

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112918\
 Data File : BM017813.D
 Acq On : 30 Nov 2018 01:33
 Operator : JU/SJ
 Sample : J6027-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB4R8

Quant Time: Nov 30 02:09:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 29 00:55:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	265617	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1134116	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	629967	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1243138	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	893504	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	904706	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	6.95	67	129	0.01	ng/ul	0.00
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	10.47	131	708	0.04	ng/ul	-0.04
43) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
46) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
51) 4-Nitrophenol-d4	14.44	143	127	0.01	ng/ul	-0.02
57) Fluorene-d10	15.24	176	3549	0.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	16.99	188	1243138	20.09	ng/ul	-0.10
78) Pyrene-d10	19.38	212	146	0.00	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.38	264	900892	18.36	ng/ul	0.14

Target Compounds

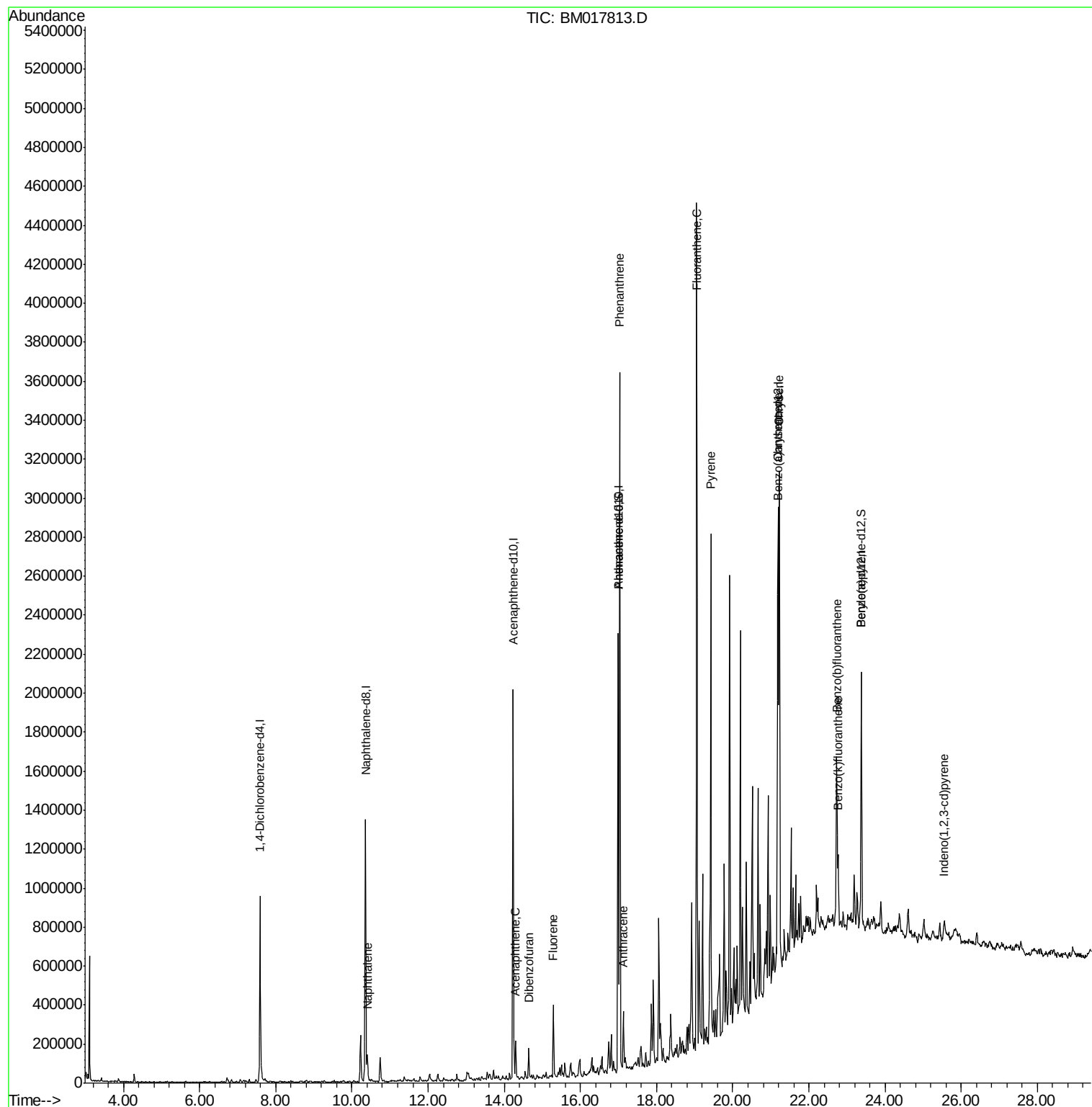
						Qvalue
28) Naphthalene	10.40	128	95905	1.623	ng/ul	98
49) Acenaphthene	14.30	153	78047	1.753	ng/ul	94
53) Dibenzofuran	14.64	168	105562	1.675	ng/ul	98
58) Fluorene	15.29	166	162584	3.094	ng/ul	96
69) Phenanthrene	17.03	178	2100863	29.552	ng/ul	99
71) Anthracene	17.13	178	202022	2.779	ng/ul	98
76) Fluoranthene	19.06	202	2592550	31.005	ng/ul	98
79) Pyrene	19.42	202	1549830	28.574	ng/ul	98
82) Benzo(a)anthracene	21.18	228	748412	13.504	ng/ul	99
84) Chrysene	21.23	228	837265	16.154	ng/ul	99
87) Benzo(b)fluoranthene	22.73	252	614807	10.933	ng/ul#	94
88) Benzo(k)fluoranthene	22.77	252	210971	3.860	ng/ul#	95
91) Indeno(1,2,3-cd)pyrene	25.55	276	65312	1.156	ng/ul	97

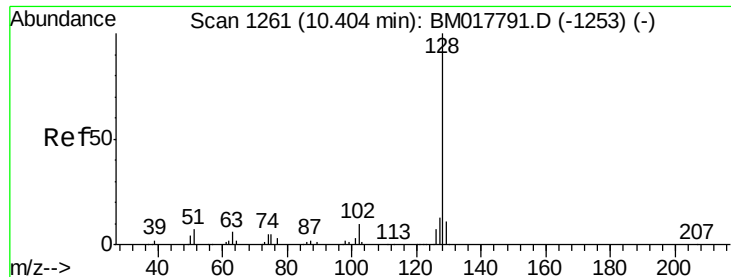
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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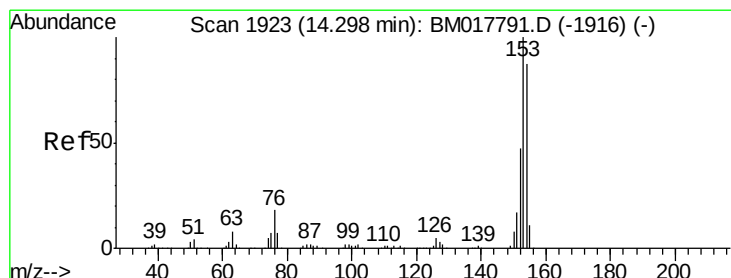
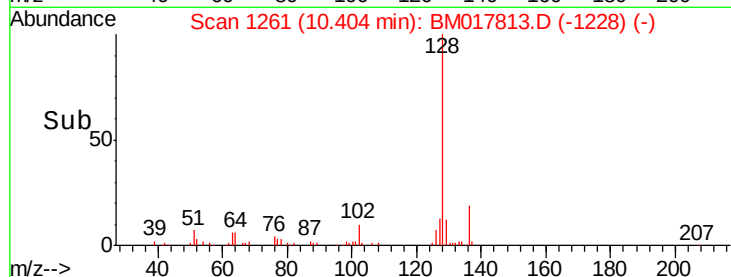
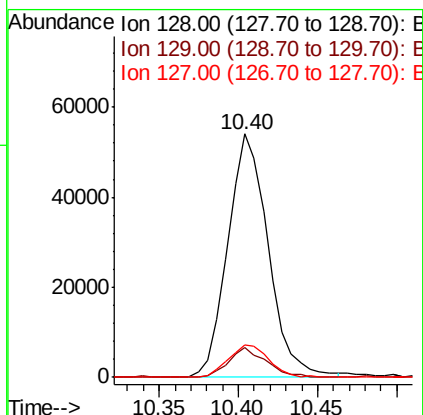
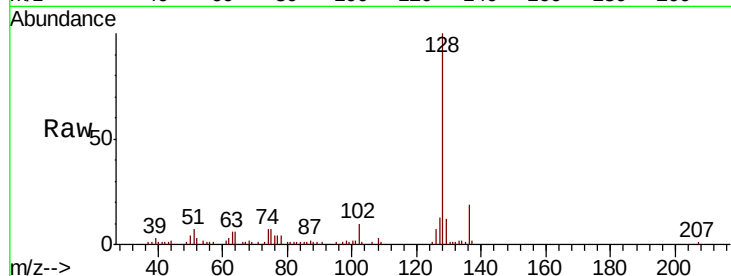




#28
Naphthalene
Concen: 1.623 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM017813.D
Acq: 30 Nov 2018 01:33

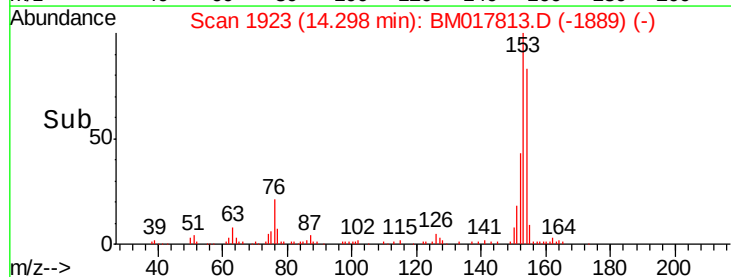
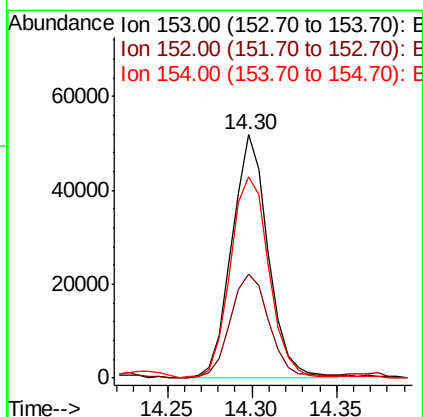
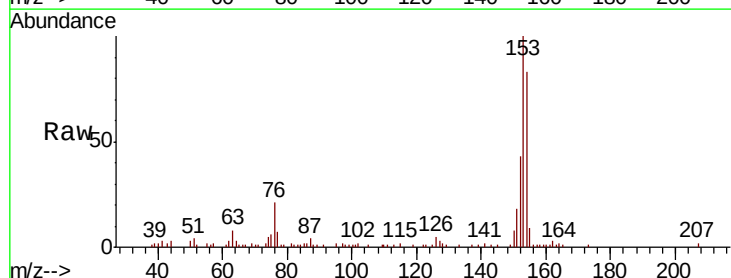
Instrument :
BNA_M
ClientSampleId :
CB4R8

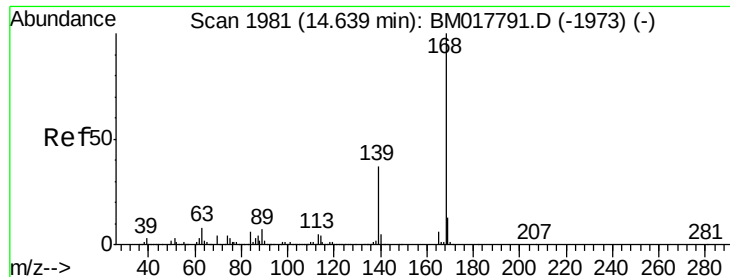
Tgt Ion:128 Resp: 95905
Ion Ratio Lower Upper
128 100
129 12.1 8.6 12.8
127 13.5 10.8 16.2



#49
Acenaphthene
Concen: 1.753 ng/ul
RT: 14.30 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BM017813.D
Acq: 30 Nov 2018 01:33

Tgt Ion:153 Resp: 78047
Ion Ratio Lower Upper
153 100
152 43.0 37.0 55.6
154 82.6 70.6 106.0





#53

Dibenzenofuran

Concen: 1.675 ng/ul

RT: 14.64 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

Instrument :

BNA_M

ClientSampleId :

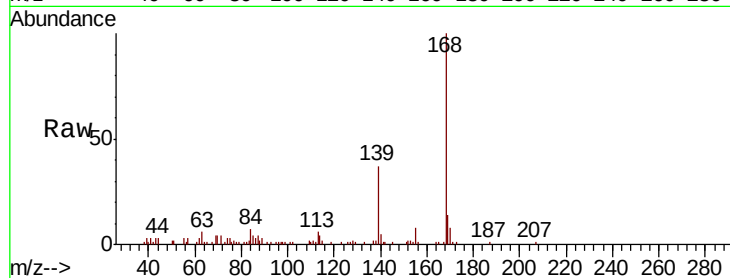
CB4R8

Tgt Ion:168 Resp: 105562

Ion Ratio Lower Upper

168 100

139 37.2 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

60000

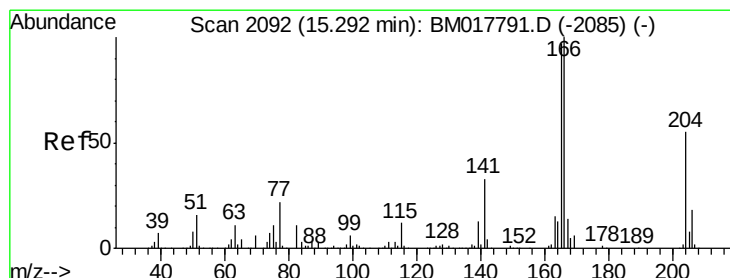
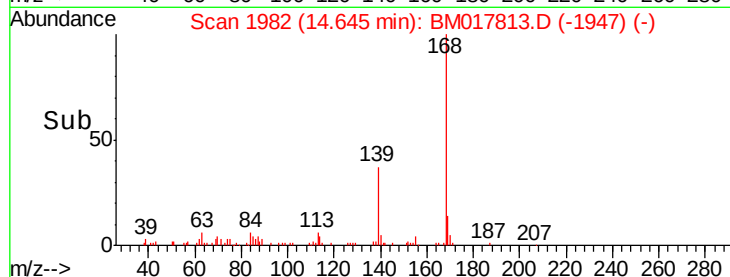
40000

20000

0

14.64

Time-->



#58

Fluorene

Concen: 3.094 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. -0.00 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

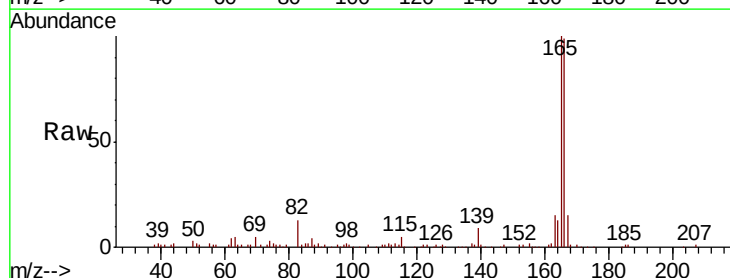
Tgt Ion:166 Resp: 162584

Ion Ratio Lower Upper

166 100

165 100.9 78.0 117.0

167 15.3 10.8 16.2



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

150000

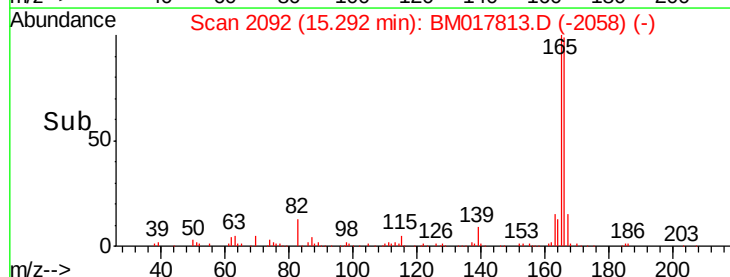
100000

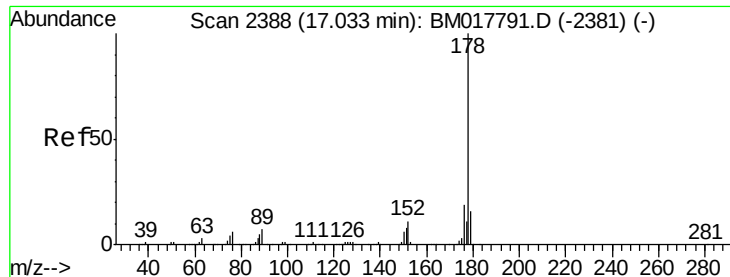
50000

0

15.29

Time-->





#69

Phenanthrene

Concen: 29.552 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

Instrument :

BNA_M

ClientSampleId :

CB4R8

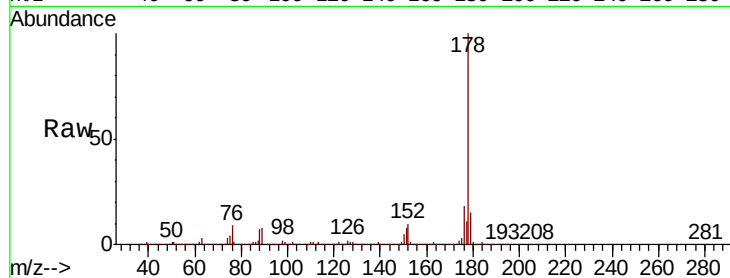
Tgt Ion:178 Resp: 2100863

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

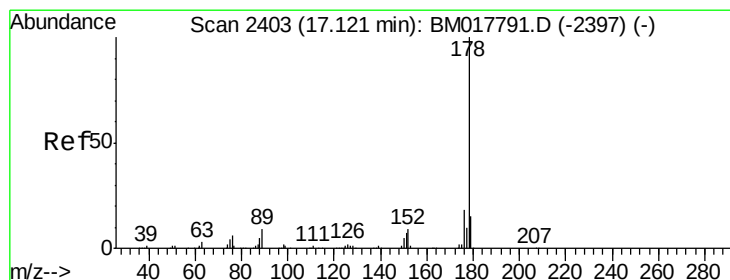
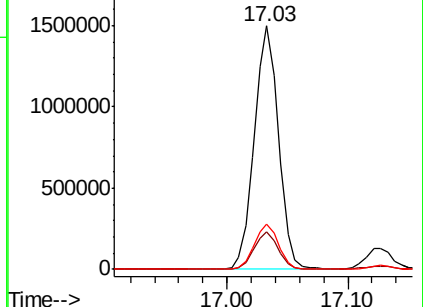
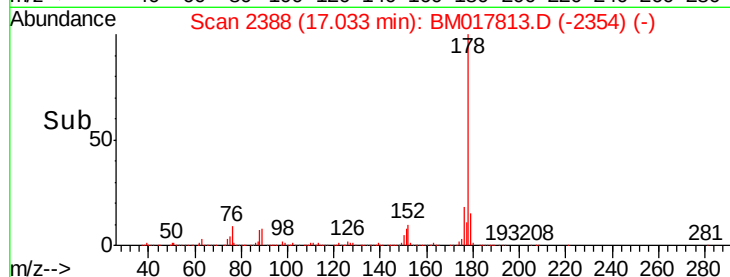
176 18.4 15.0 22.6



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: 2.779 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

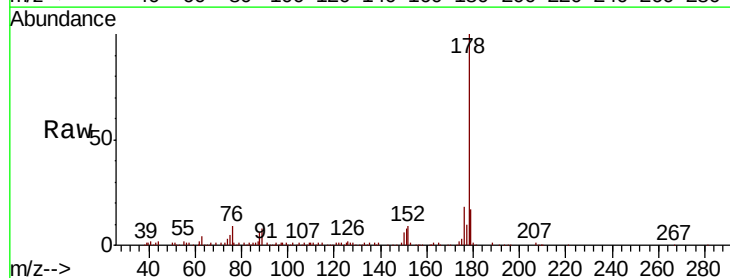
Tgt Ion:178 Resp: 202022

Ion Ratio Lower Upper

178 100

179 16.6 12.4 18.6

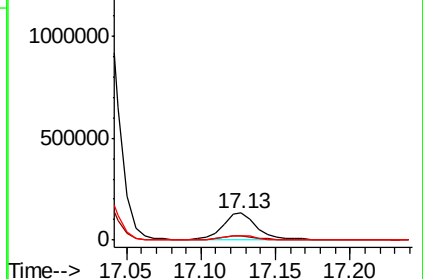
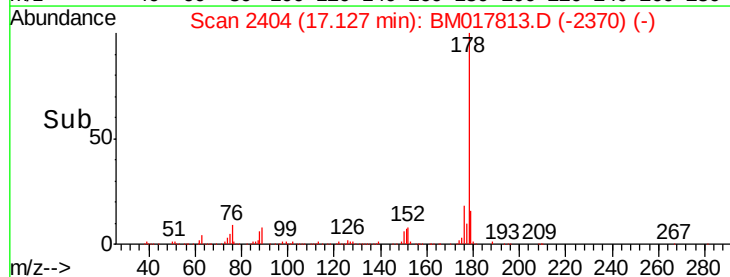
176 17.9 14.8 22.2

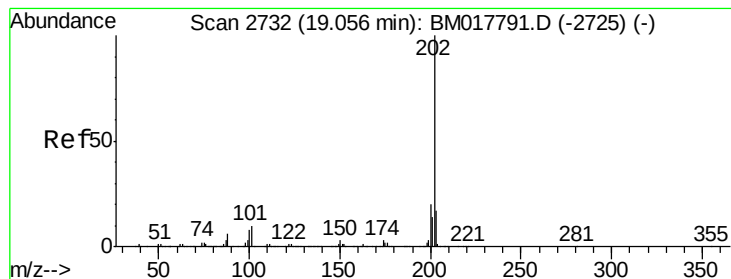


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 31.005 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

Instrument :

BNA_M

ClientSampleId :

CB4R8

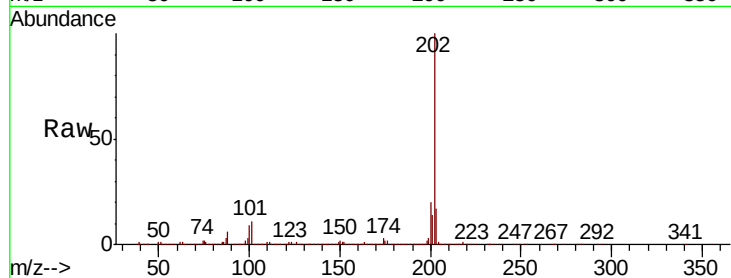
Tgt Ion:202 Resp: 2592550

Ion Ratio Lower Upper

202 100

101 11.1 8.4 12.6

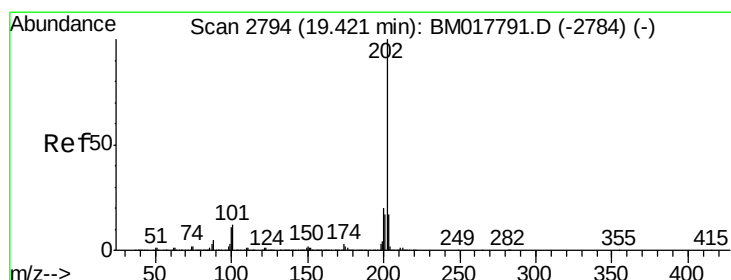
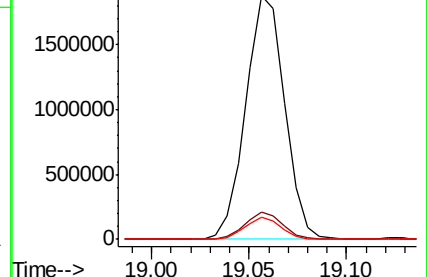
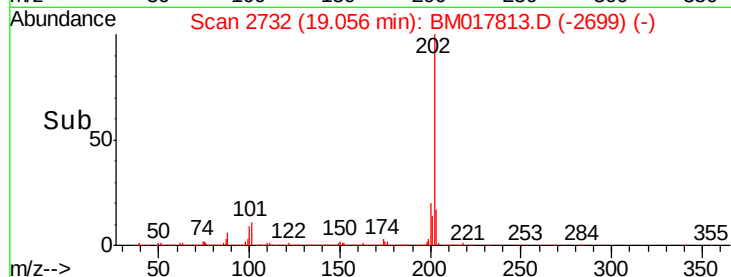
100 8.9 6.6 9.8



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



#79

Pyrene

Concen: 28.574 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

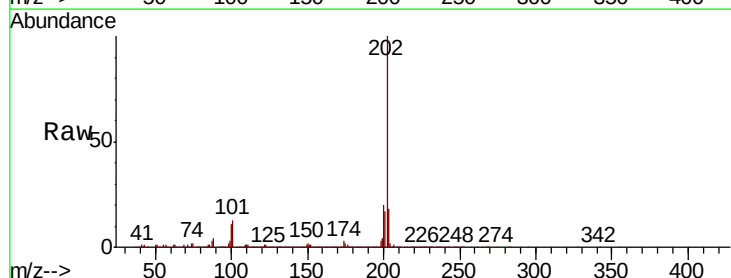
Tgt Ion:202 Resp: 1549830

Ion Ratio Lower Upper

202 100

101 12.6 9.6 14.4

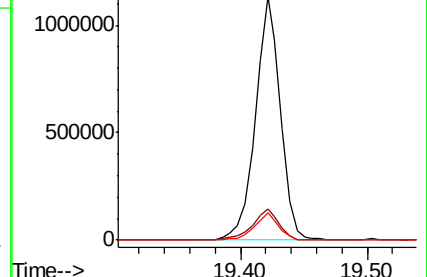
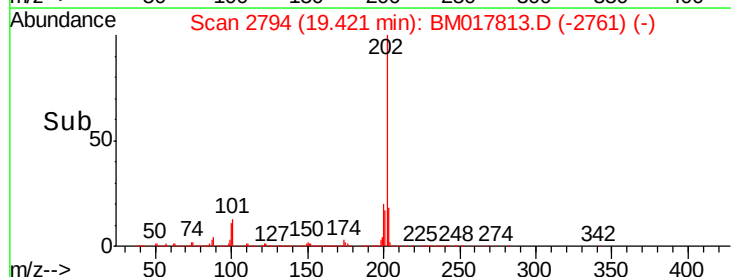
100 11.1 7.9 11.9

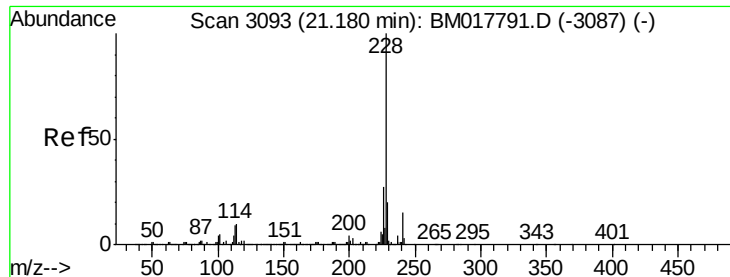


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 13.504 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

Instrument :

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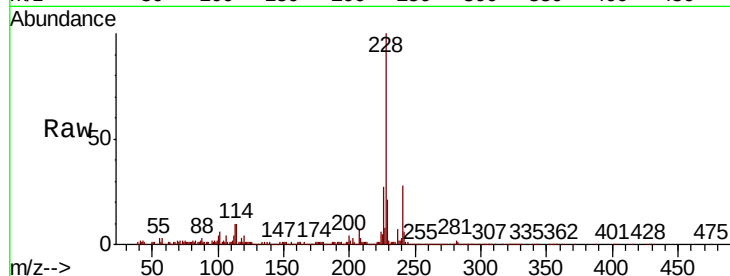
Tgt Ion:228 Resp: 748412

Ion Ratio Lower Upper

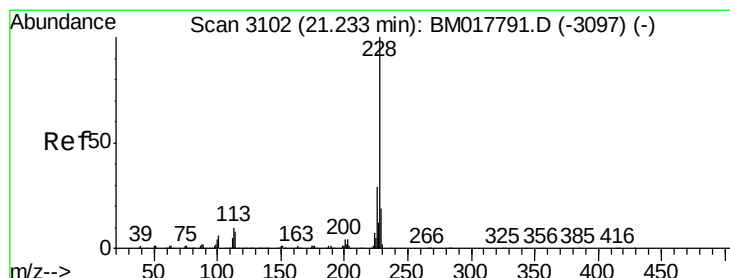
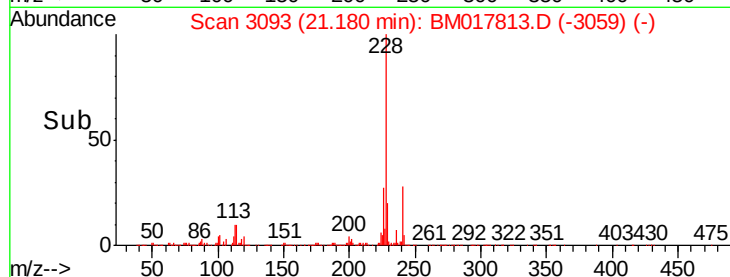
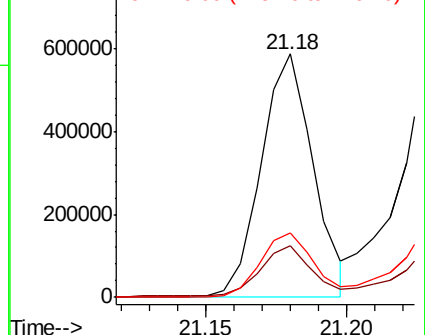
228 100

229 20.9 16.0 24.0

226 26.7 21.0 31.6



Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 16.154 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

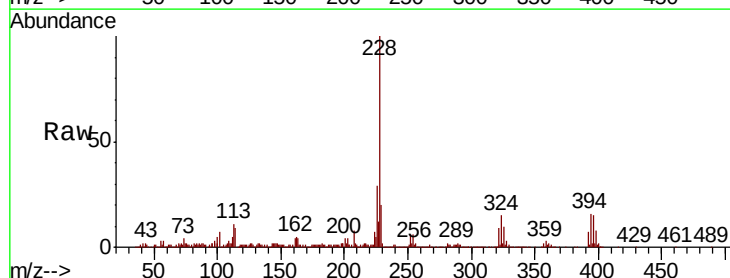
Tgt Ion:228 Resp: 837265

Ion Ratio Lower Upper

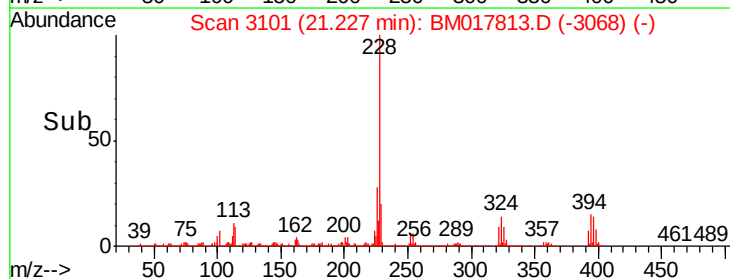
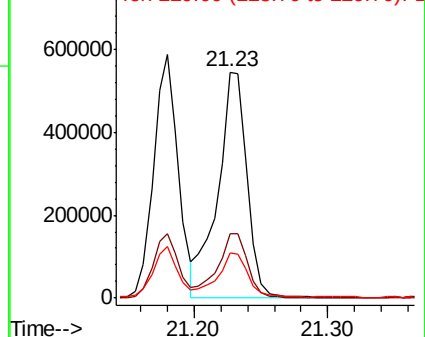
228 100

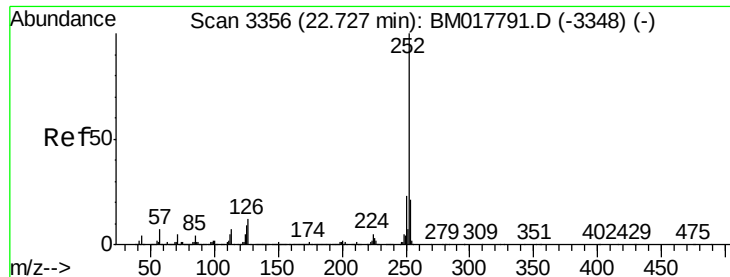
226 28.5 23.7 35.5

229 19.9 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 10.933 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. -0.00 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

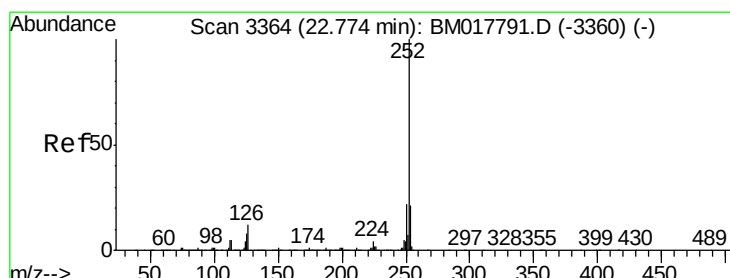
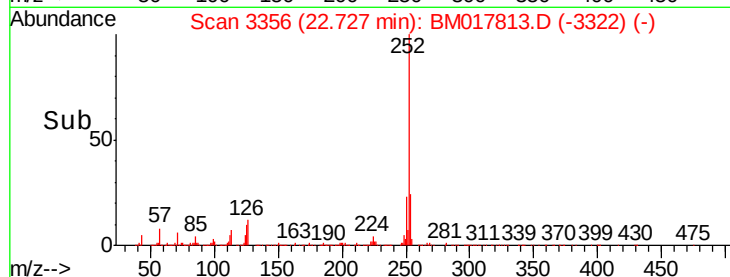
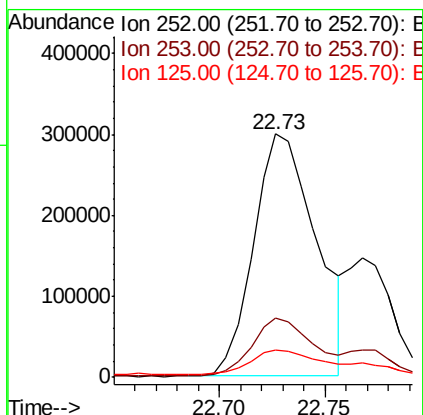
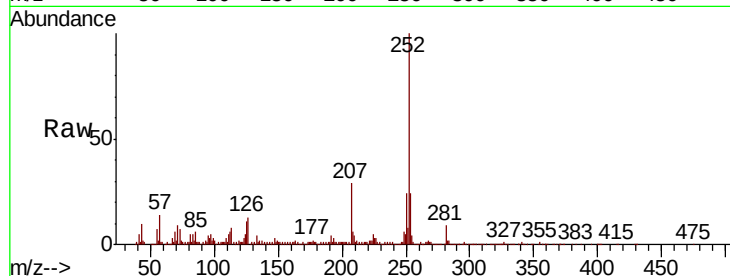
Instrument :

BNA_M

ClientSampleId :

CB4R8

Tgt Ion:	252	Resp:	614807
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.4
125	11.0	7.3	10.9#



#88

Benzo(k)fluoranthene

Concen: 3.860 ng/ul

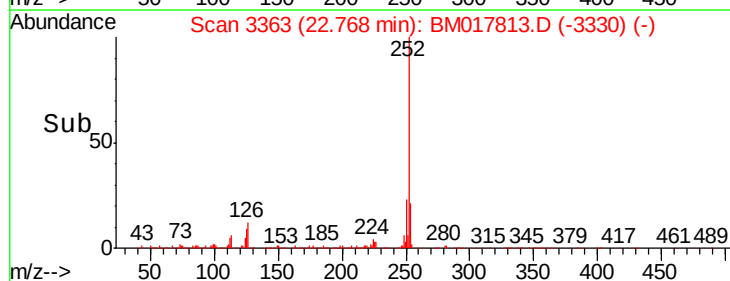
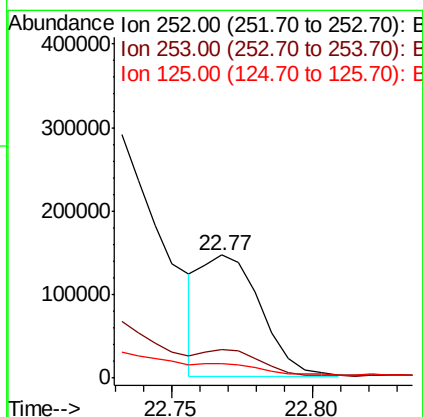
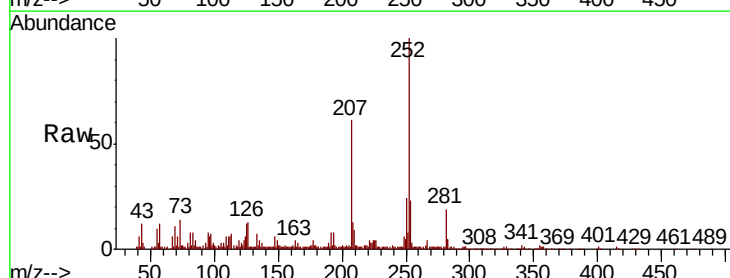
RT: 22.77 min Scan# 3363

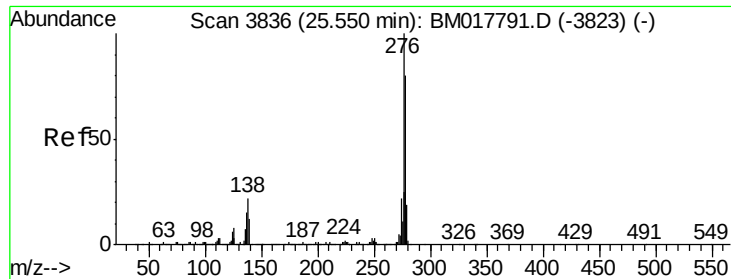
Delta R.T. -0.01 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

Tgt Ion:	252	Resp:	210971
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	11.7	7.1	10.7#





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.156 ng/ul

RT: 25.55 min Scan# 3836

Delta R.T. -0.01 min

Lab File: BM017813.D

Acq: 30 Nov 2018 01:33

Instrument :

BNA_M

ClientSampleId :

CB4R8

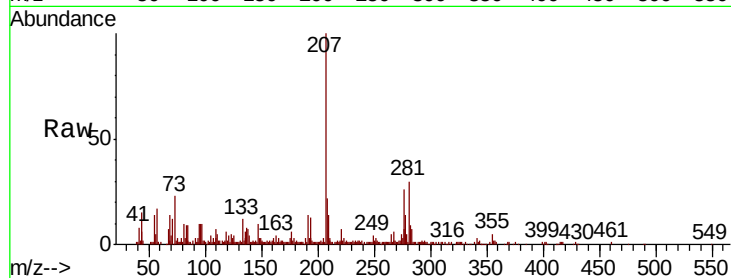
Tgt Ion: 276 Resp: 65312

Ion Ratio Lower Upper

276 100

138 25.2 18.2 27.2

277 25.4 20.2 30.4



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

