

Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF1

Quant Time: Oct 25 08:25:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 25 02:39:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	316546	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1427141	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	844432	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1951606	20.00	ng/ul	0.00
78) Chrysene-d12	21.26	240	2196797	20.00	ng/ul	0.01
86) Perylene-d12	23.47	264	2029961	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	18775	2.73	ng/uL	0.00
5) Phenol-d5	6.83	99	463195	16.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	283601	16.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	393625	17.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	323285	14.14	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	200976	18.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	232035	18.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	399122	17.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	352505	18.58	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1231246	17.00	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1568445	17.84	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	173350	12.81	ng/ul	0.00
58) Fluorene-d10	15.29	176	1083518	17.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	190429	14.00	ng/ul	0.00
71) Anthracene-d10	17.14	188	1712617	17.73	ng/ul	0.00
79) Pyrene-d10	19.45	212	1942952	19.09	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	1954462	18.23	ng/ul	0.02

Target Compounds

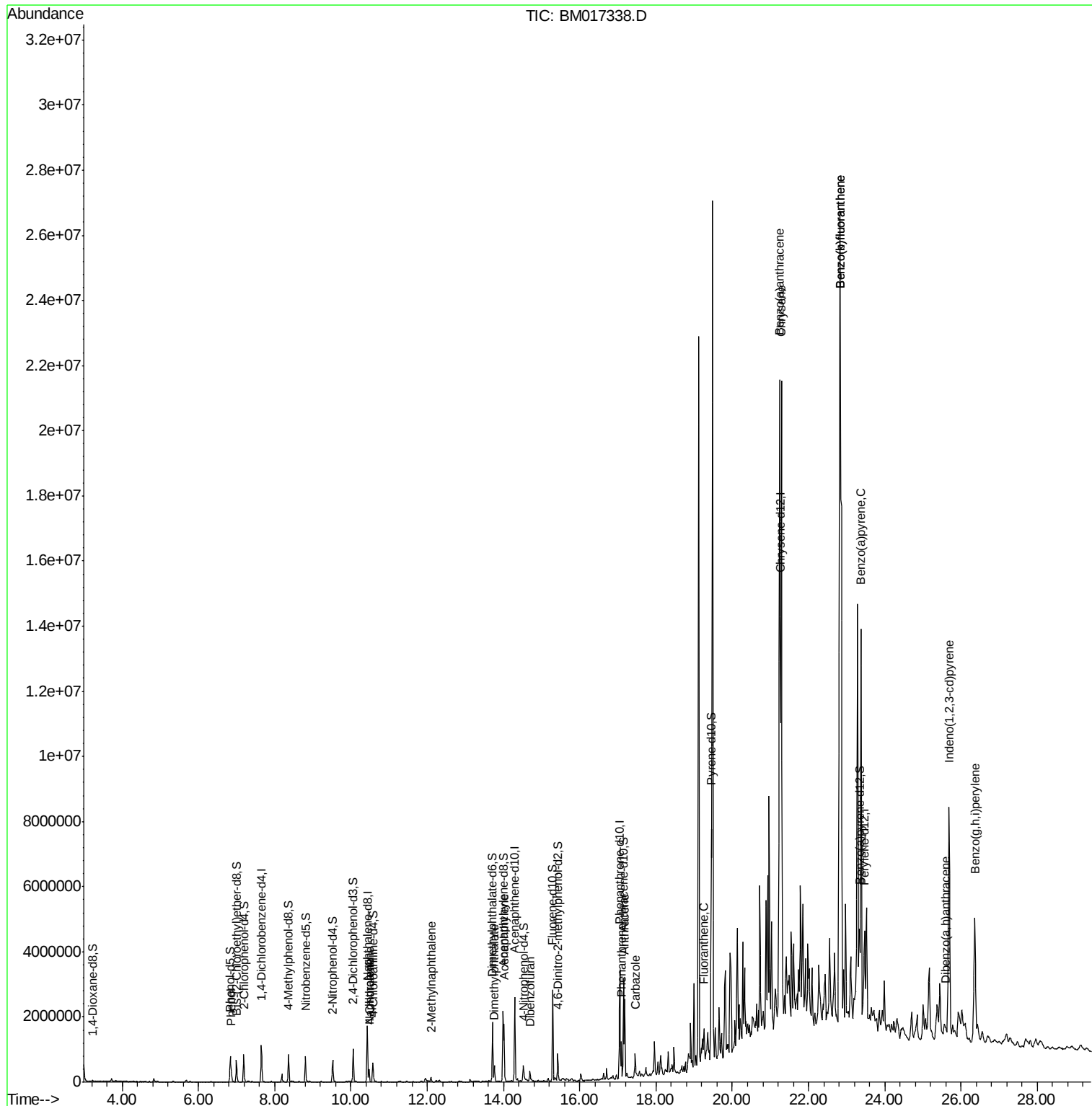
					Qvalue	
6) Phenol	6.86	94	156388	5.447	ng/ul	95
28) Naphthalene	10.47	128	287939	3.857	ng/ul	99
30) 4-Chloroaniline	10.47	127	37438	1.931	ng/ul#	6
34) 2-Methylnaphthalene	12.10	142	69164	1.261	ng/ul	100
45) Dimethylphthalate	13.76	163	299528	4.269	ng/ul	99
48) Acenaphthylene	14.02	152	1250213	15.150	ng/ul	99
54) Dibenzofuran	14.70	168	189106	2.259	ng/ul	97
70) Phenanthrene	17.09	178	687571	6.135	ng/ul	98
72) Anthracene	17.18	178	1479036	12.994	ng/ul	99
75) Carbazole	17.46	167	404710	4.066	ng/ul	99
77) Fluoranthene	19.27	202	445811	3.470	ng/ul	99
83) Benzo(a)anthracene	21.24	228	10764585	80.074	ng/ul#	92
85) Chrysene	21.29	228	11947277	93.461	ng/ul	95
88) Benzo(b)fluoranthene	22.83	252	22684286	190.905	ng/ul#	95
89) Benzo(k)fluoranthene	22.83	252	22684286	195.438	ng/ul#	96
91) Benzo(a)pyrene	23.38	252	8368964	72.094	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.69	276	6329832	44.815	ng/ul	97
93) Dibenzo(a,h)anthracene	25.60	278	180901	1.534	ng/ul	93
94) Benzo(g,h,i)perylene	26.36	276	4498915	37.494	ng/ul	99

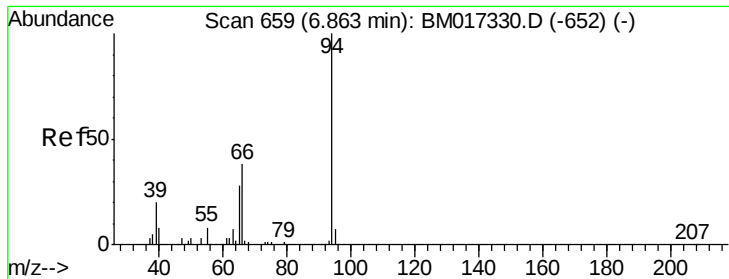
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.447 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

Instrument :

BNA_M

ClientSampled :

C0AF1

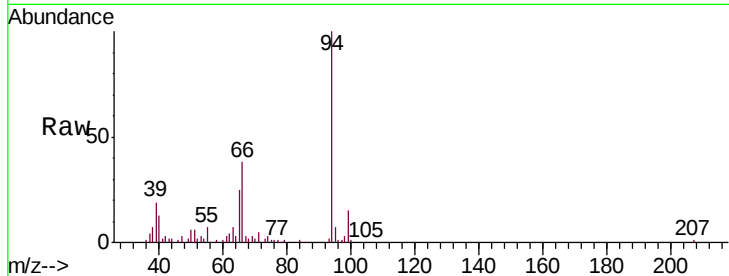
Tgt Ion: 94 Resp: 156388

Ion Ratio Lower Upper

94 100

65 25.4 24.0 36.0

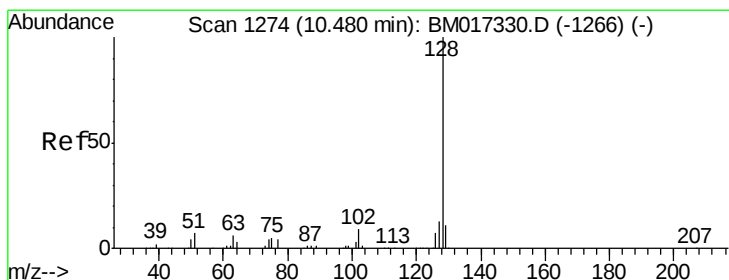
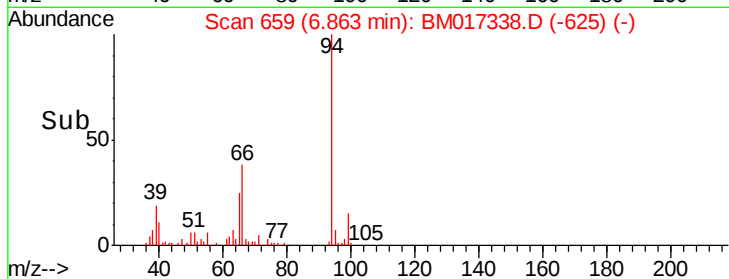
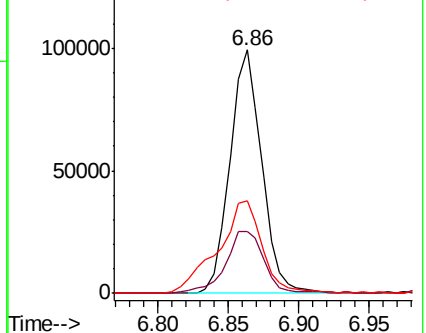
66 37.9 31.1 46.7



Abundance Ion 94.00 (93.70 to 94.70): BM017338.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM017338.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM017338.D (-652) (-)



#28

Naphthalene

Concen: 3.857 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

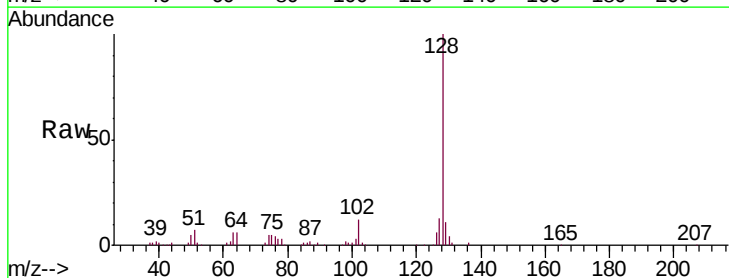
Tgt Ion: 128 Resp: 287939

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

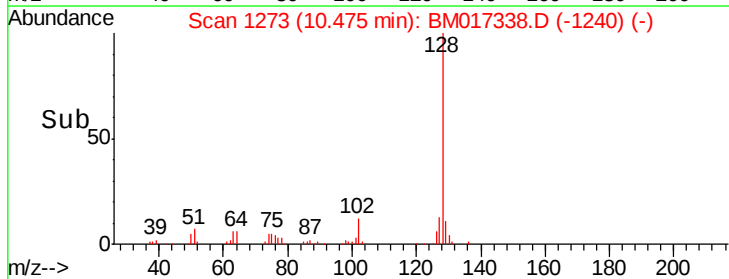
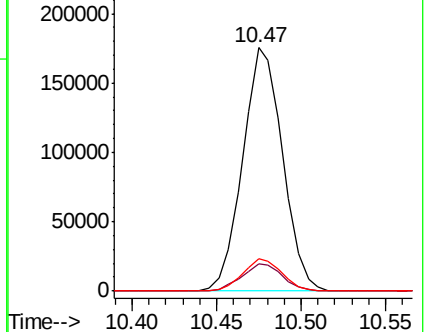
127 13.2 10.3 15.5

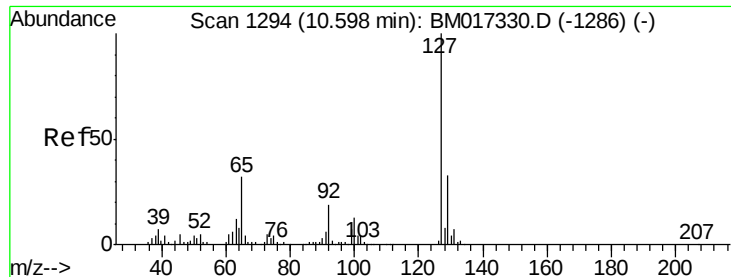


Abundance Ion 128.00 (127.70 to 128.70): BM017338.D (-1240) (-)

Ion 129.00 (128.70 to 129.70): BM017338.D (-1240) (-)

Ion 127.00 (126.70 to 127.70): BM017338.D (-1240) (-)

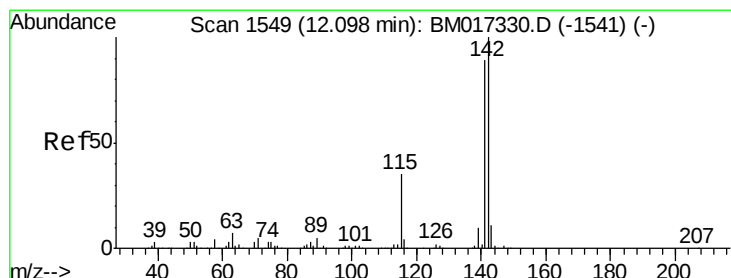
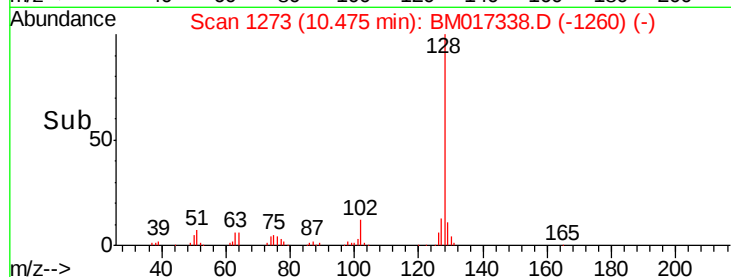
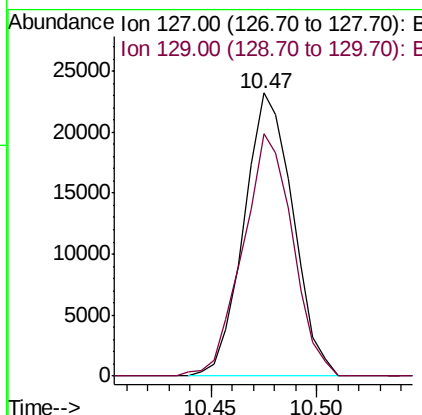
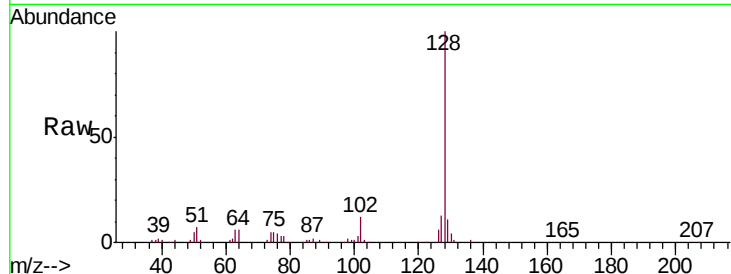




#30
4-Chloroaniline
Concen: 1.931 ng/ul
RT: 10.47 min Scan# 1273
Delta R.T. -0.12 min
Lab File: BM017338.D
Acq: 25 Oct 2018 03:45

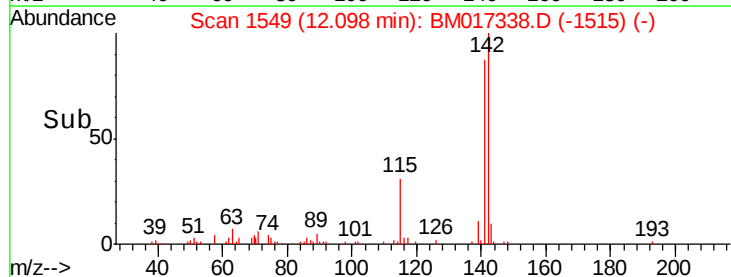
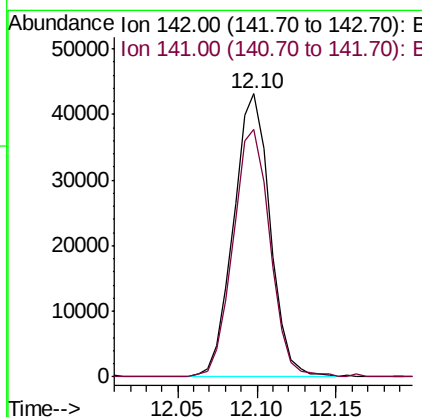
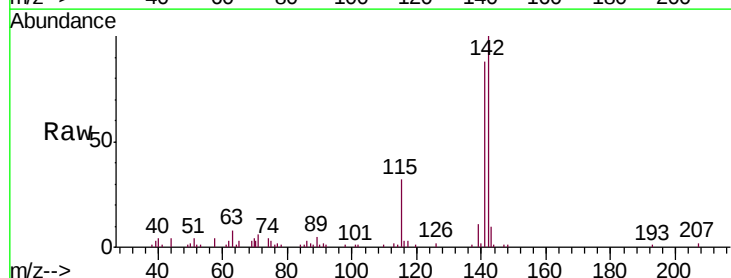
Instrument :
BNA_M
ClientSampleId :
C0AF1

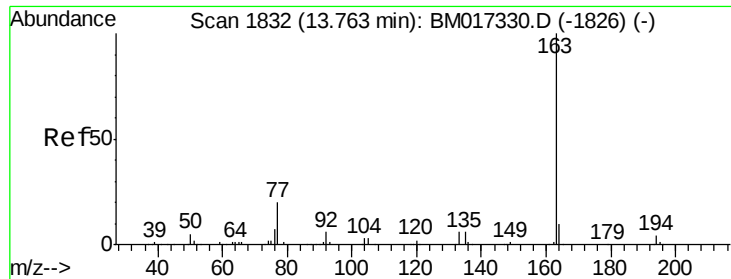
Tgt Ion:127 Resp: 37438
Ion Ratio Lower Upper
127 100
129 85.7 26.2 39.4#



#34
2-Methylnaphthalene
Concen: 1.261 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM017338.D
Acq: 25 Oct 2018 03:45

Tgt Ion:142 Resp: 69164
Ion Ratio Lower Upper
142 100
141 87.6 70.4 105.6





#45

Dimethylphthalate

Concen: 4.269 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

Instrument :

BNA_M

ClientSampleId :

C0AF1

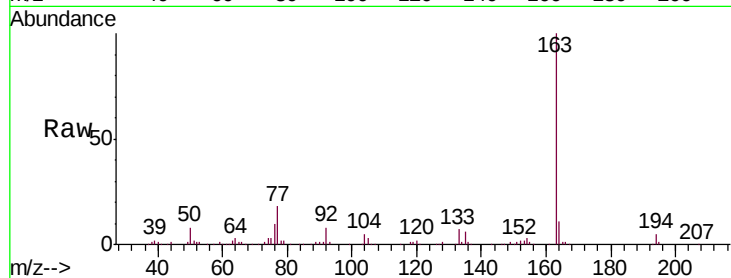
Tgt Ion:163 Resp: 299528

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

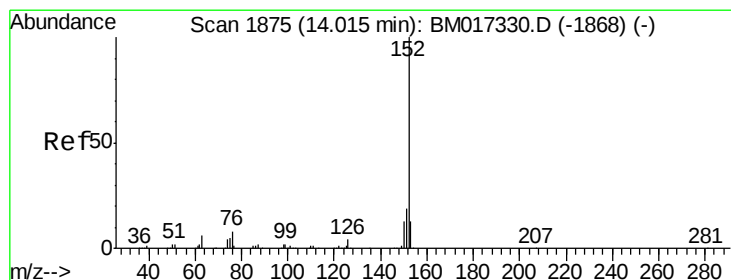
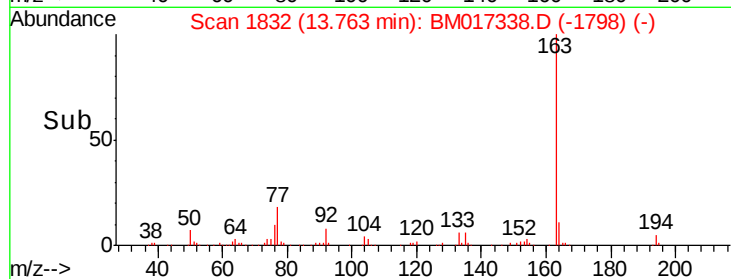
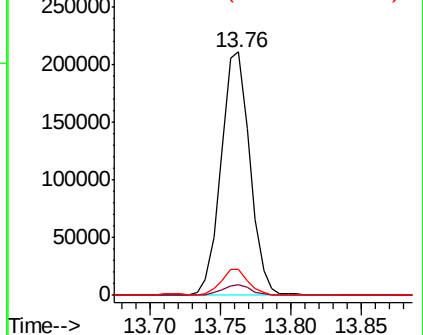
164 10.5 8.1 12.1



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: 15.150 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

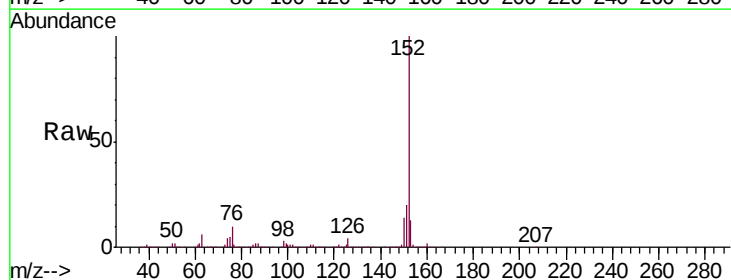
Tgt Ion:152 Resp: 1250213

Ion Ratio Lower Upper

152 100

151 19.7 15.3 22.9

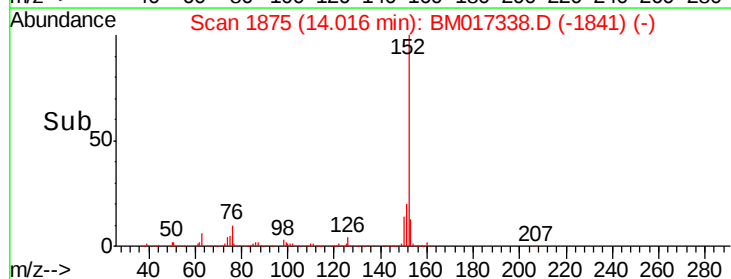
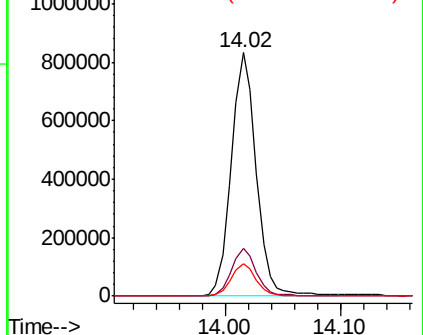
153 13.1 10.2 15.4

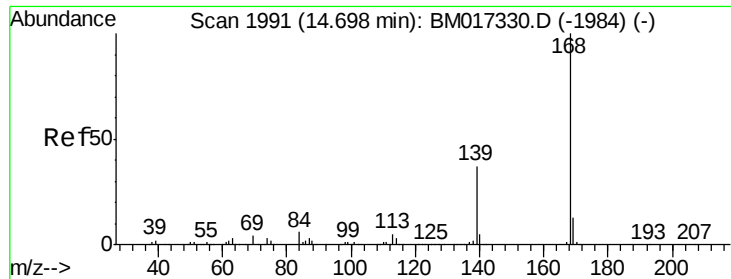


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#54

Dibenzo(f,h)zofuran

Concen: 2.259 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

Instrument :

BNA_M

ClientSampleId :

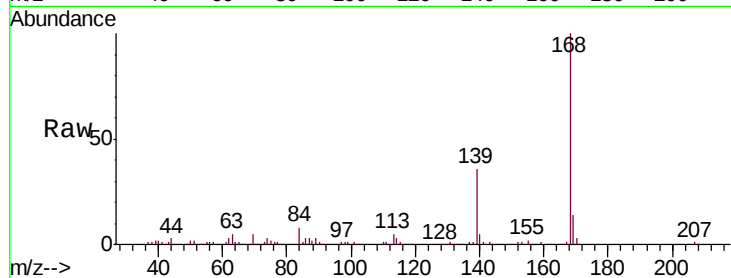
C0AF1

Tgt Ion:168 Resp: 189106

Ion Ratio Lower Upper

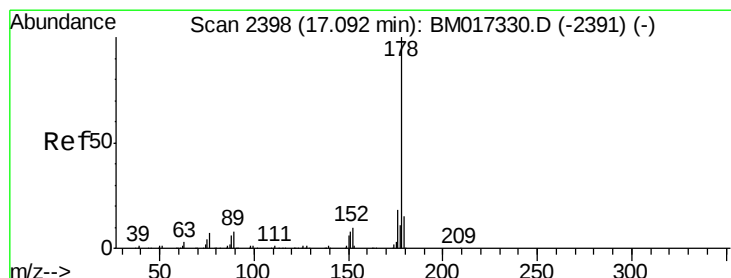
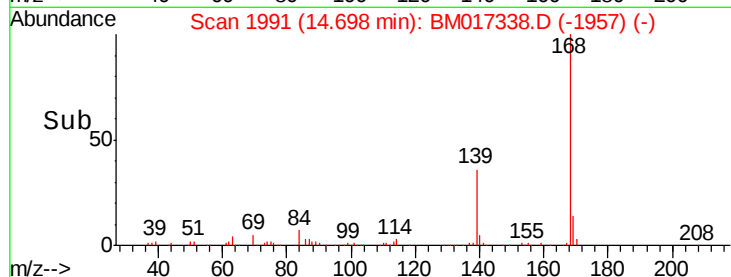
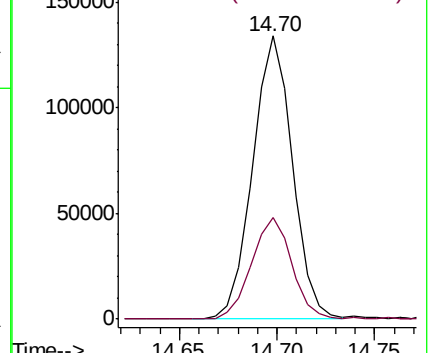
168 100

139 35.7 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#70

Phenanthrene

Concen: 6.135 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

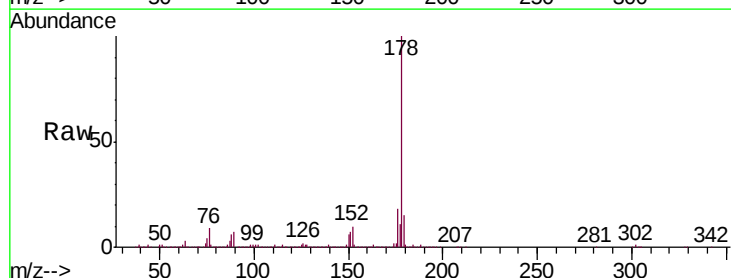
Tgt Ion:178 Resp: 687571

Ion Ratio Lower Upper

178 100

179 14.5 12.2 18.2

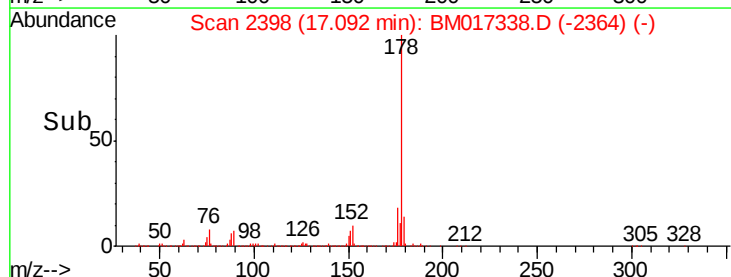
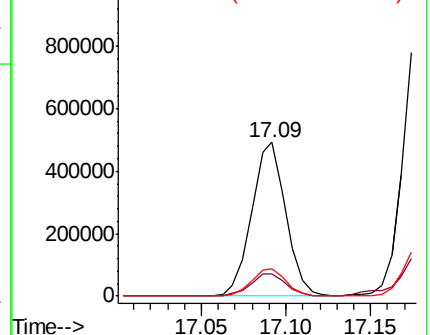
176 17.7 14.9 22.3

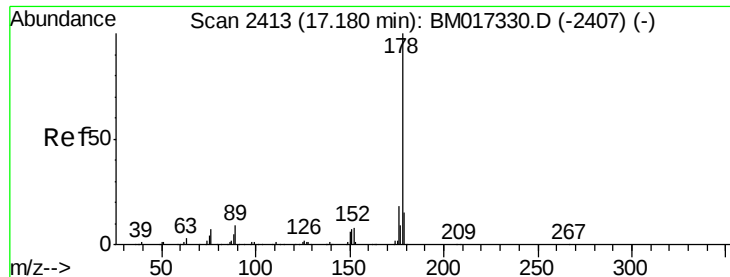


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

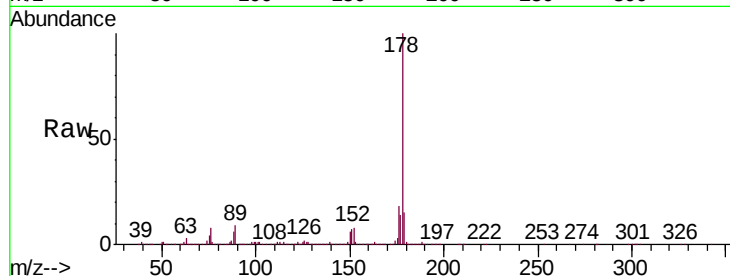




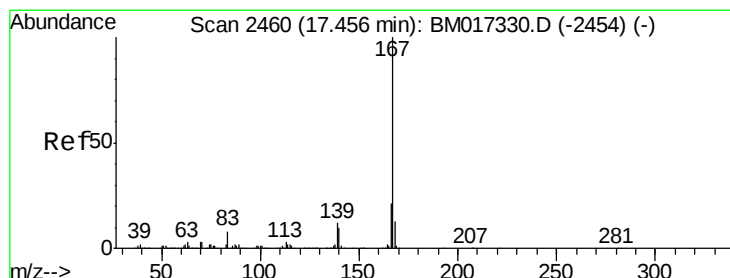
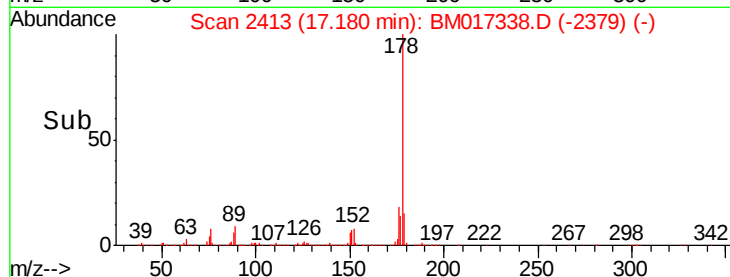
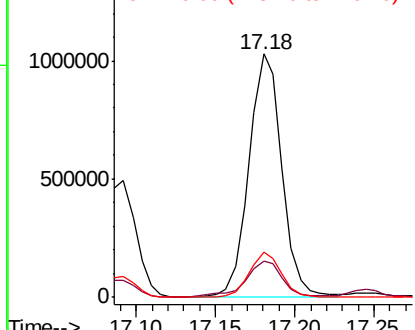
#72
 Anthracene
 Concen: 12.994 ng/ul
 RT: 17.18 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM017338.D
 Acq: 25 Oct 2018 03:45

Instrument :
 BNA_M
 ClientSampleId :
 C0AF1

Tgt Ion:178 Resp: 1479036
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.2 18.2
 176 18.3 14.2 21.2

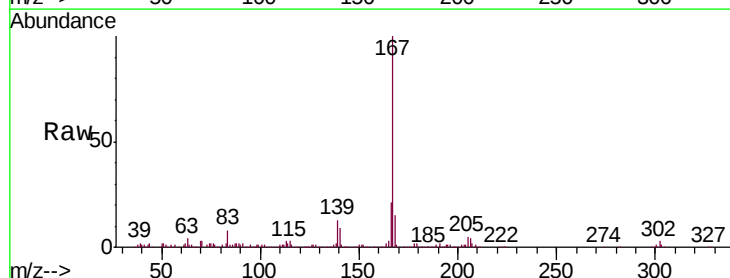


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

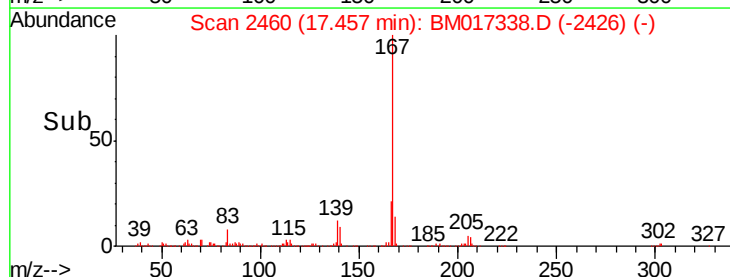
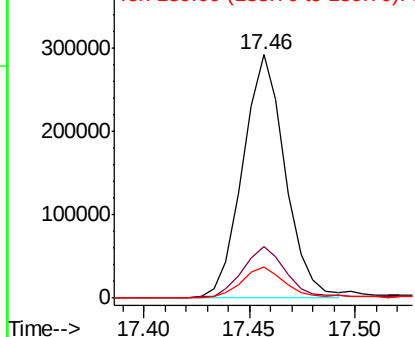


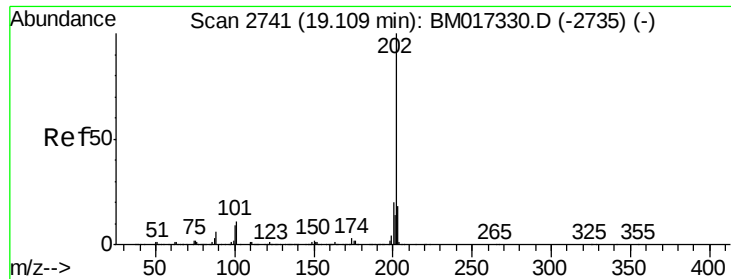
#75
 Carbazole
 Concen: 4.066 ng/ul
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM017338.D
 Acq: 25 Oct 2018 03:45

Tgt Ion:167 Resp: 404710
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.5 26.3
 139 12.7 10.0 15.0



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

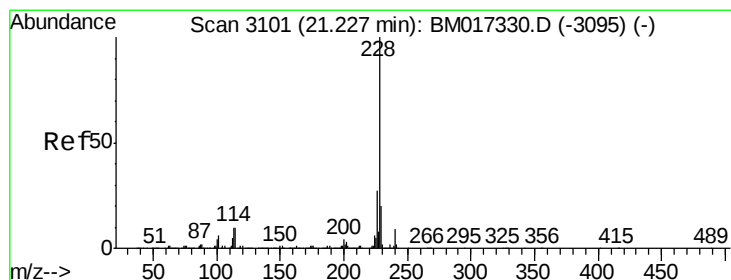
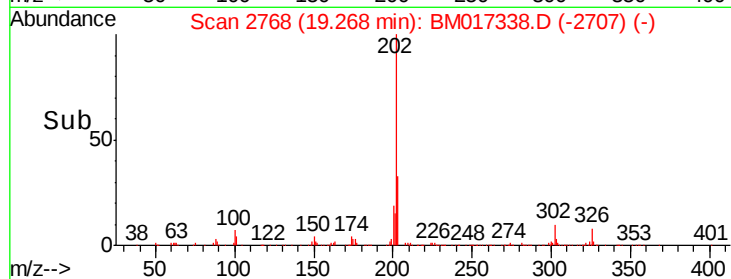
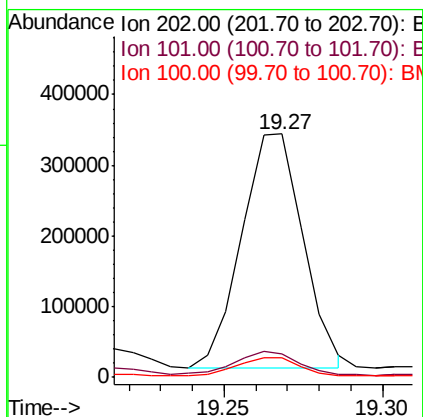
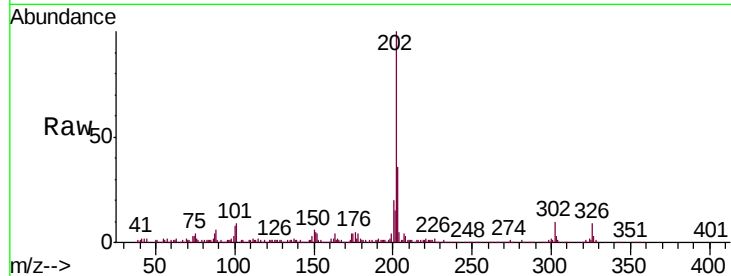




#77
 Fluoranthene
 Concen: 3.470 ng/ul
 RT: 19.27 min Scan# 2768
 Delta R.T. 0.16 min
 Lab File: BM017338.D
 Acq: 25 Oct 2018 03:45

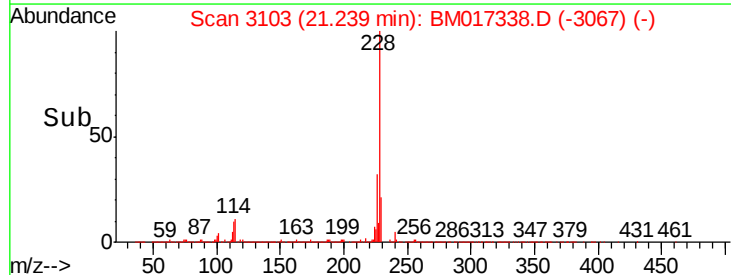
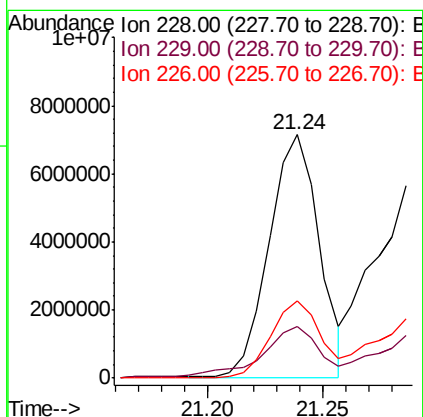
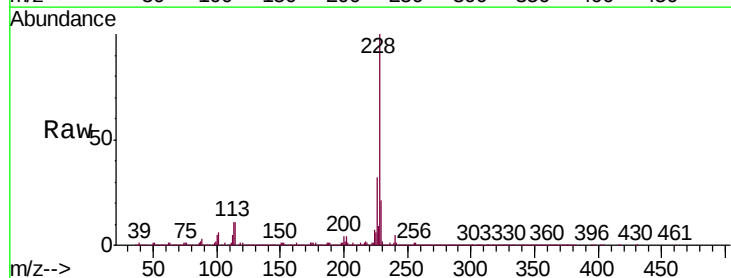
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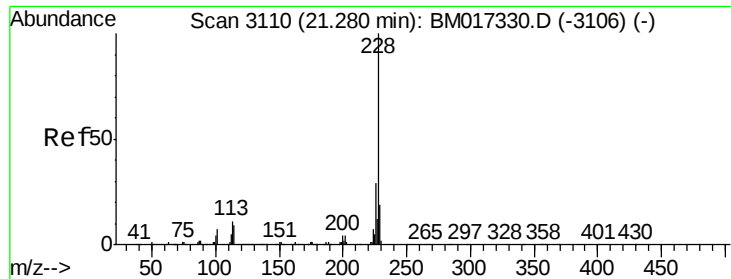
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.2	12.4
100	8.1	6.3	9.5



#83
 Benzo(a)anthracene
 Concen: 80.074 ng/ul
 RT: 21.24 min Scan# 3103
 Delta R.T. 0.01 min
 Lab File: BM017338.D
 Acq: 25 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.6	23.4
226	31.7	20.8	31.2#





#85

Chrysene

Concen: 93.461 ng/ul

RT: 21.29 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM017338.D

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Instrument :

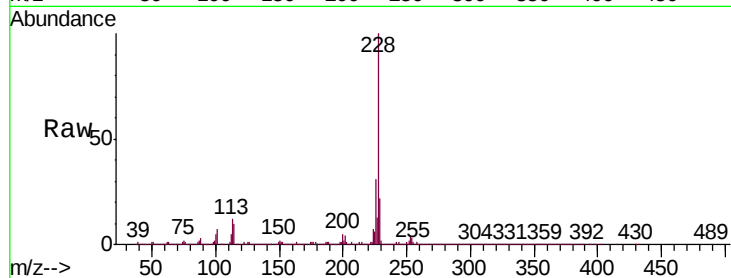
BNA_M

ClientSampleId :

C0AF1

Tgt Ion:228 Resp:11947277

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.3	34.9
229	22.4	15.6	23.4

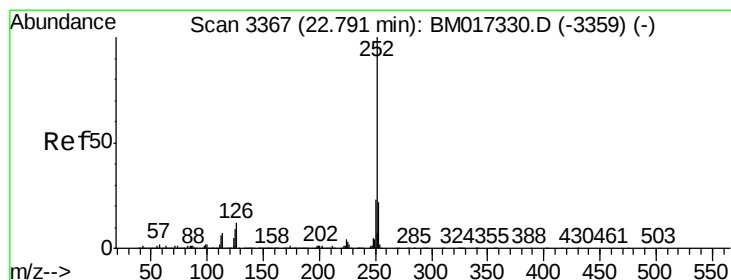
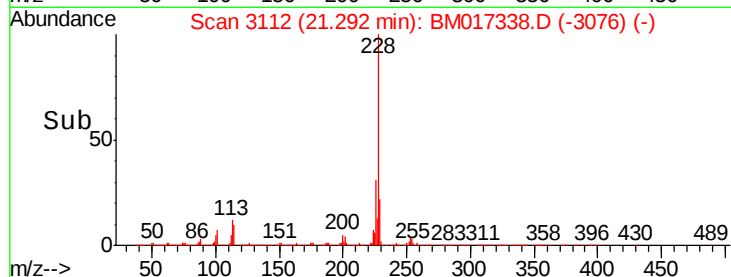
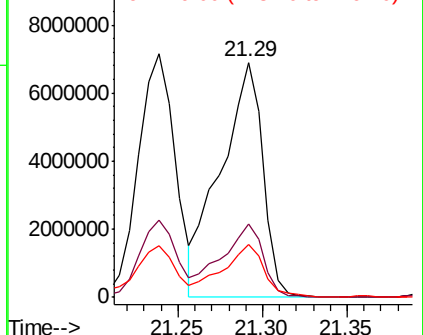


Abundance

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: 190.905 ng/ul

RT: 22.83 min Scan# 3373

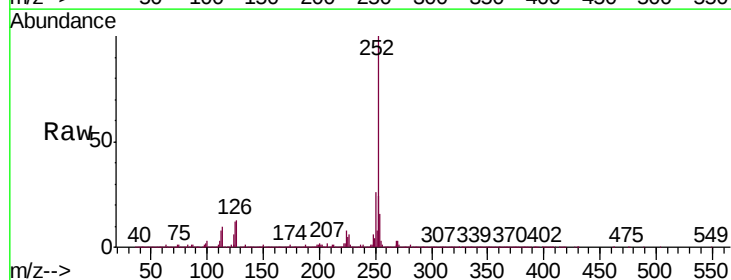
Delta R.T. 0.04 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

Tgt Ion:252 Resp:22684286

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	11.9	7.2	10.8

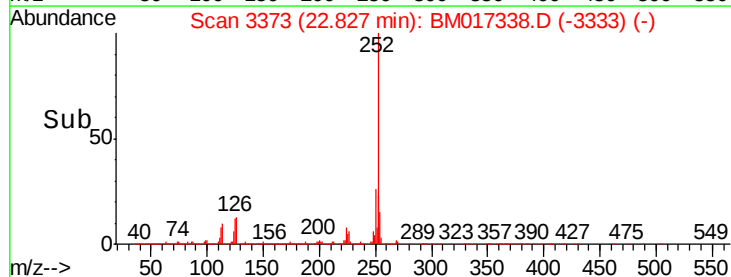
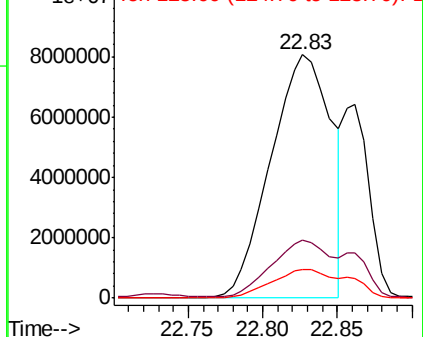


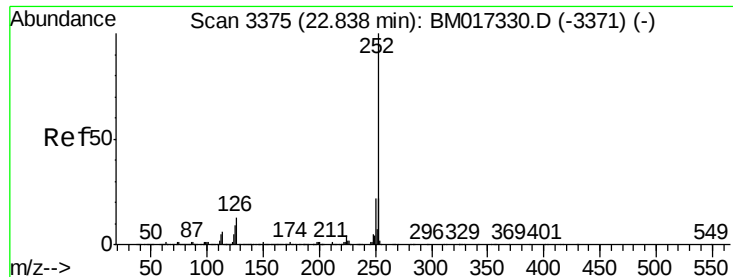
Abundance

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: 195.438 ng/u1

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

Instrument :

BNA_M

ClientSampleId :

C0AF1

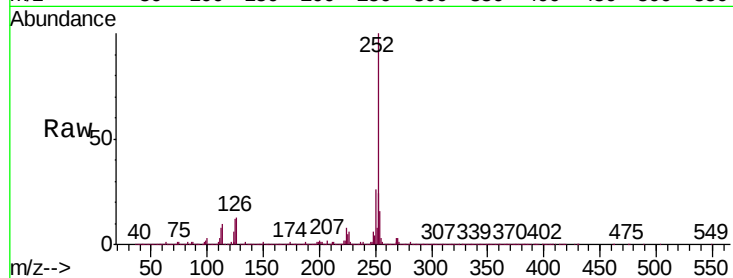
Tgt Ion:252 Resp:22684286

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

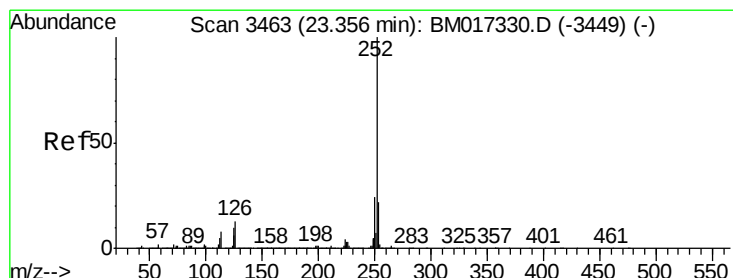
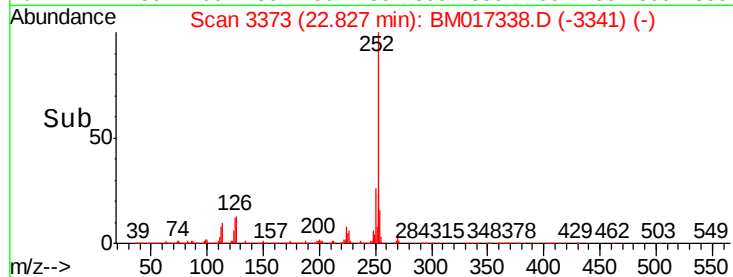
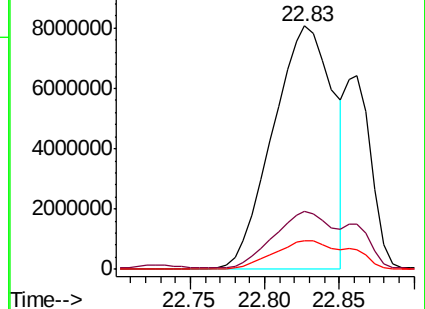
125 11.9 7.8 11.6#



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: 72.094 ng/u1

RT: 23.38 min Scan# 3467

Delta R.T. 0.02 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

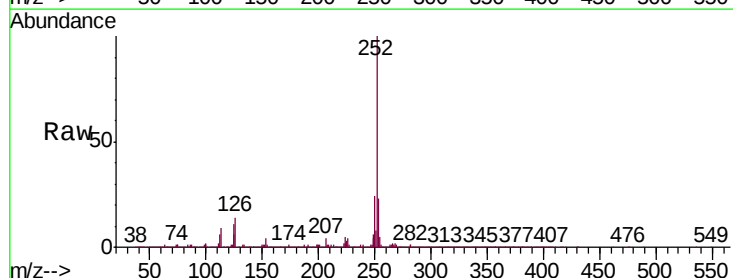
Tgt Ion:252 Resp: 8368964

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

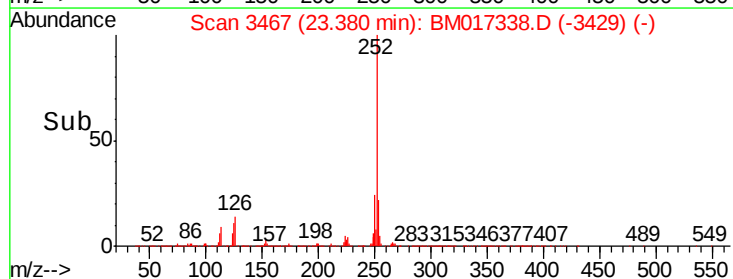
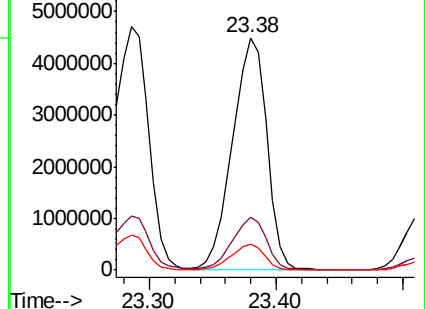
125 11.2 8.3 12.5

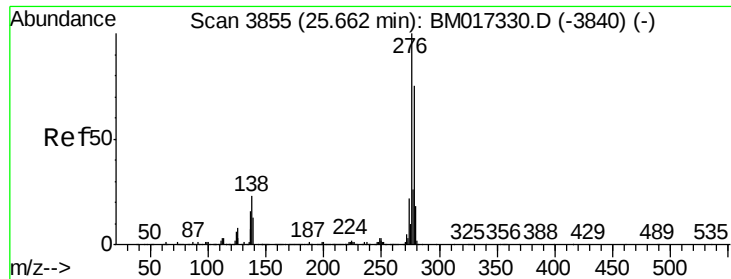


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



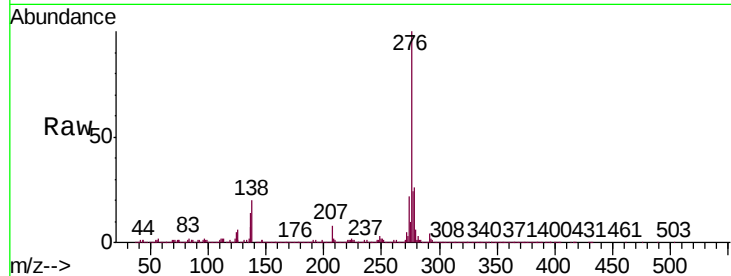


#92

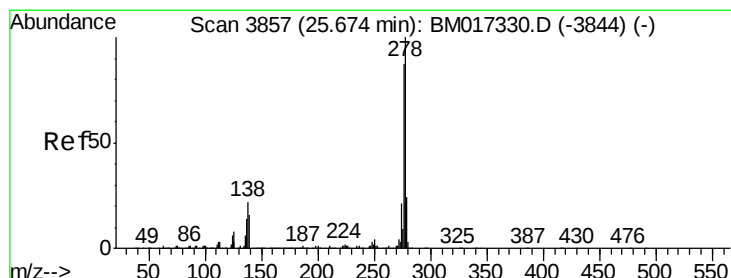
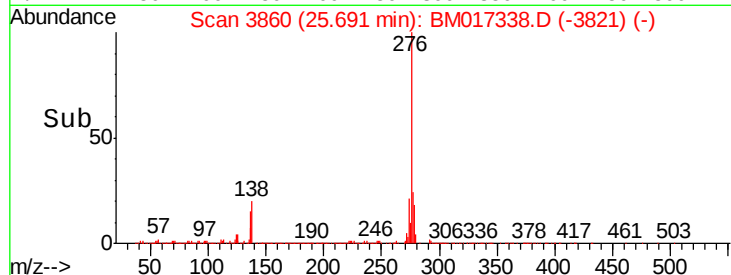
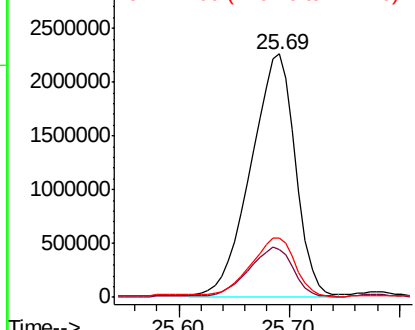
Indeno(1,2,3-cd)pyrene
Concen: 44.815 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.03 min
Lab File: BM017338.D
Acq: 25 Oct 2018 03:45

Instrument :
BNA_M
ClientSampleId :
C0AF1

Tgt Ion:276 Resp: 6329832
Ion Ratio Lower Upper
276 100
138 19.7 18.1 27.1
277 24.4 19.6 29.4



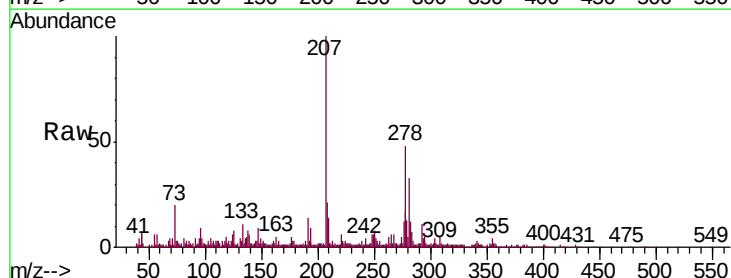
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



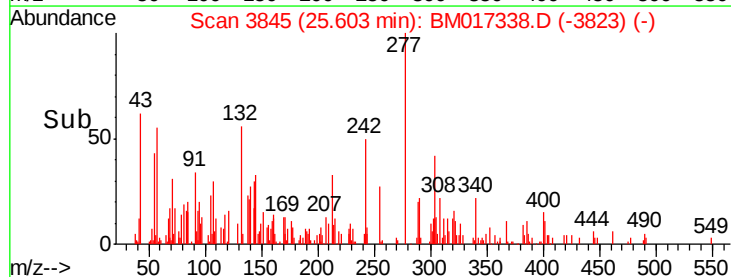
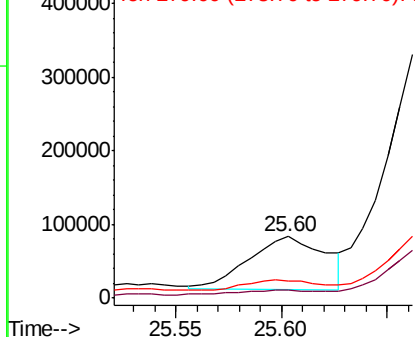
#93

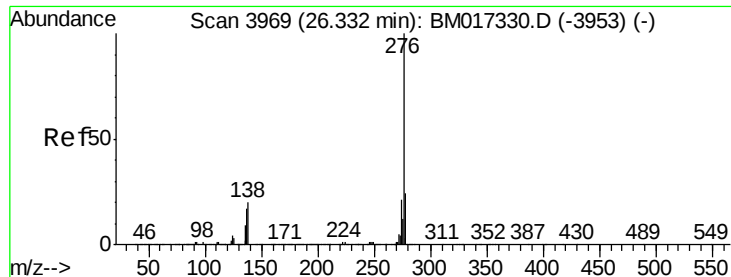
Dibenzo(a,h)anthracene
Concen: 1.534 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.07 min
Lab File: BM017338.D
Acq: 25 Oct 2018 03:45

Tgt Ion:278 Resp: 180901
Ion Ratio Lower Upper
278 100
139 13.2 12.7 19.1
279 27.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 37.494 ng/ul

RT: 26.36 min Scan# 3974

Delta R.T. 0.03 min

Lab File: BM017338.D

Acq: 25 Oct 2018 03:45

Instrument :

BNA_M

ClientSampleId :

C0AF1

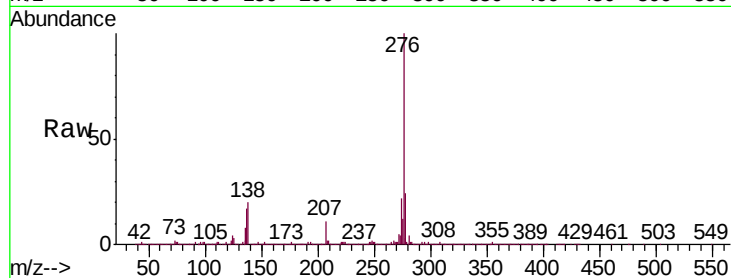
Tgt Ion:276 Resp: 4498915

Ion Ratio Lower Upper

276 100

138 20.2 16.6 25.0

277 23.9 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

