

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102418\
 Data File : BM017327.D
 Acq On : 24 Oct 2018 21:06
 Operator : MJ/SJ
 Sample : J5598-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 25 01:28:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 25 01:24:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	275892	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1273696	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	765876	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1829461	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2222687	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2474775	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	18185	3.03	ng/uL	0.00
5) Phenol-d5	6.84	99	405919	16.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	249139	16.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	332894	17.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	318751	16.00	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	165070	16.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	185484	16.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	330939	15.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	391226	23.11	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1117807	17.02	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1364149	17.11	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	116935	9.53	ng/ul	0.00
58) Fluorene-d10	15.30	176	994560	17.44	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	139666	10.96	ng/ul	0.00
71) Anthracene-d10	17.14	188	1569373	17.33	ng/ul	0.00
79) Pyrene-d10	19.44	212	1850206	17.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2344635	17.94	ng/ul	0.00

Target Compounds

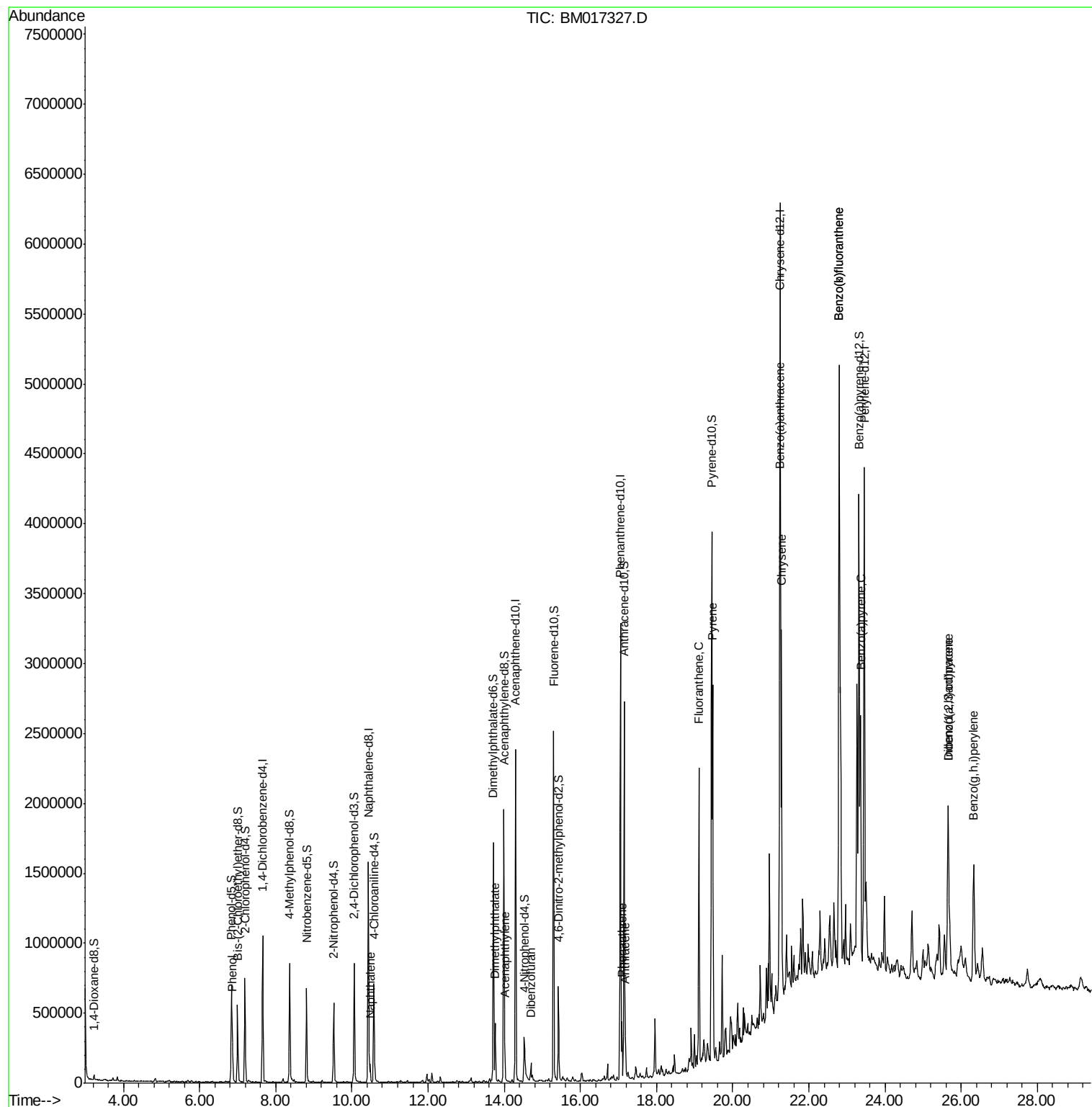
					Ovalue	
6) Phenol	6.86	94	129168	5.162	ng/ul	99
28) Naphthalene	10.47	128	106273	1.595	ng/ul	99
45) Dimethylphthalate	13.76	163	261158	4.104	ng/ul	97
48) Acenaphthylene	14.02	152	122722	1.640	ng/ul	99
54) Dibenzofuran	14.70	168	82163	1.082	ng/ul	95
70) Phenanthrene	17.09	178	234224	2.230	ng/ul	99
72) Anthracene	17.18	178	193546	1.814	ng/ul	99
77) Fluoranthene	19.11	202	1199222	9.959	ng/ul	98
80) Pyrene	19.47	202	1522969	11.800	ng/ul	98
83) Benzo(a)anthracene	21.23	228	921089	6.772	ng/ul	96
85) Chrysene	21.28	228	1589327	12.288	ng/ul	99
88) Benzo(b)fluoranthene	22.80	252	3345632	23.095	ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	3345632	23.644	ng/ul	99
91) Benzo(a)pyrene	23.36	252	976031	6.897	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.66	276	1194708	6.938	ng/ul	97
93) Dibenzo(a,h)anthracene	25.66	278	311906	2.169	ng/ul#	85
94) Benzo(g,h,i)perylene	26.33	276	982836	6.719	ng/ul	99

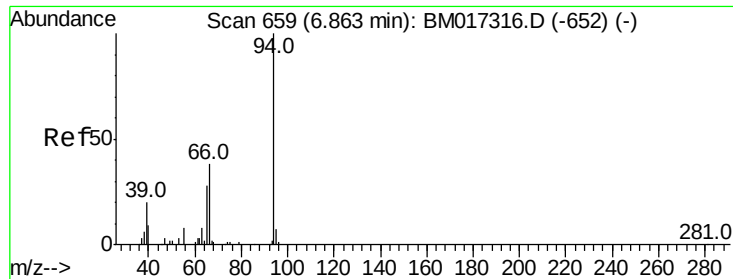
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.162 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

Instrument :

BNA_M

ClientSampled :

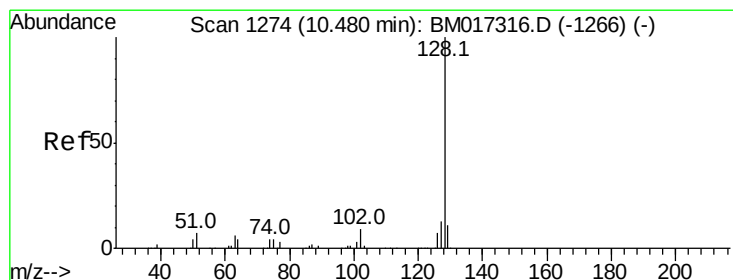
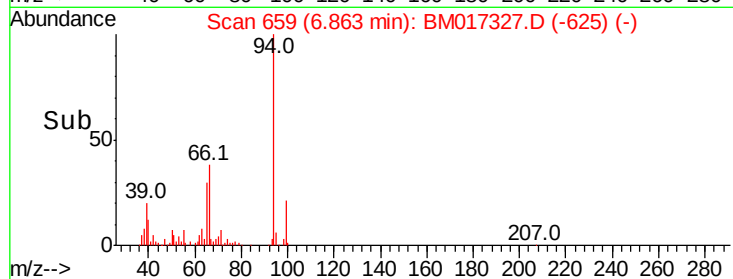
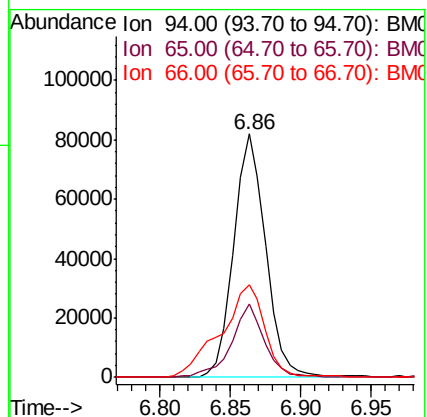
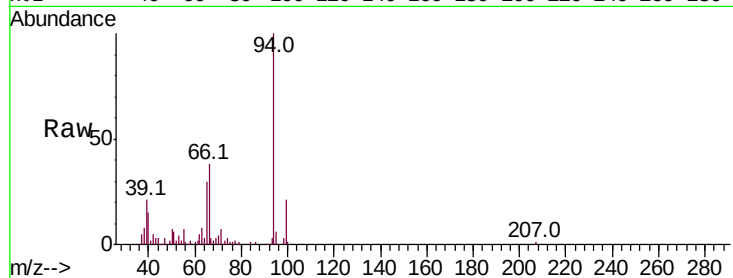
Tot Ion: 94 Resp: 129168

Ion Ratio Lower Upper

94 100

65 30.1 24.0 36.0

66 38.3 31.1 46.7



#28

Naphthalene

Concen: 1.595 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

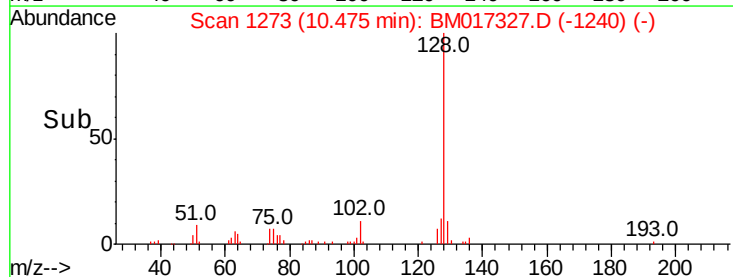
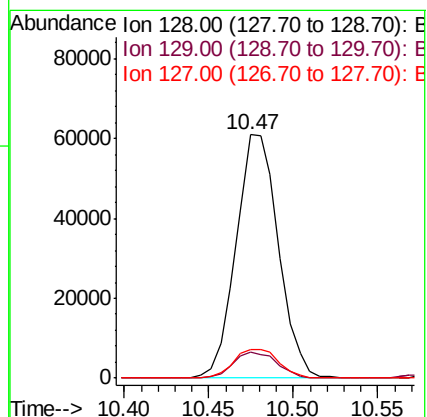
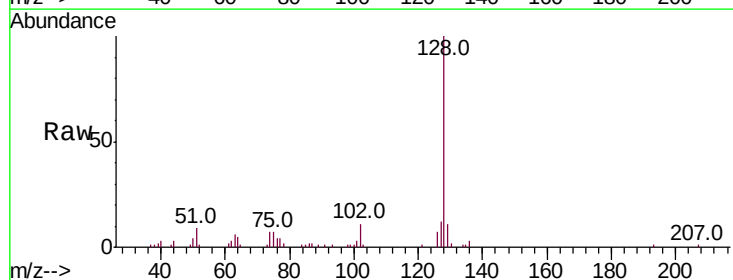
Tgt Ion: 128 Resp: 106273

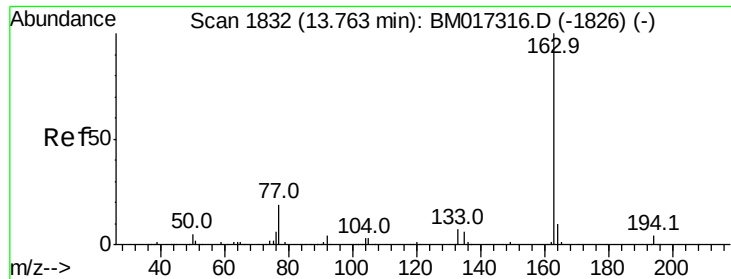
Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 12.0 10.3 15.5

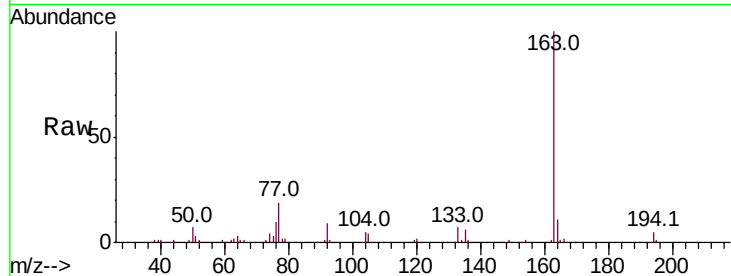




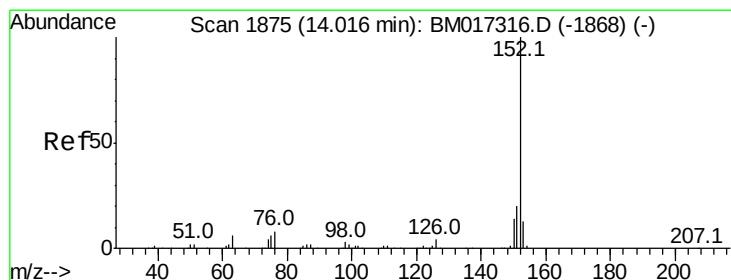
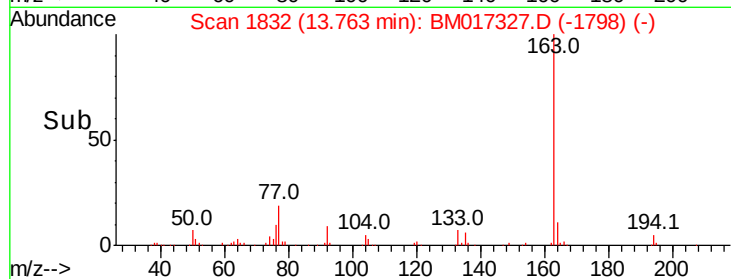
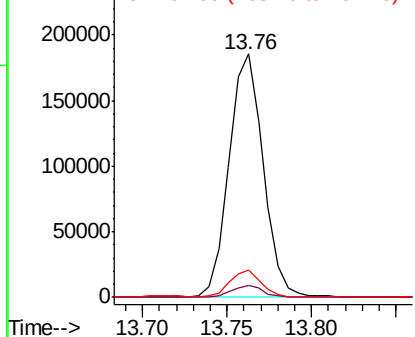
#45
Dimethylphthalate
Concen: 4.104 ng/ul
RT: 13.76 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BM017327.D
Acq: 24 Oct 2018 21:06

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.2	4.8
164	11.3	8.1	12.1

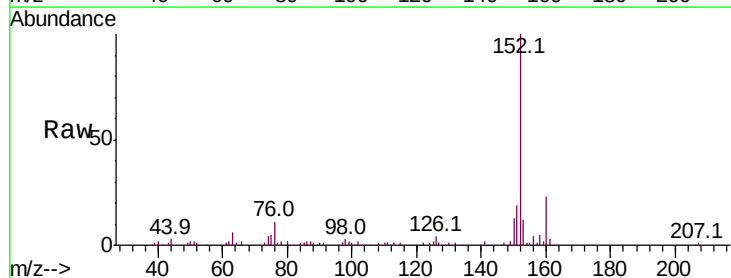


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

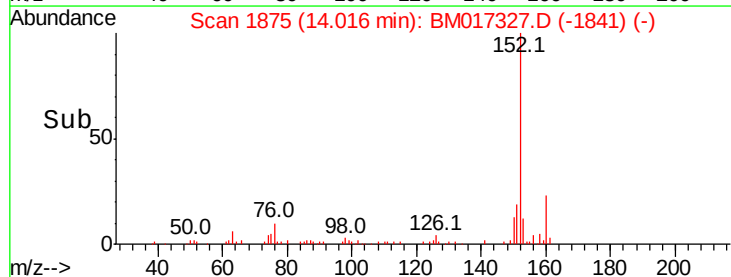
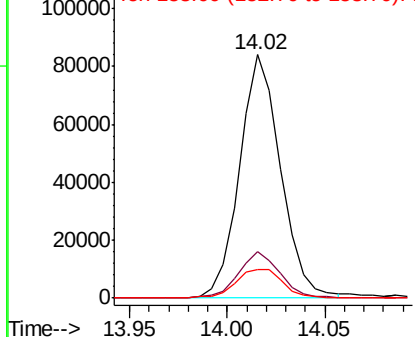


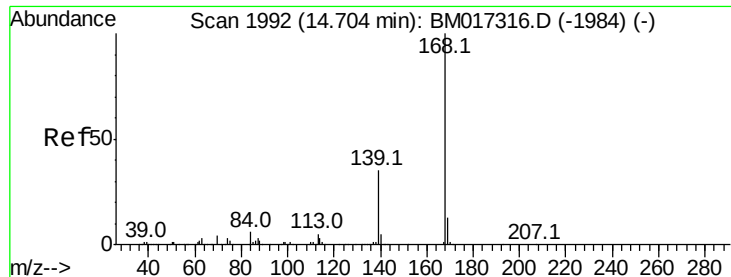
#48
Acenaphthylene
Concen: 1.640 ng/ul
RT: 14.02 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM017327.D
Acq: 24 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	11.9	10.2	15.4



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





#54

Dibenzo(f,h)quinoxaline

Concen: 1.082 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

Instrument :

BNA_M

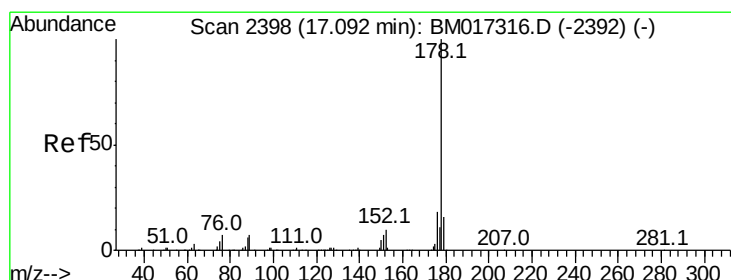
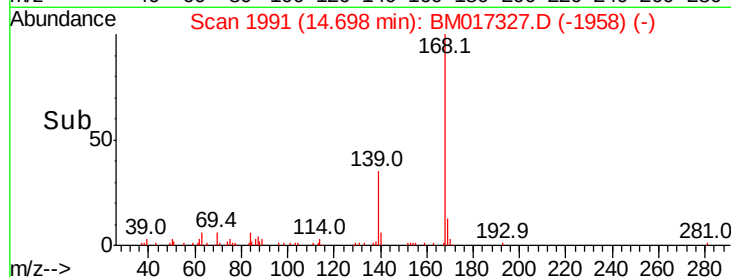
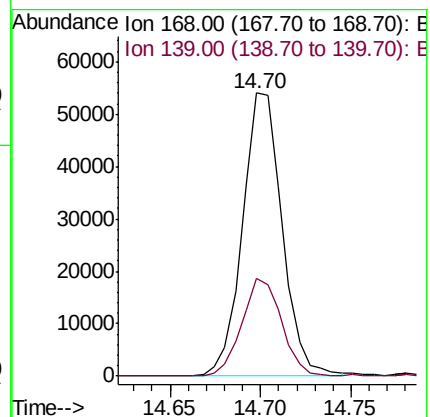
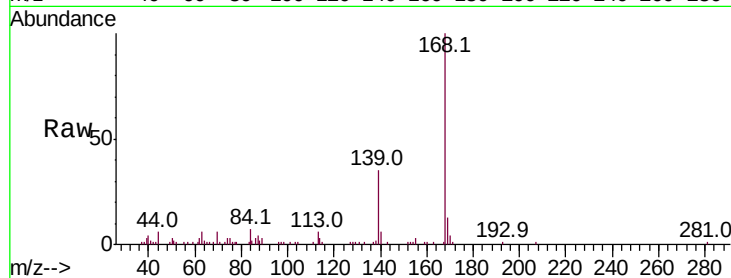
ClientSampleId :

Tot Ion:168 Resp: 82163

Ion Ratio Lower Upper

168 100

139 34.6 30.1 45.1



#70

Phenanthrene

Concen: 2.230 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

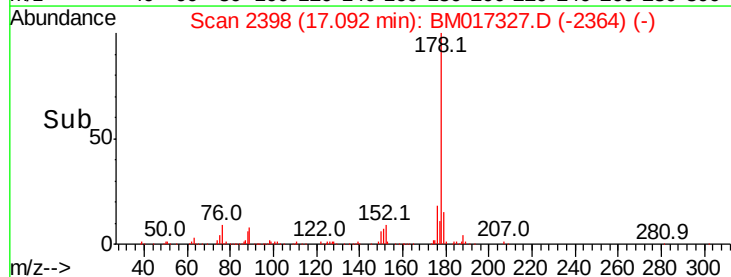
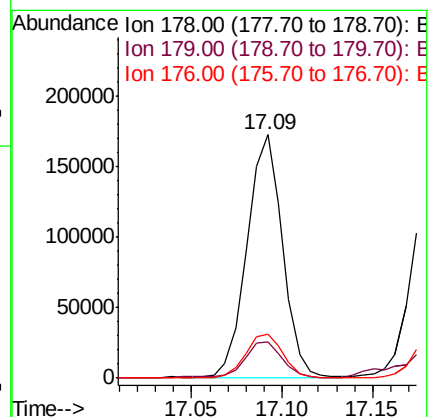
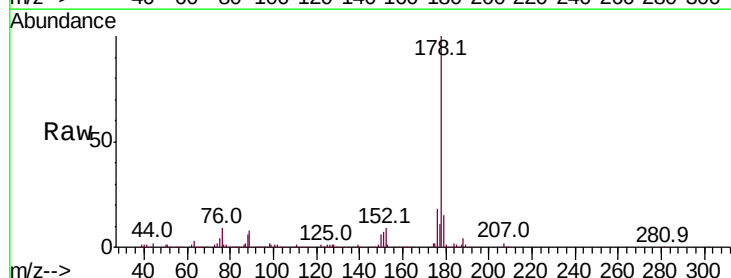
Tgt Ion:178 Resp: 234224

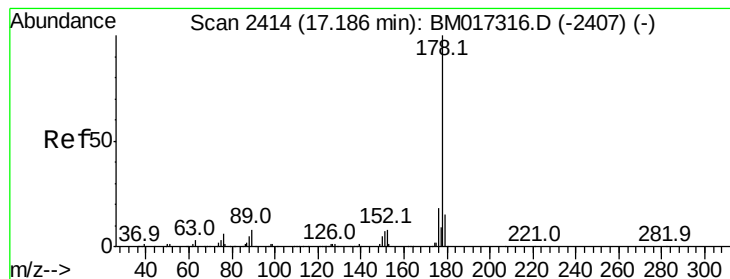
Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

176 17.9 14.9 22.3





#72

Anthracene

Concen: 1.814 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

Instrument :

BNA_M

ClientSampleId :

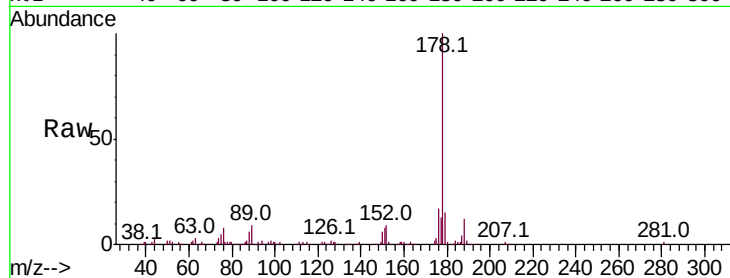
Tot Ion:178 Resp: 193546

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

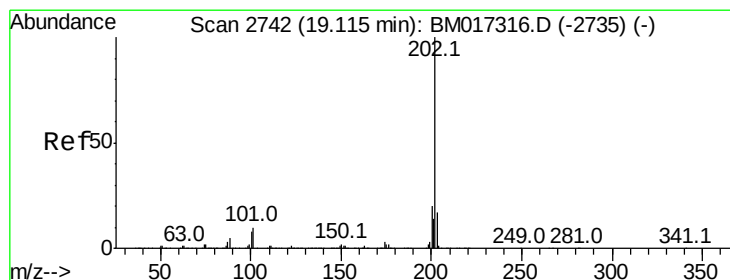
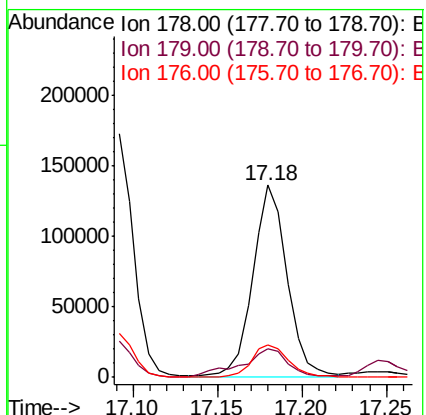
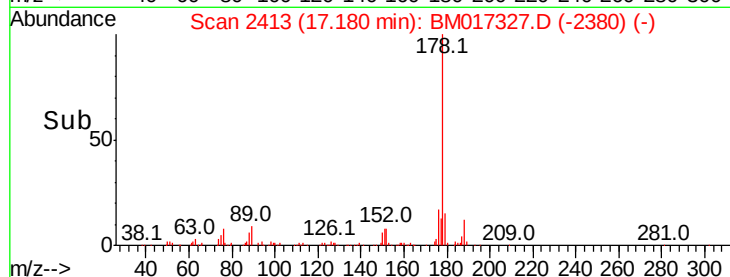
176 17.2 14.2 21.2



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



#77

Fluoranthene

Concen: 9.959 ng/ul

RT: 19.11 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

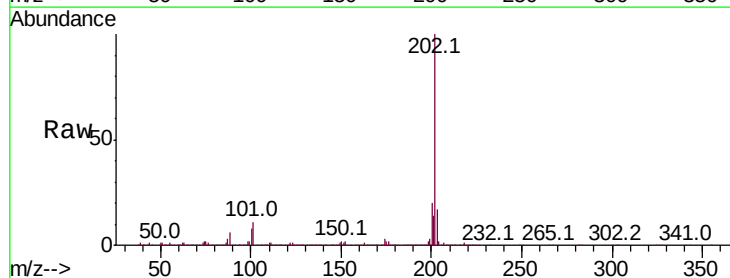
Tgt Ion:202 Resp: 1199222

Ion Ratio Lower Upper

202 100

101 11.4 8.2 12.4

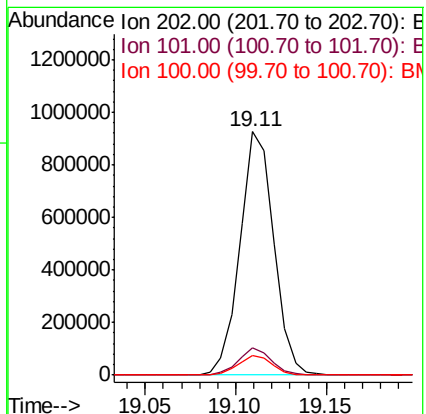
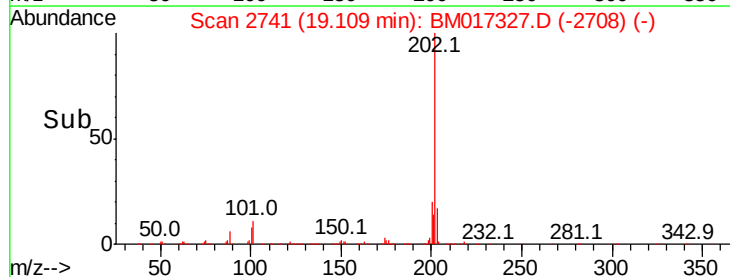
100 8.0 6.3 9.5

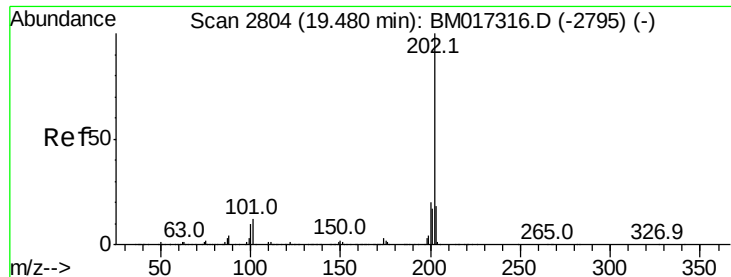


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

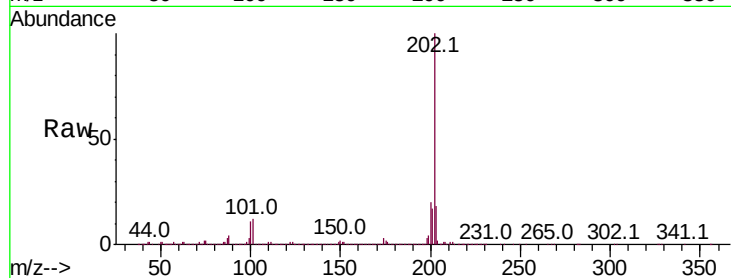




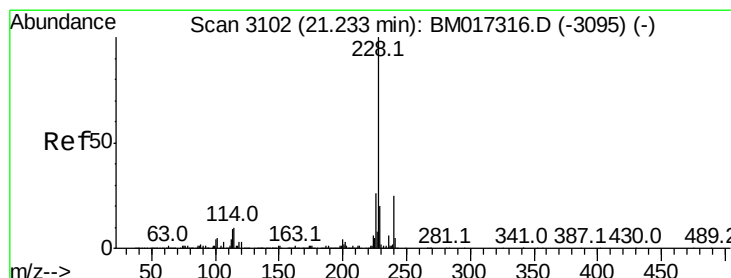
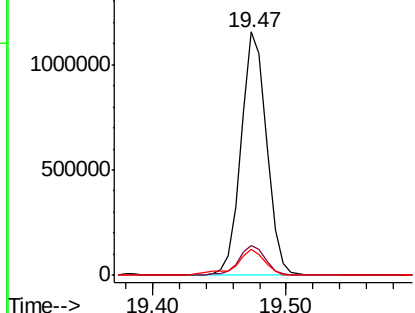
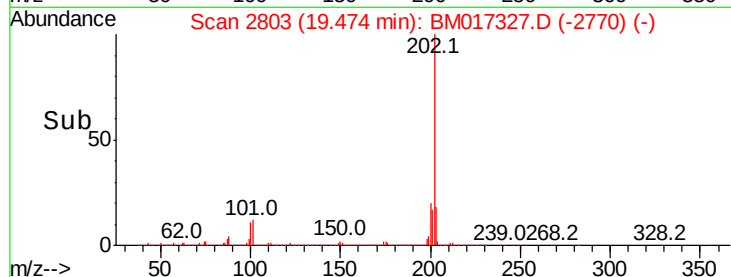
#80
 Pvrene
 Concen: 11.800 ng/ul
 RT: 19.47 min Scan# 2803
 Delta R.T. -0.01 min
 Lab File: BM017327.D
 Acq: 24 Oct 2018 21:06

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 1522969
 Ion Ratio Lower Upper
 202 100
 101 12.5 9.5 14.3
 100 10.7 8.1 12.1

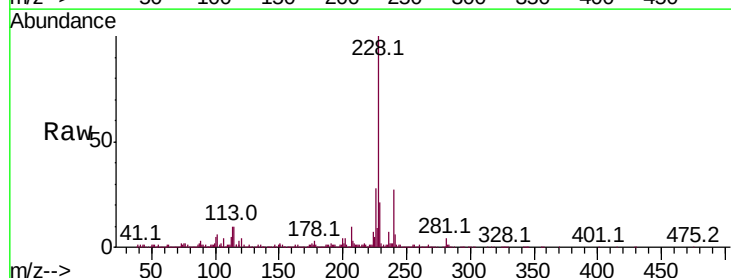


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

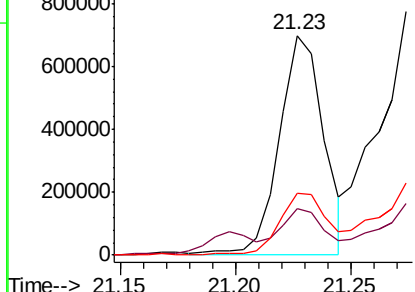
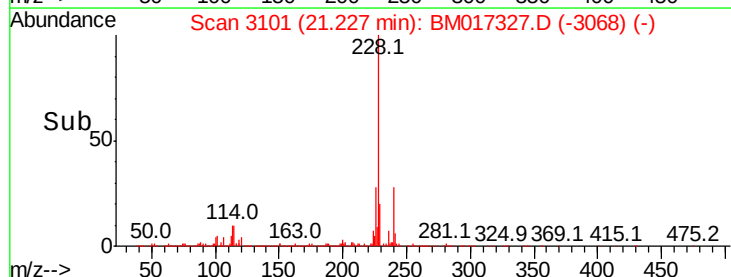


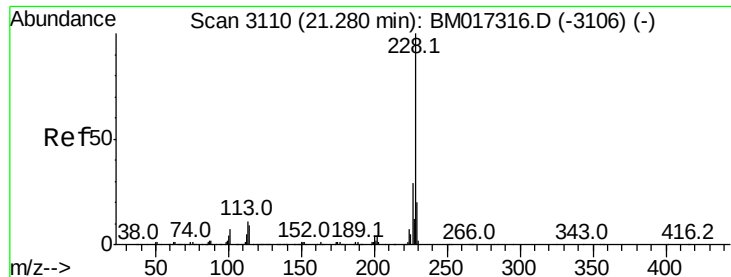
#83
 Benzo(a)anthracene
 Concen: 6.772 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. -0.01 min
 Lab File: BM017327.D
 Acq: 24 Oct 2018 21:06

Tgt Ion:228 Resp: 921089
 Ion Ratio Lower Upper
 228 100
 229 21.0 15.6 23.4
 226 28.2 20.8 31.2



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





#85

Chrysene

Concen: 12.288 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

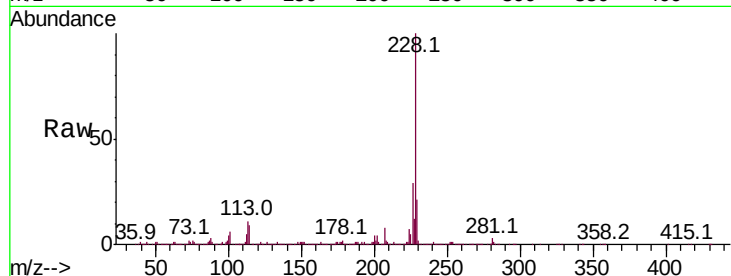
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1589327

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	21.1	15.6	23.4

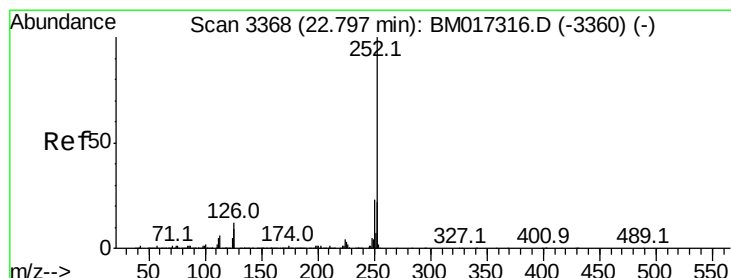
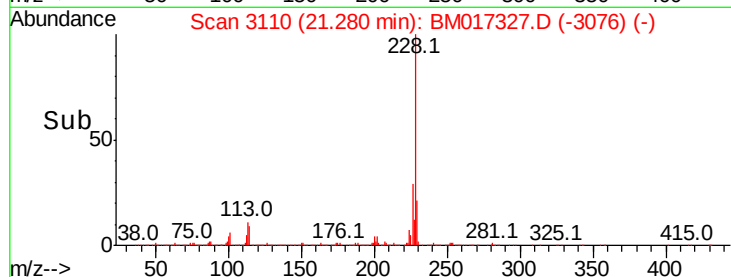
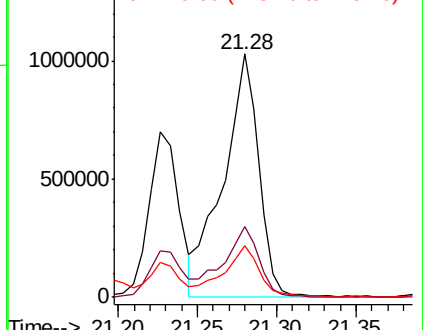


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 23.095 ng/ul

RT: 22.80 min Scan# 3368

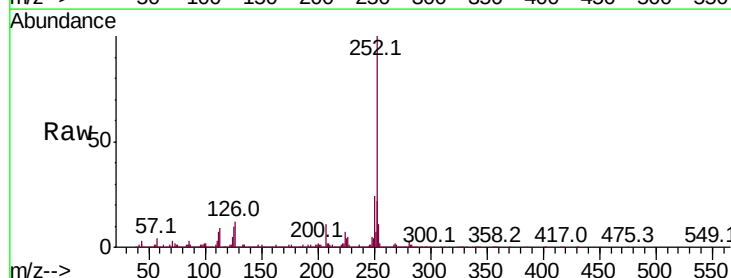
Delta R.T. 0.00 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

Tgt Ion:252 Resp: 3345632

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	10.3	7.2	10.8

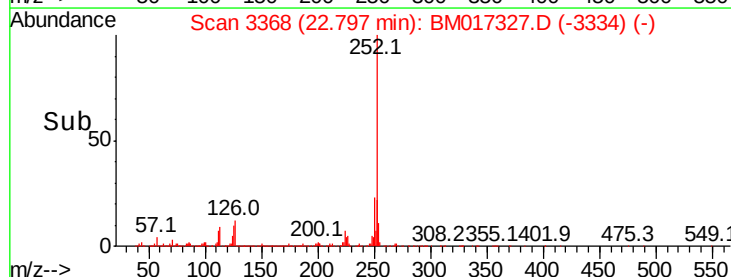
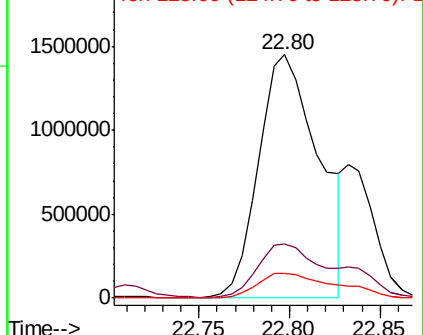


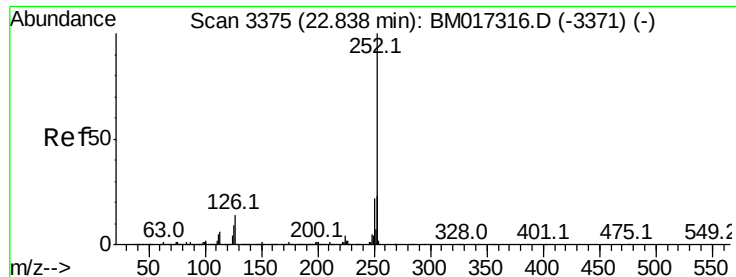
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 23.644 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.04 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

Instrument :

BNA_M

ClientSampleId :

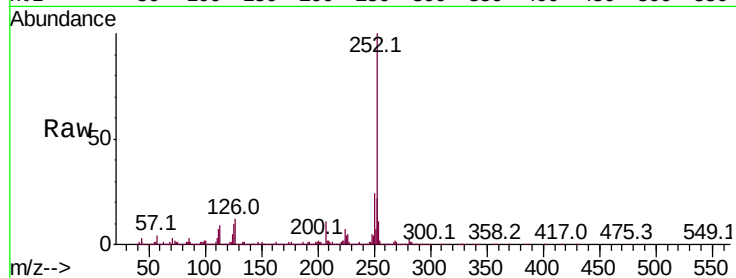
Tot Ion:252 Resp: 3345632

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

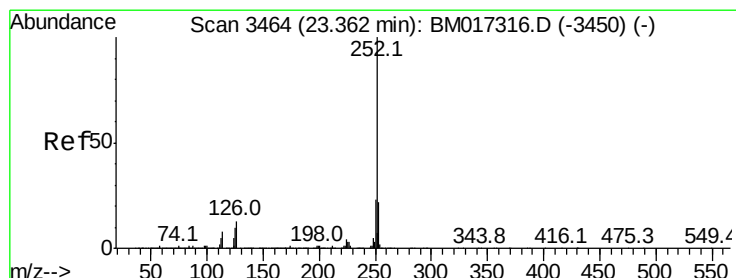
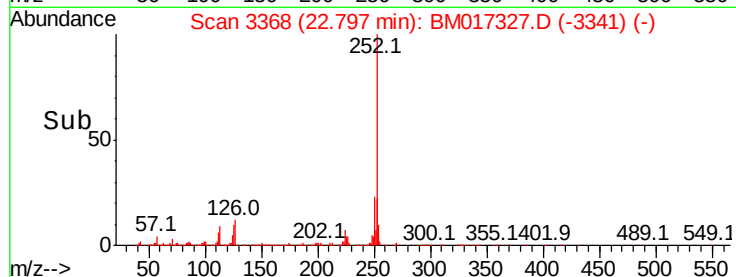
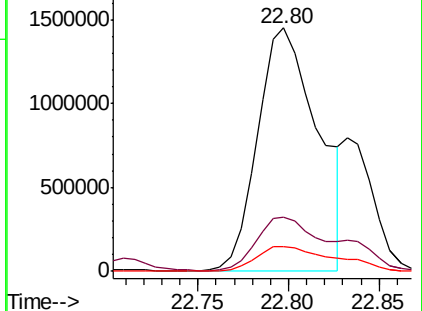
125 10.3 7.8 11.6



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



#91

Benzo(a)pyrene

Concen: 6.897 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

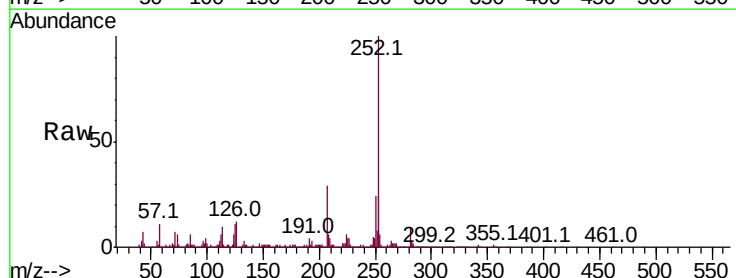
Tgt Ion:252 Resp: 976031

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

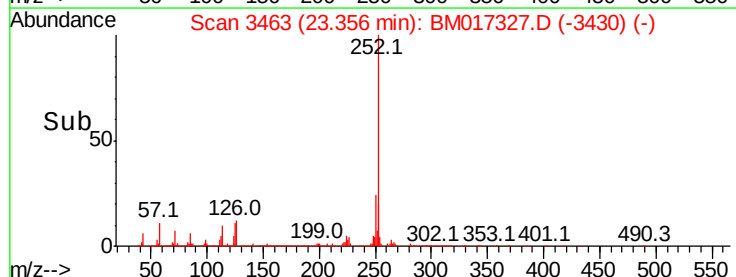
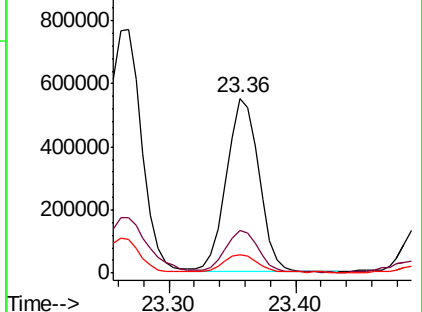
125 10.9 8.3 12.5

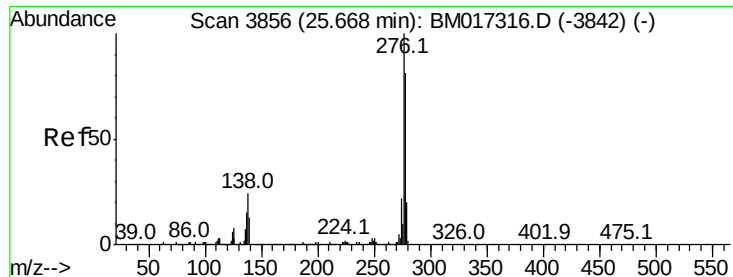


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



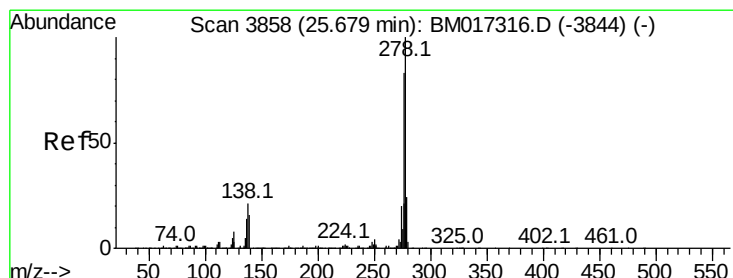
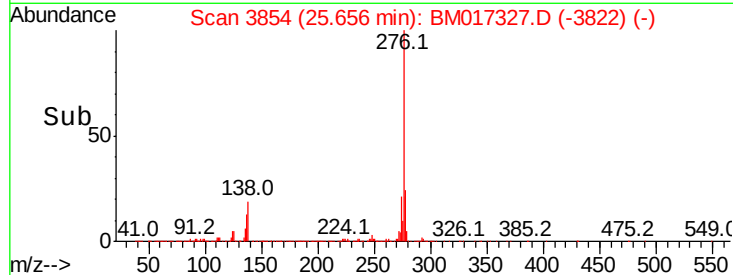
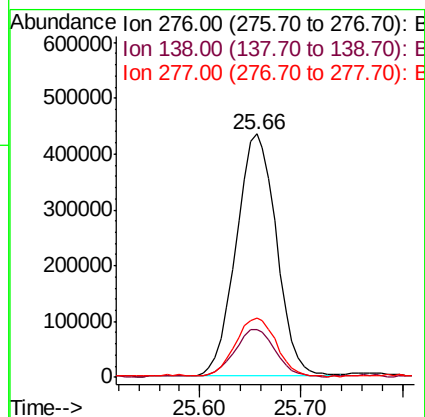
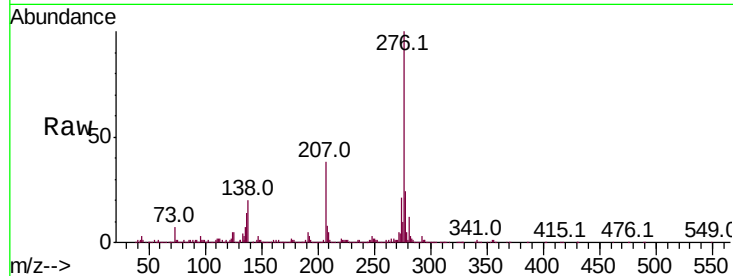


#92

Indeno(1,2,3-cd)pyrene
Concen: 6.938 ng/ul
RT: 25.66 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM017327.D
Acq: 24 Oct 2018 21:06

Instrument :
BNA_M
ClientSampled :

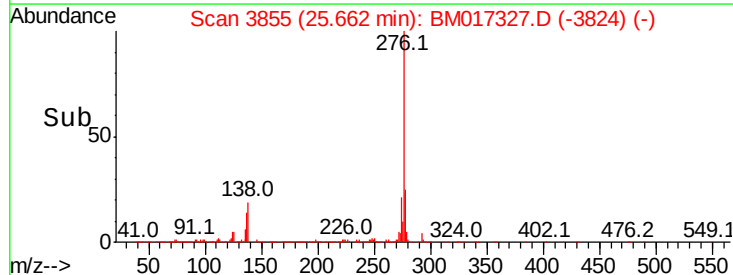
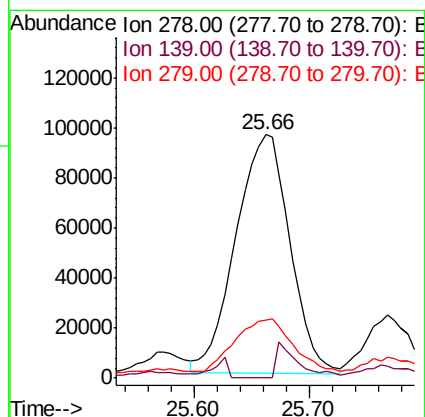
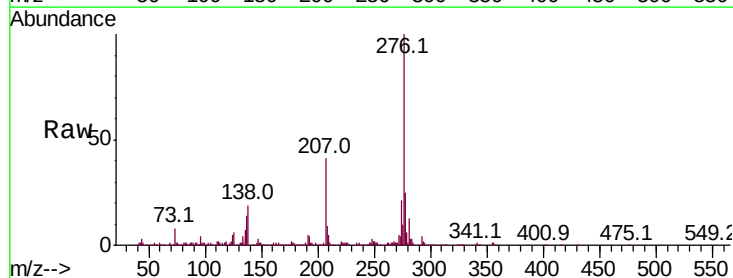
Tot Ion:276 Resp: 1194708
Ion Ratio Lower Upper
276 100
138 19.5 18.1 27.1
277 24.2 19.6 29.4

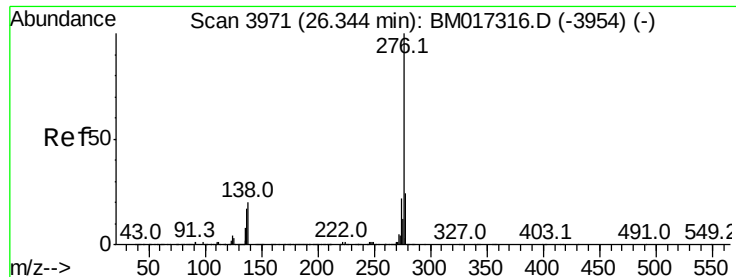


#93

Dibenzo(a,h)anthracene
Concen: 2.169 ng/ul
RT: 25.66 min Scan# 3855
Delta R.T. -0.02 min
Lab File: BM017327.D
Acq: 24 Oct 2018 21:06

Tgt Ion:278 Resp: 311906
Ion Ratio Lower Upper
278 100
139 0.0 12.7 19.1#
279 23.8 19.0 28.4





#94

Benzo(a,h,i)perylene

Concen: 6.719 ng/ul

RT: 26.33 min Scan# 3969

Delta R.T. -0.01 min

Lab File: BM017327.D

Acq: 24 Oct 2018 21:06

Instrument :

BNA_M

ClientSampleId :

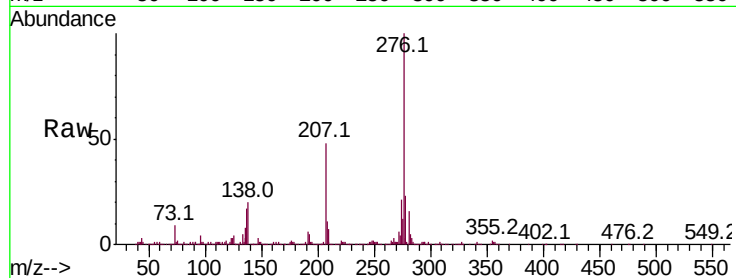
Tot Ion:276 Resp: 982836

Ion Ratio Lower Upper

276 100

138 19.9 16.6 25.0

277 23.4 18.9 28.3



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

