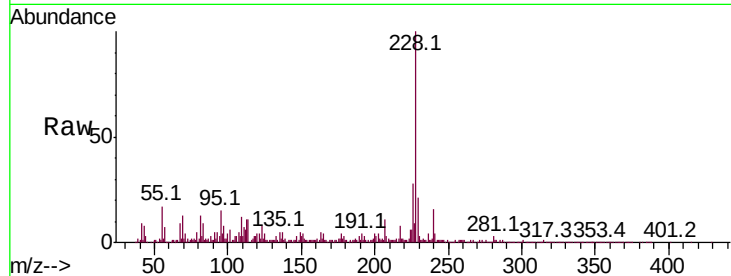
#83
Benzo(a)anthracene
Concen: 13.506 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

Instrument :
BNA_M
ClientSampleId :
A3YY3

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.7	23.5
226	28.1	20.9	31.3

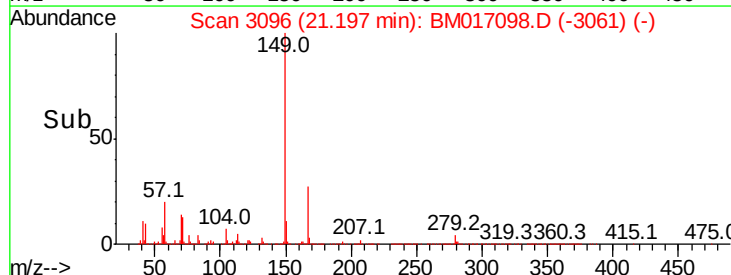
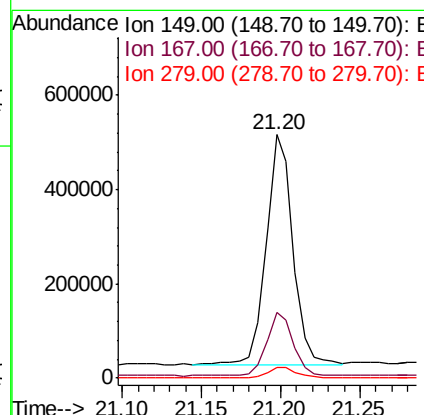
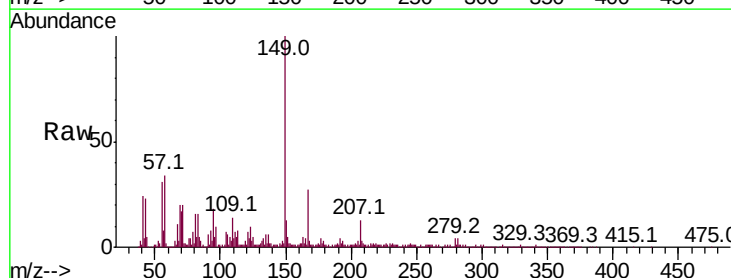
Manual Integrations
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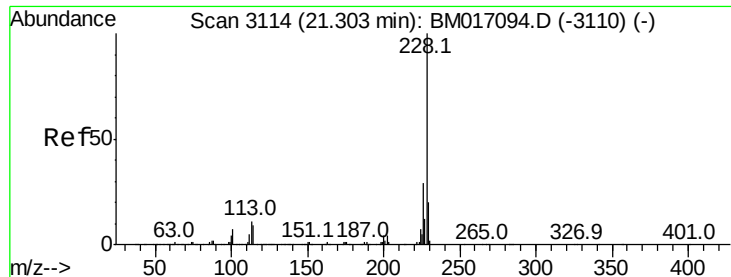
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#84
Bis(2-ethylhexyl)phthalate
Concen: 18.033 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. 0.01 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.5	33.7
279	4.4	3.7	5.5





#85

Chrysene

Concen: 15.013 ng/ul

RT: 21.31 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

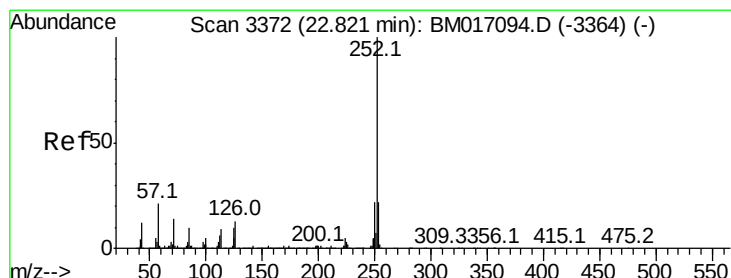
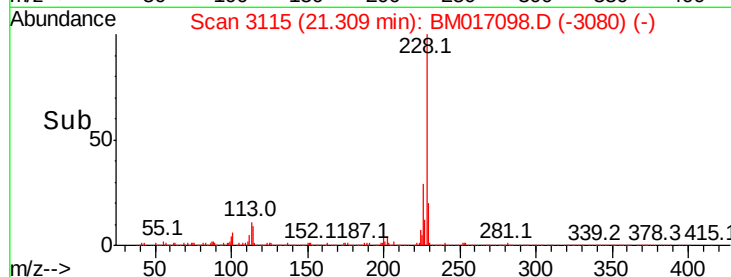
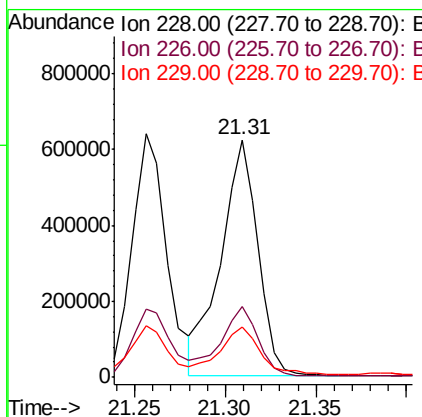
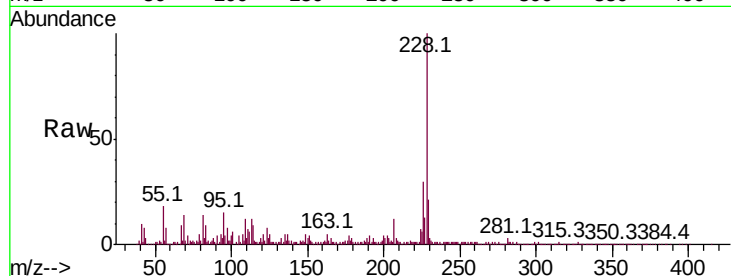
ClientSampled :

A3YY3

Tot Ion:	228	Resp:	887771
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.4	35.2
229	21.3	15.6	23.4

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10/11/2018 5:42:22 PM



#88

Benzo(b)fluoranthene

Concen: 18.196 ng/ul

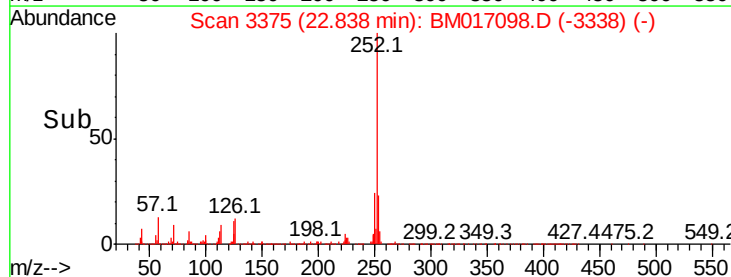
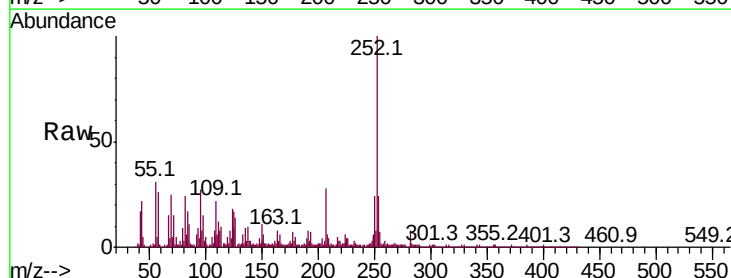
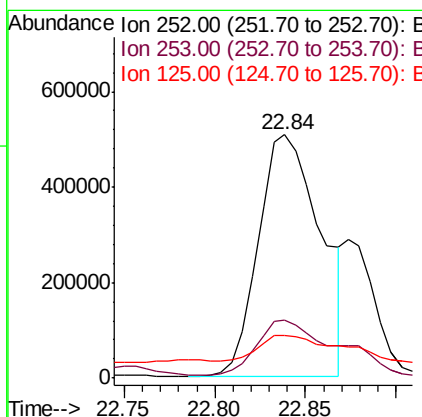
RT: 22.84 min Scan# 3375

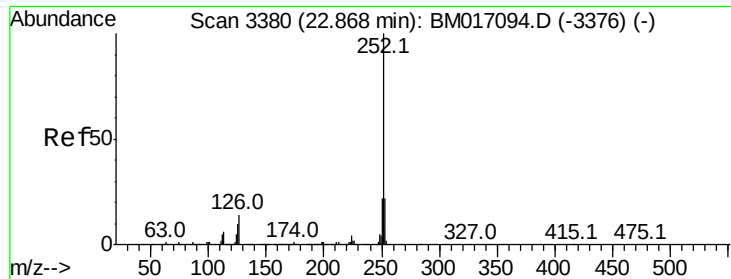
Delta R.T. 0.02 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion:	252	Resp:	1214664
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.3	25.9
125	17.3	8.2	12.4#





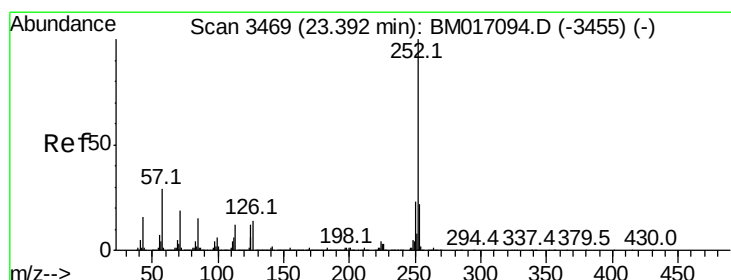
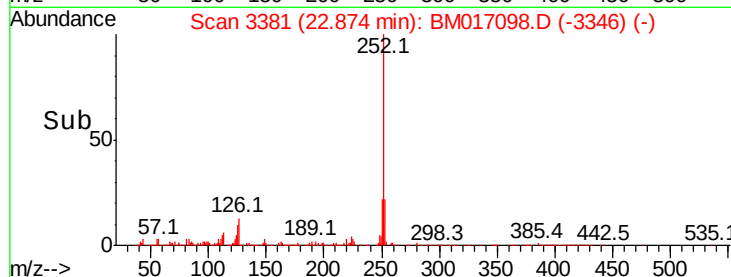
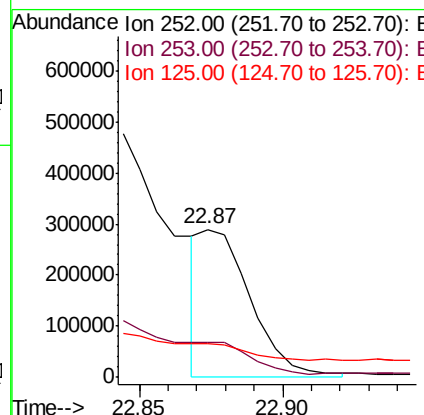
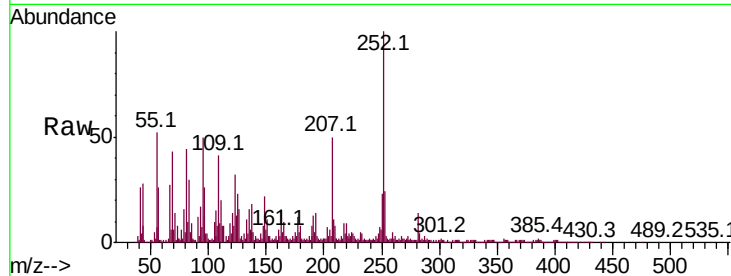
#89
Benzo(k)fluoranthene
Concen: 5.424 ng/ul m
RT: 22.87 min Scan# 3381
Delta R.T. 0.01 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

Instrument :
BNA_M
ClientSampleId :
A3YY3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	22.5	8.2	12.4

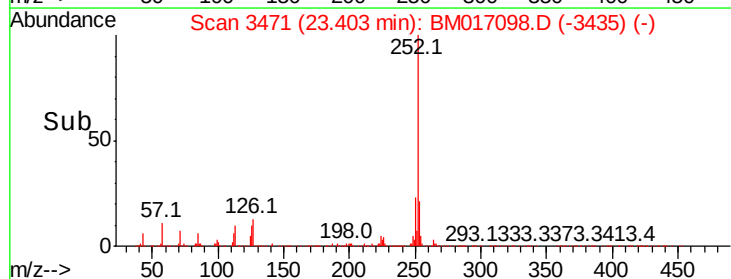
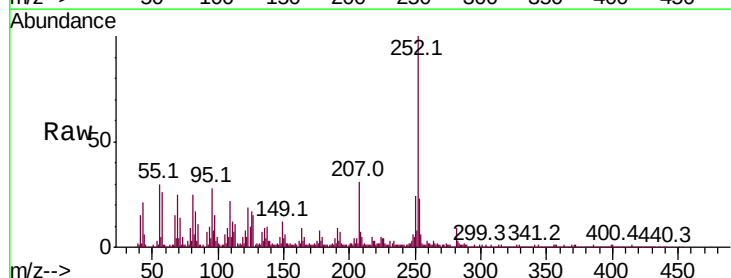
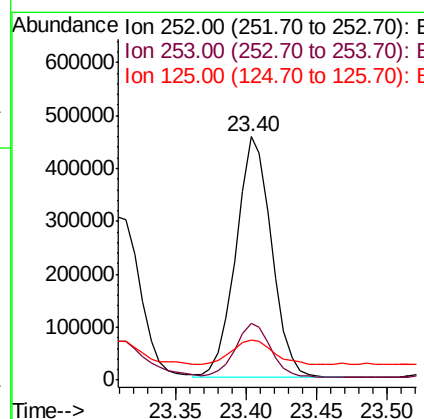
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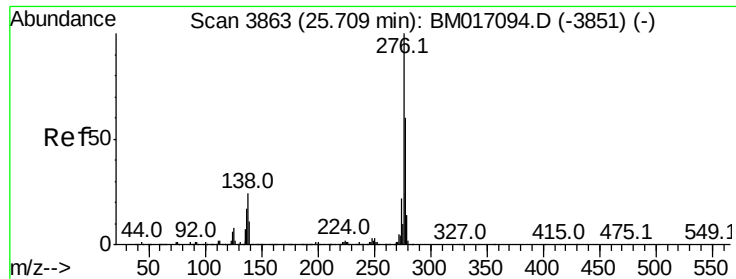
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#91
Benzo(a)pyrene
Concen: 12.460 ng/ul
RT: 23.40 min Scan# 3471
Delta R.T. 0.01 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	16.6	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 7.469 ng/ul

RT: 25.73 min Scan# 3866

Delta R.T. 0.02 min

Lab File: BM017098.D

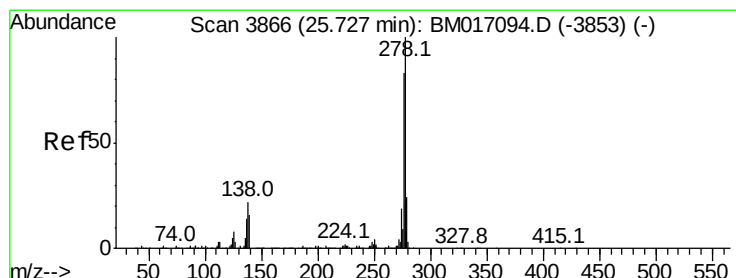
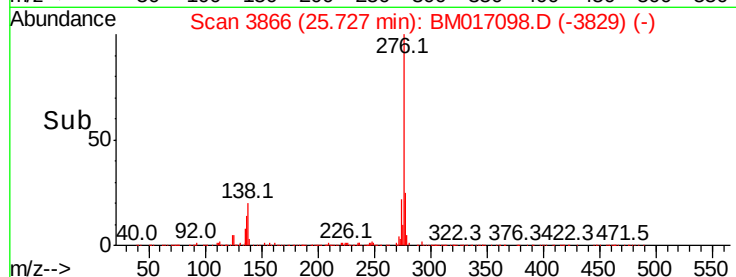
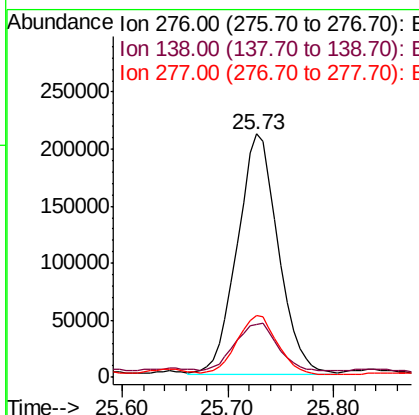
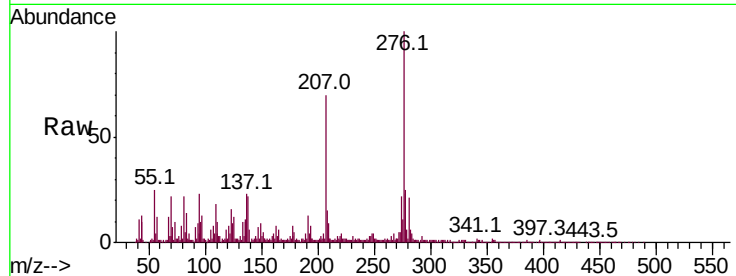
Acq: 10 Oct 2018 15:08

Instrument :
BNA_M
ClientSampleId :
A3YY3

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.3	30.5
277	25.3	20.2	30.2

Manual Integrations
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10/11/2018 5:42:22 PM



#93

Dibenzo(a,h)anthracene

Concen: 2.412 ng/ul

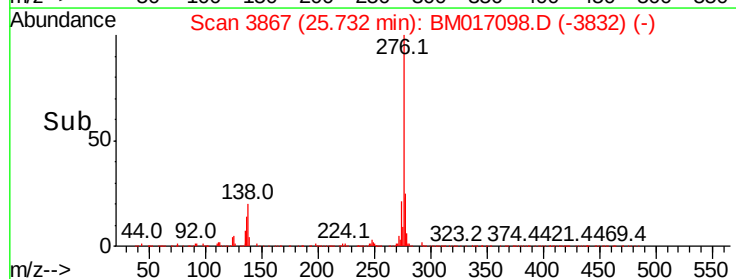
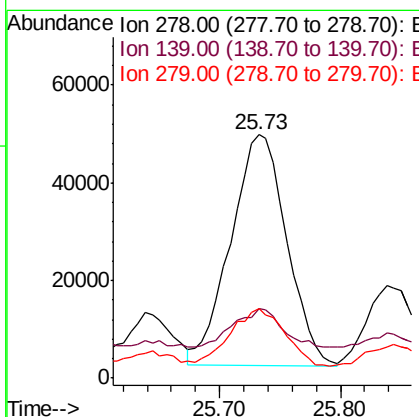
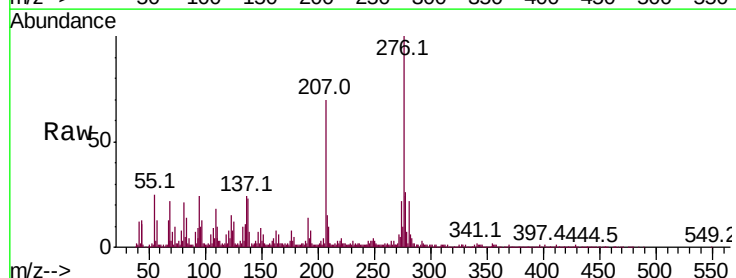
RT: 25.73 min Scan# 3867

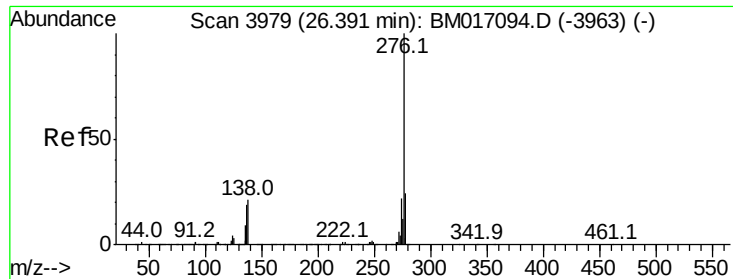
Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.8	13.2	19.8#
279	28.5	18.4	27.6#





#94

Benzo(a,h,i)perylene

Concen: 8.637 ng/ul

RT: 26.41 min Scan# 3982

Delta R.T. 0.02 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampleId :

A3YY3

Tot Ion:	276	Resp:	546249
Ion Ratio	Lower	Upper	
276	100		
138	23.5	17.5	26.3
277	25.0	18.5	27.7

Manual Integrations
APPROVED

Sohil
10/11/2018 5:42:22 PM

