

Data File : BM017344.D
Acq On : 25 Oct 2018 15:11
Operator : MJ/SJ
Sample : J5598-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD8DL

Quant Time: Oct 26 01:16:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 26 01:13:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	303367	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1431198	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	871610	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2034188	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2358403	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2268618	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	4567	0.69	ng/uL	0.00
5) Phenol-d5	6.84	99	86387	3.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	55762	3.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	72040	3.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	68405	3.12	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	35065	3.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	38086	3.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	67501	2.90	ng/ul	0.01
29) 4-Chloroaniline-d4	10.58	131	53482	2.81	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	257832	3.45	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	304273	3.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	19568	1.40	ng/ul	0.02
58) Fluorene-d10	15.29	176	233204	3.59	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	28638	2.02	ng/ul	0.00
71) Anthracene-d10	17.14	188	373760	3.71	ng/ul	0.00
79) Pyrene-d10	19.44	212	435764	3.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	458099	3.82	ng/ul	0.00

Target Compounds

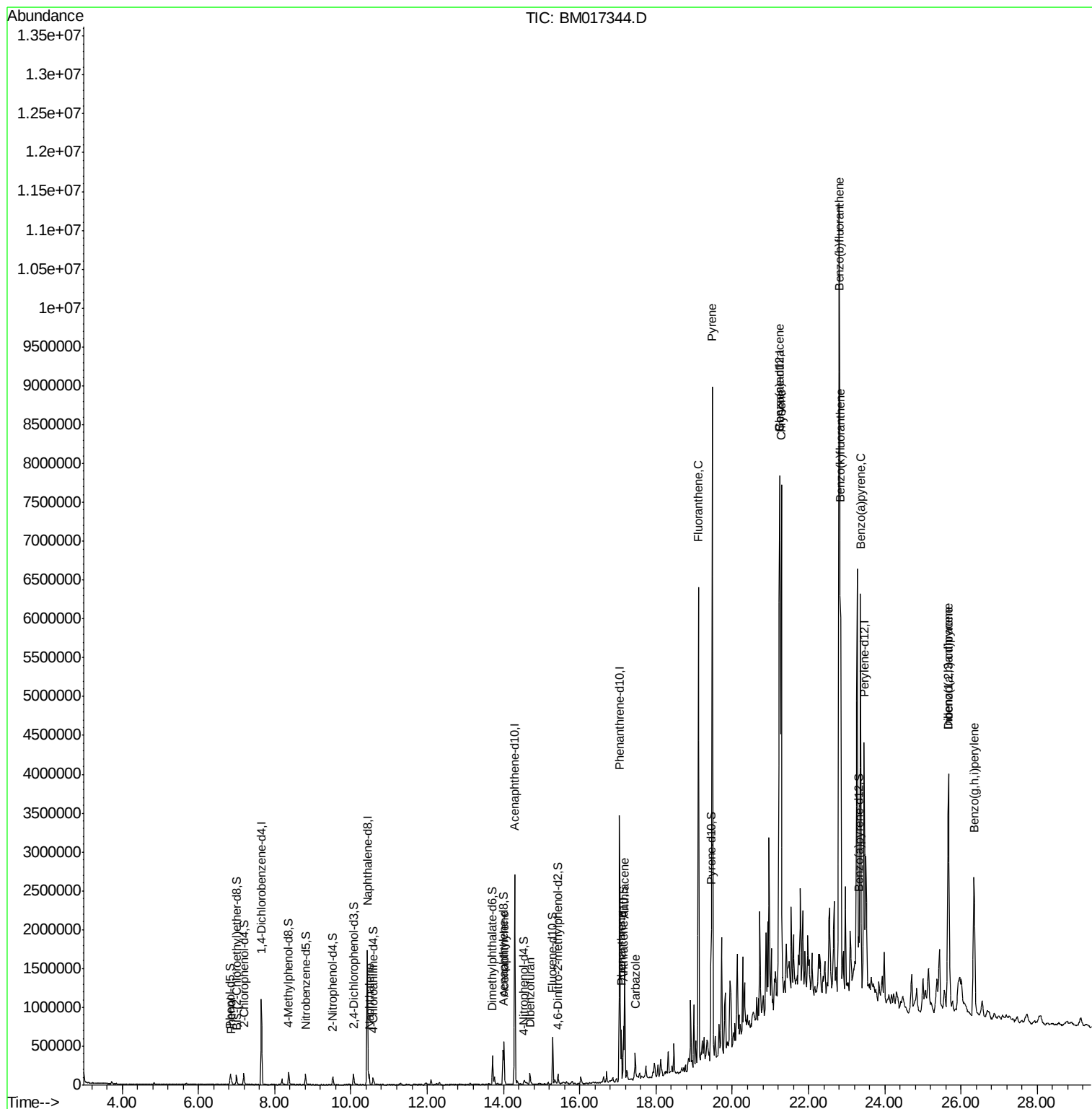
					Qvalue
6) Phenol	6.86	94	29078	1.057	ng/ul 99
28) Naphthalene	10.47	128	102578	1.370	ng/ul 99
48) Acenaphthylene	14.02	152	397953	4.672	ng/ul 100
54) Dibenzofuran	14.70	168	91677	1.061	ng/ul 96
70) Phenanthrene	17.09	178	397245	3.401	ng/ul 100
72) Anthracene	17.18	178	883623	7.448	ng/ul 98
75) Carbazole	17.46	167	204312	1.969	ng/ul 98
77) Fluoranthene	19.12	202	3775496	28.197	ng/ul 99
80) Pyrene	19.48	202	5362797	39.158	ng/ul 98
83) Benzo(a)anthracene	21.23	228	2847720	19.732	ng/ul 95
85) Chrysene	21.29	228	4108102	29.935	ng/ul 98
88) Benzo(b)fluoranthene	22.81	252	8274446	62.310	ng/ul 99
89) Benzo(k)fluoranthene	22.84	252	2966972	22.873	ng/ul 97
91) Benzo(a)pyrene	23.36	252	3411942	26.300	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.67	276	2880003	18.245	ng/ul 97
93) Dibenz(a,h)anthracene	25.67	278	729389	5.534	ng/ul# 83
94) Benzo(g,h,i)perylene	26.34	276	2223011	16.578	ng/ul 99

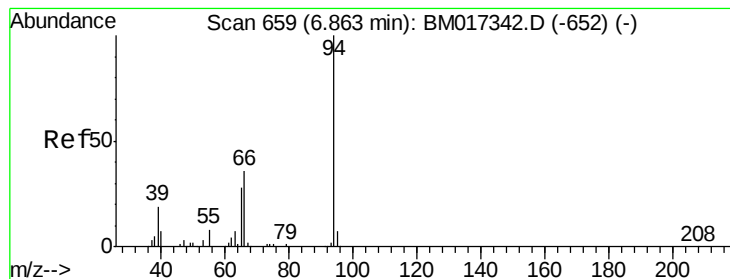
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.057 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

Instrument :

BNA_M

ClientSampleId :

C0AD8DL

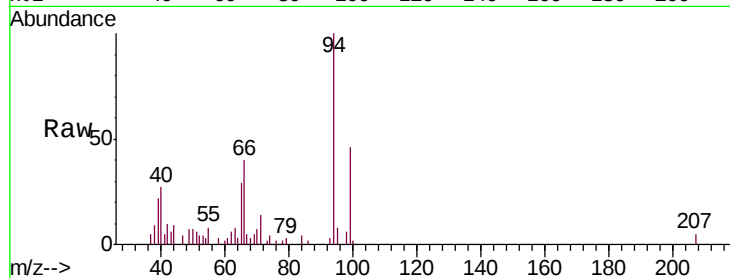
Tgt Ion: 94 Resp: 29078

Ion Ratio Lower Upper

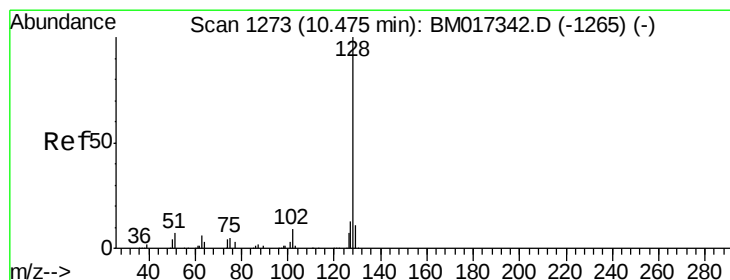
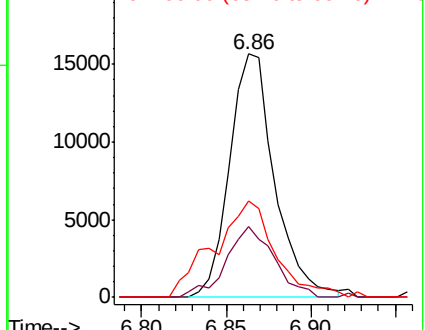
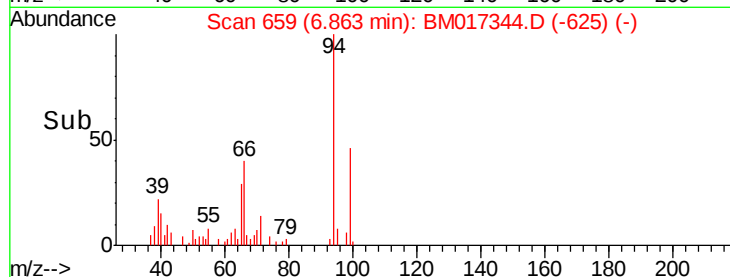
94 100

65 29.2 24.0 36.0

66 39.7 31.1 46.7



Abundance Ion 94.00 (93.70 to 94.70): BM017344.D (-652) (-)



#28

Naphthalene

Concen: 1.370 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

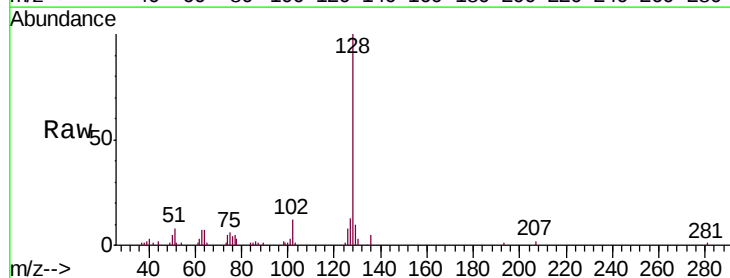
Tgt Ion: 128 Resp: 102578

Ion Ratio Lower Upper

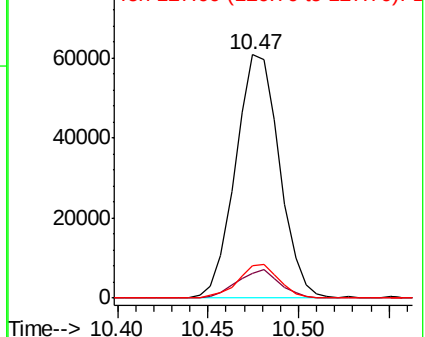
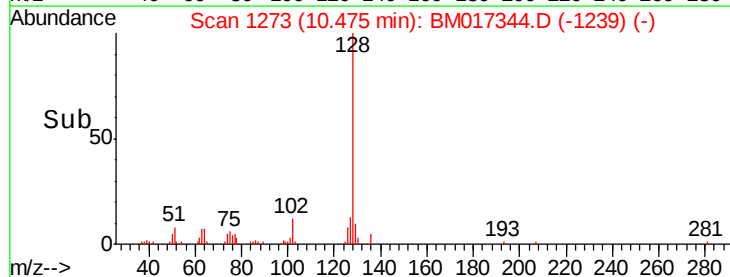
128 100

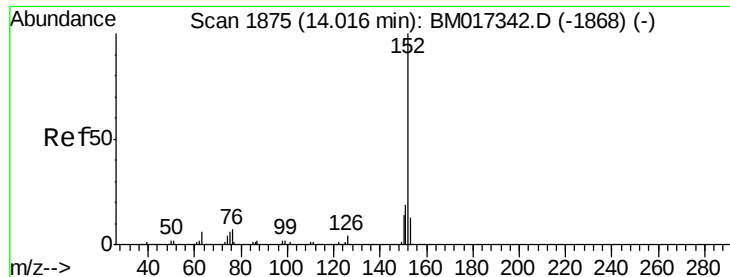
129 10.3 8.6 12.8

127 13.1 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): BM017344.D (-1239) (-)





#48

Acenaphthylene

Concen: 4.672 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

Instrument :

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ClientSampleId :

C0AD8DL

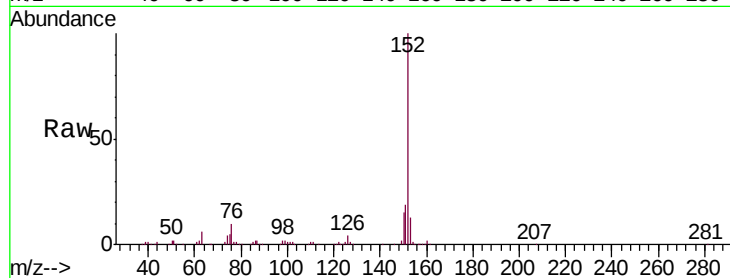
Tgt Ion:152 Resp: 397953

Ion Ratio Lower Upper

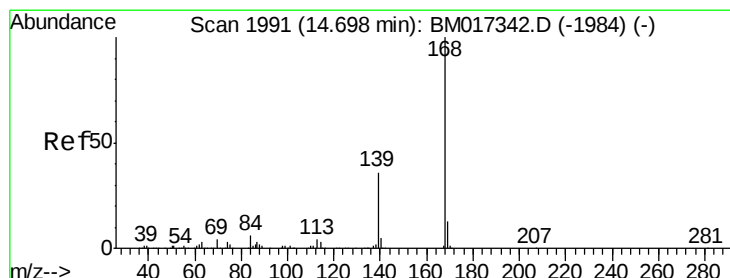
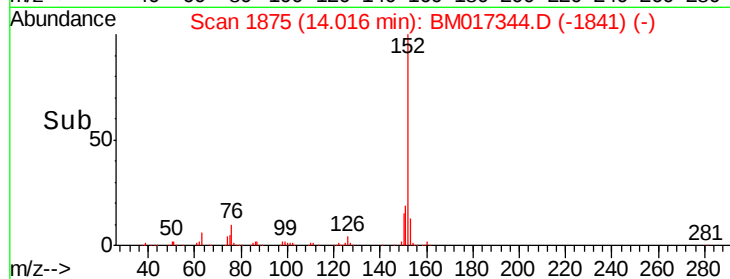
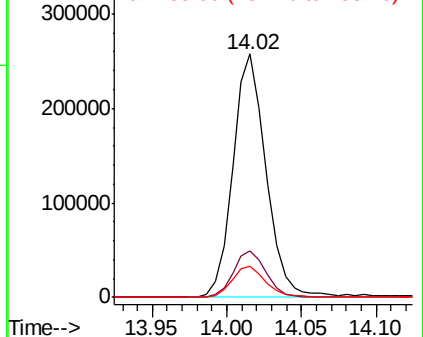
152 100

151 19.0 15.3 22.9

153 12.7 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

Dibenzofuran

Concen: 1.061 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017344.D

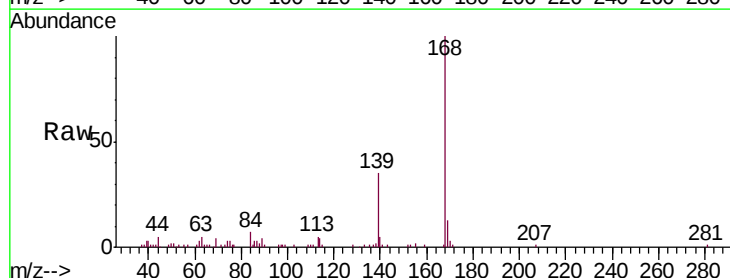
Acq: 25 Oct 2018 15:11

Tgt Ion:168 Resp: 91677

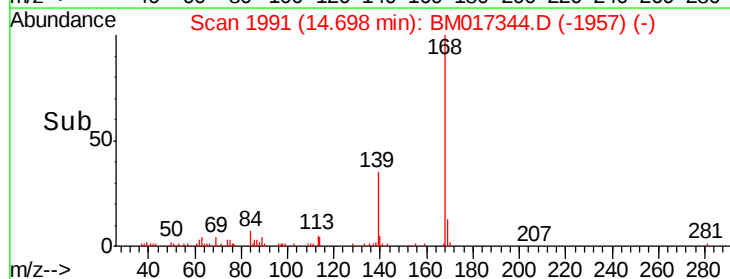
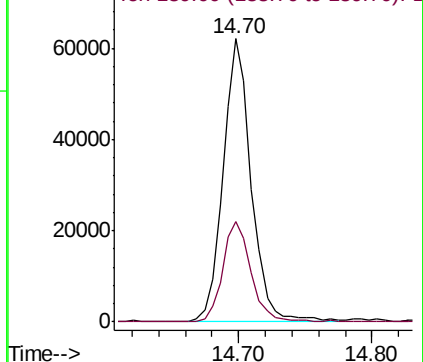
Ion Ratio Lower Upper

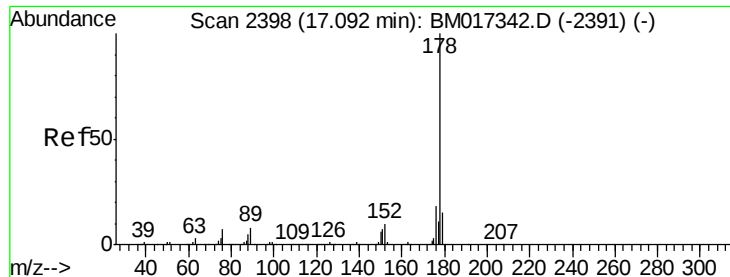
168 100

139 35.3 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: 3.401 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

Instrument :

BNA_M

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C0AD8DL

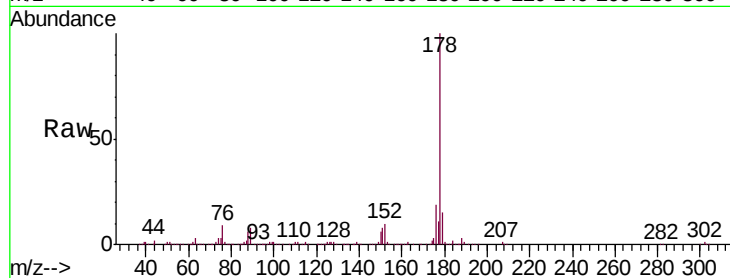
Tgt Ion:178 Resp: 397245

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

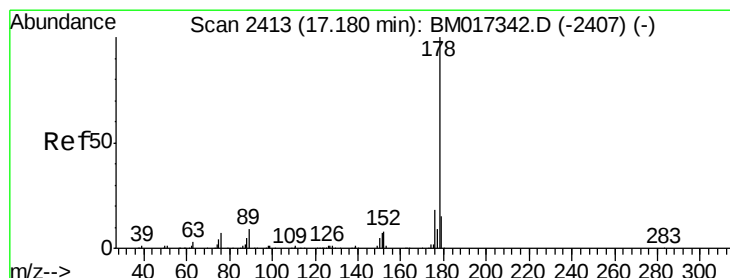
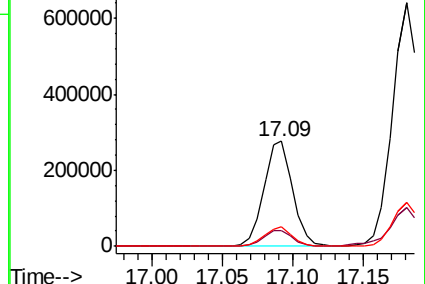
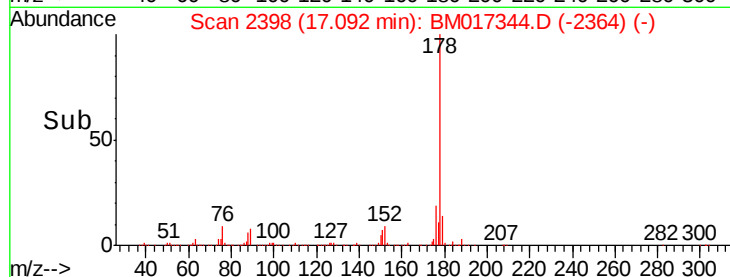
176 18.6 14.9 22.3



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: 7.448 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

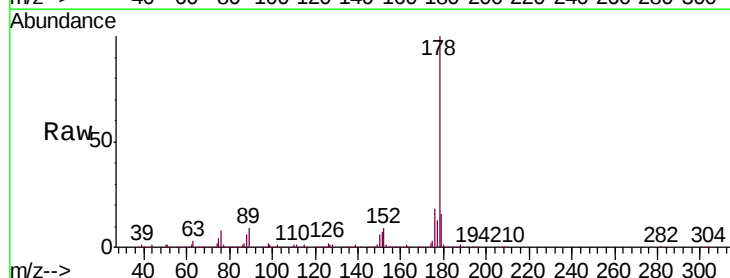
Tgt Ion:178 Resp: 883623

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

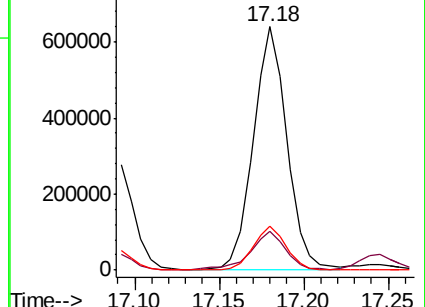
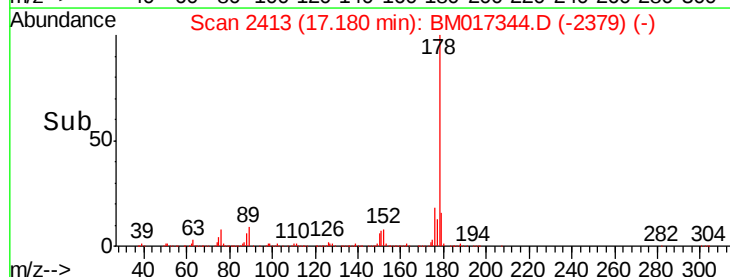
176 18.3 14.2 21.2

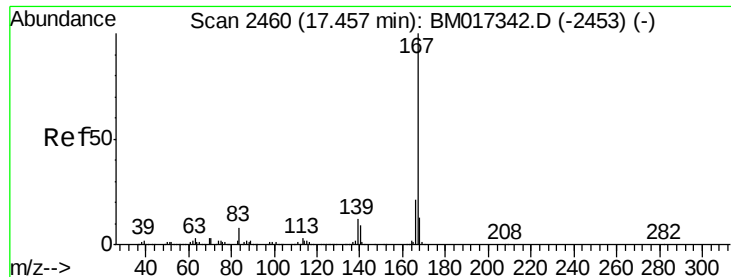


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

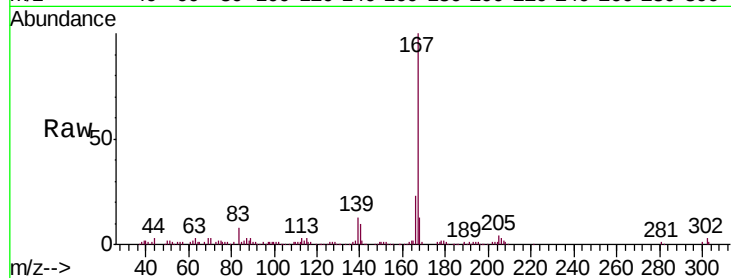




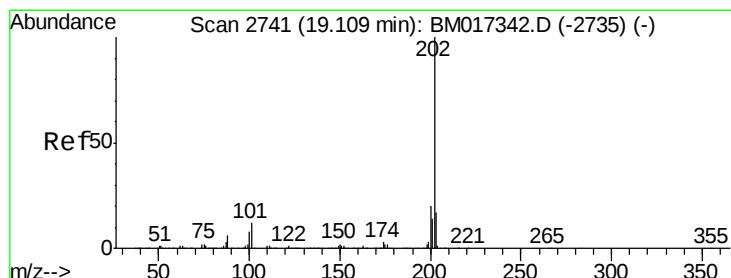
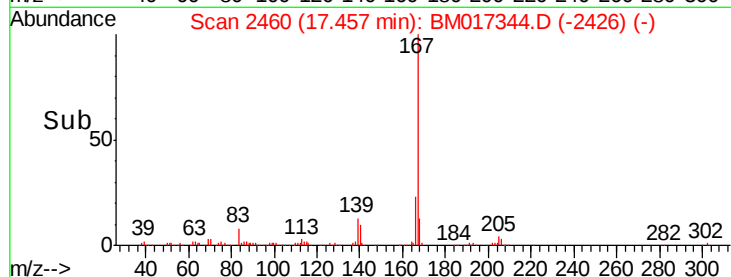
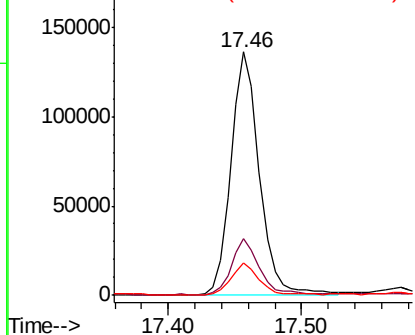
#75
 Carbazole
 Concen: 1.969 ng/ul
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM017344.D
 Acq: 25 Oct 2018 15:11

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 ClientSampleId :
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Tgt Ion:167 Resp: 204312
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.5 26.3
 139 13.1 10.0 15.0

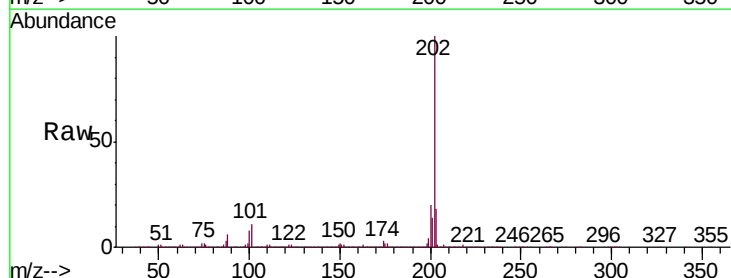


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

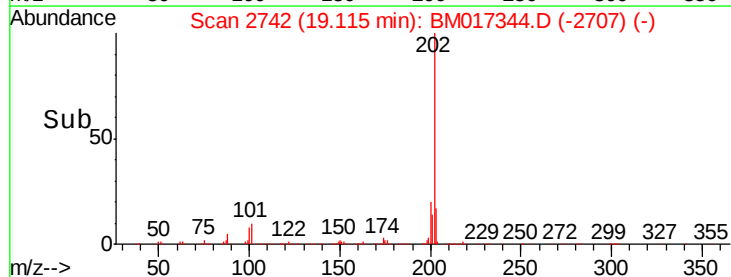
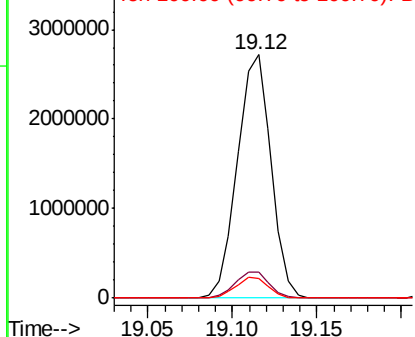


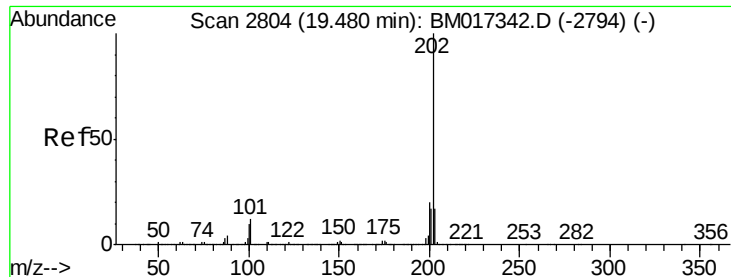
#77
 Fluoranthene
 Concen: 28.197 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. 0.01 min
 Lab File: BM017344.D
 Acq: 25 Oct 2018 15:11

Tgt Ion:202 Resp: 3775496
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.2 12.4
 100 8.1 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): B

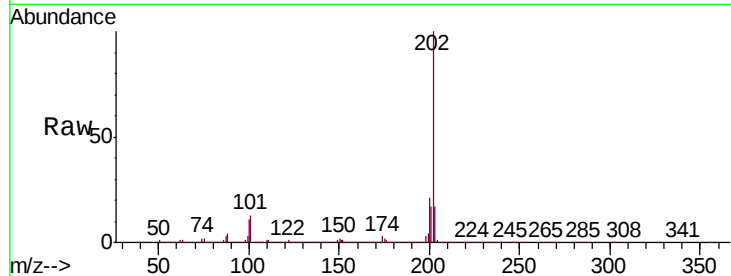




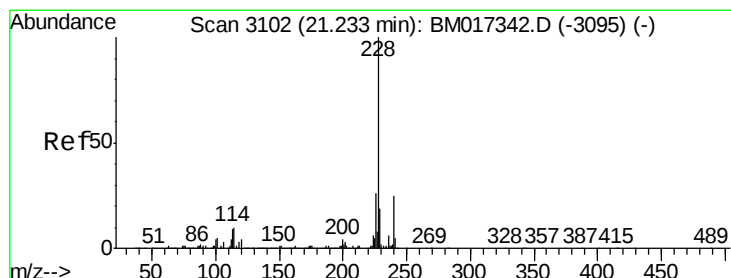
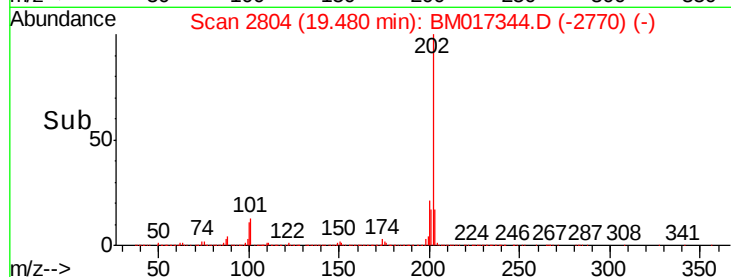
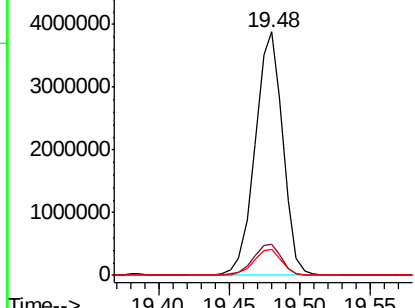
#80
 Pyrene
 Concen: 39.158 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM017344.D
 Acq: 25 Oct 2018 15:11

Instrument :
 BNA_M
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Tgt Ion:202 Resp: 5362797
 Ion Ratio Lower Upper
 202 100
 101 12.7 9.5 14.3
 100 10.5 8.1 12.1

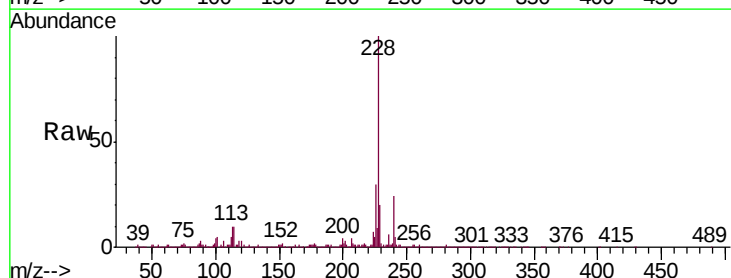


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

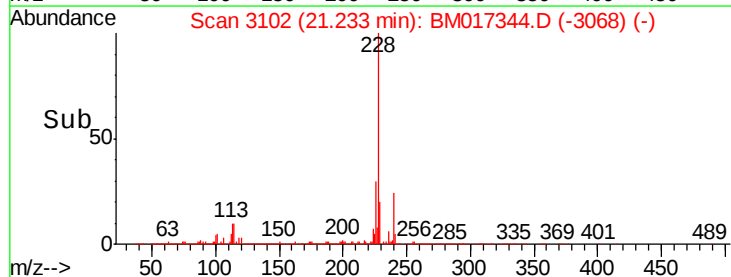
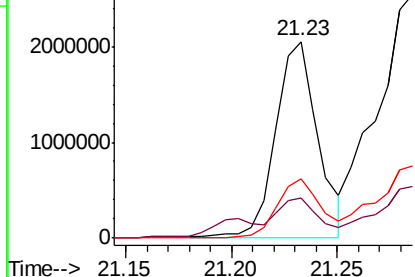


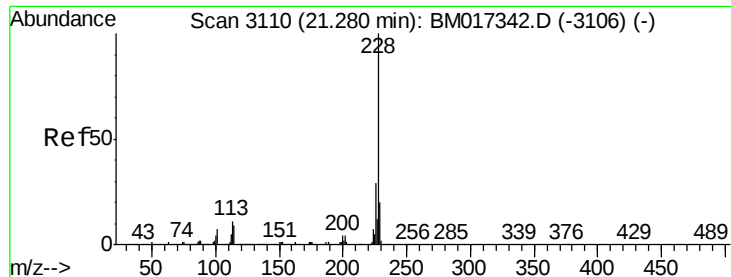
#83
 Benzo(a)anthracene
 Concen: 19.732 ng/ul
 RT: 21.23 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: BM017344.D
 Acq: 25 Oct 2018 15:11

Tgt Ion:228 Resp: 2847720
 Ion Ratio Lower Upper
 228 100
 229 20.4 15.6 23.4
 226 30.0 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

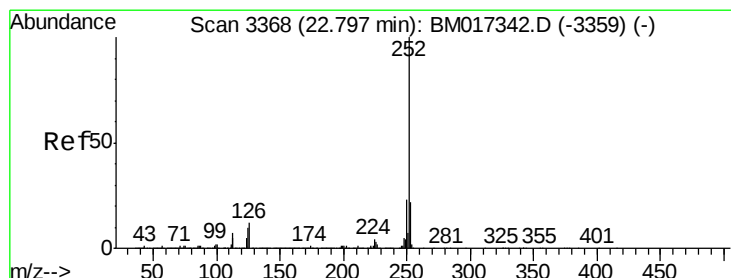
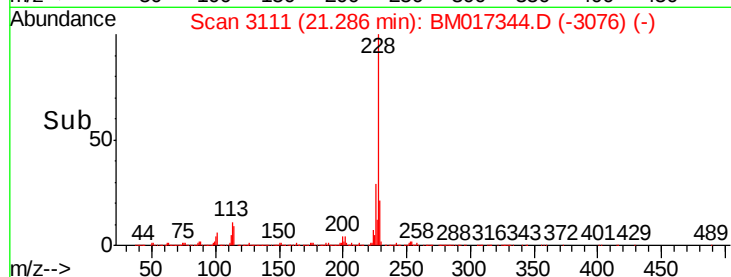
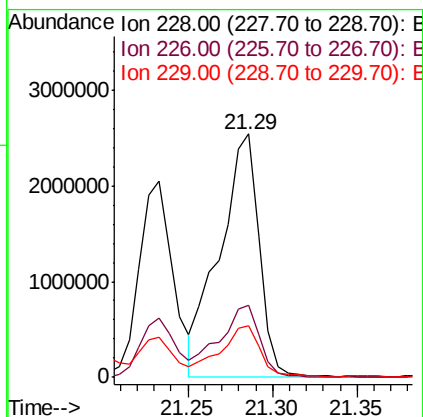
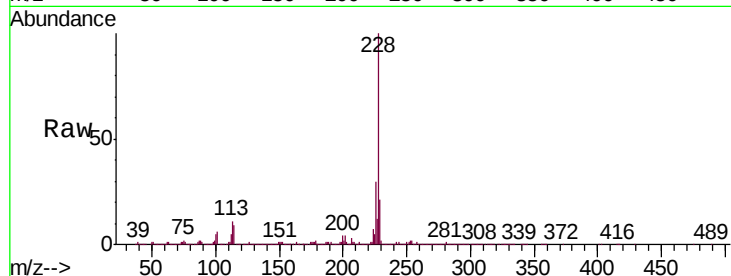




#85
Chrysene
Concen: 29.935 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BM017344.D
Acq: 25 Oct 2018 15:11

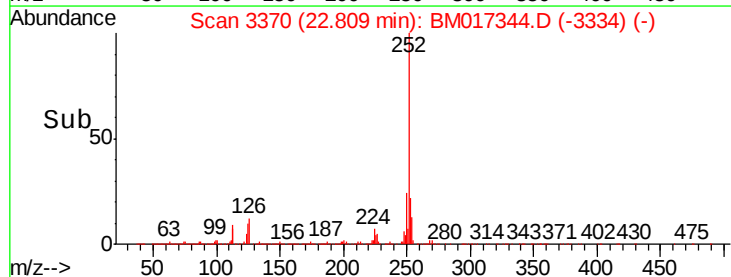
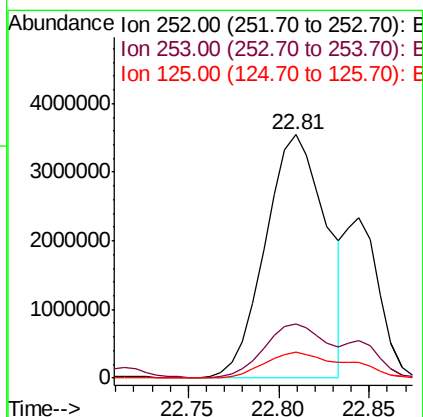
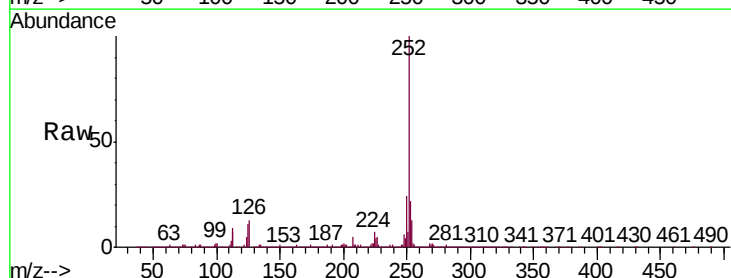
Instrument :
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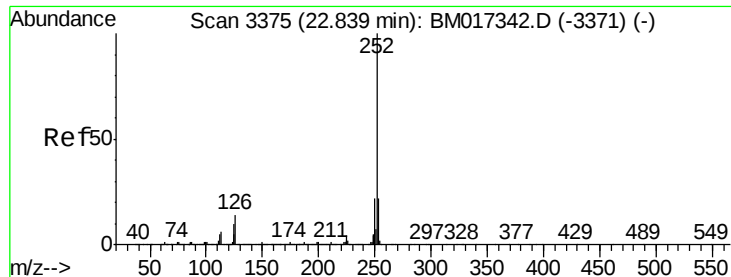
Tgt Ion:228 Resp: 4108102
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 21.0 15.6 23.4



#88
Benzo(b)fluoranthene
Concen: 62.310 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BM017344.D
Acq: 25 Oct 2018 15:11

Tgt Ion:252 Resp: 8274446
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 10.6 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 22.873 ng/u1

RT: 22.84 min Scan# 3376

Delta R.T. 0.01 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

Instrument :

BNA_M

ClientSampleId :

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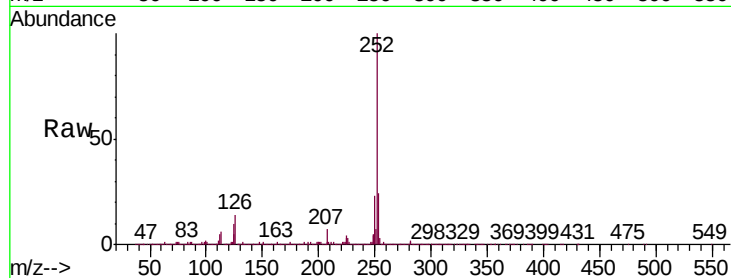
Tgt Ion:252 Resp: 2966972

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

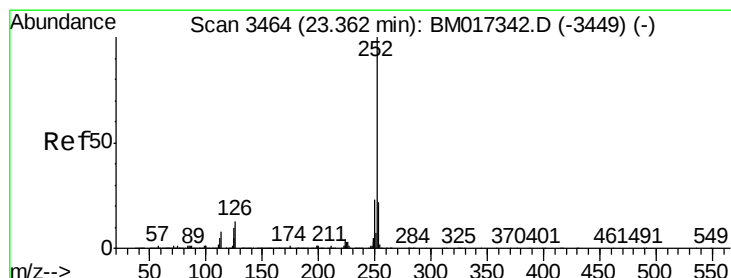
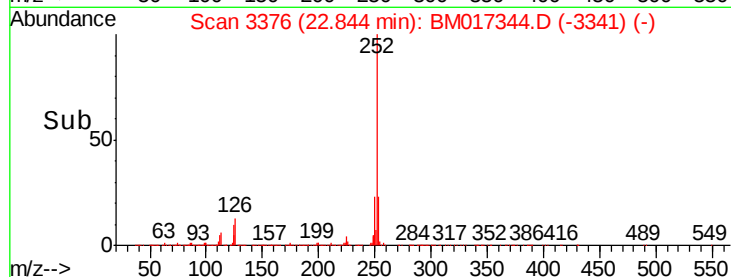
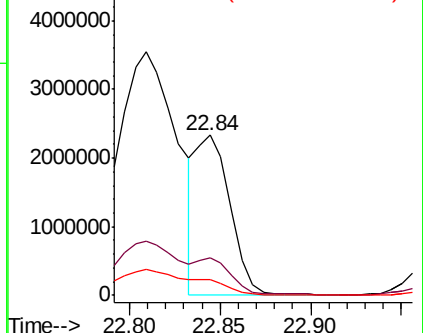
125 10.1 7.8 11.6



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: 26.300 ng/u1

RT: 23.36 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

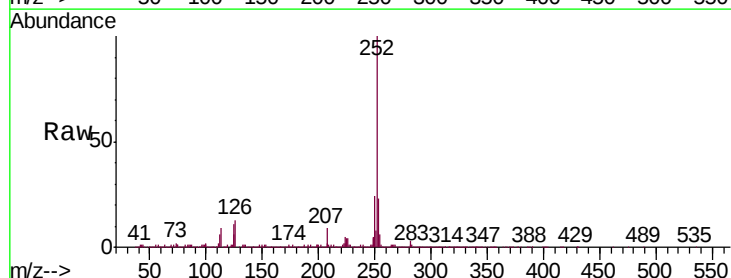
Tgt Ion:252 Resp: 3411942

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

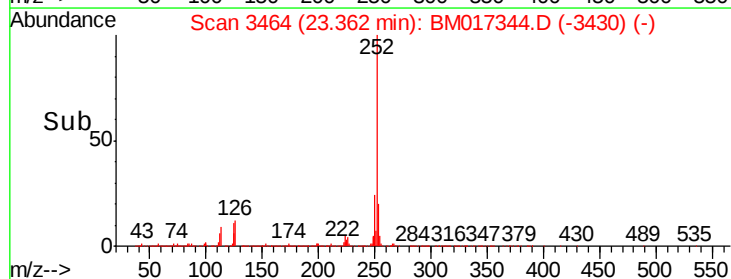
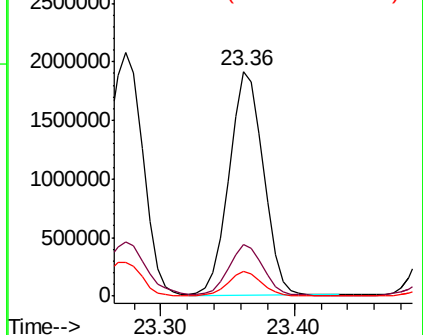
125 11.2 8.3 12.5

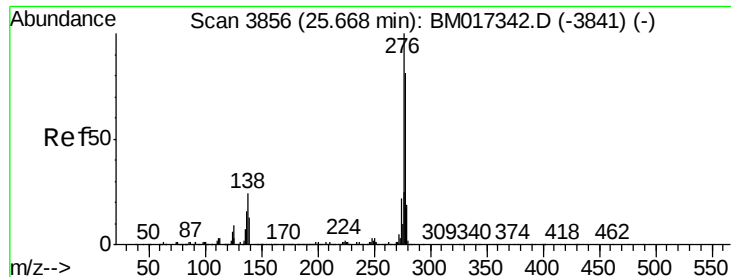


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



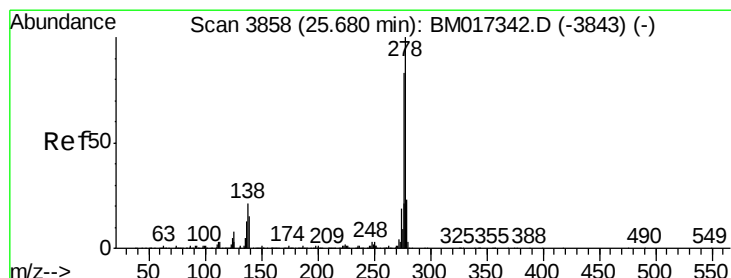
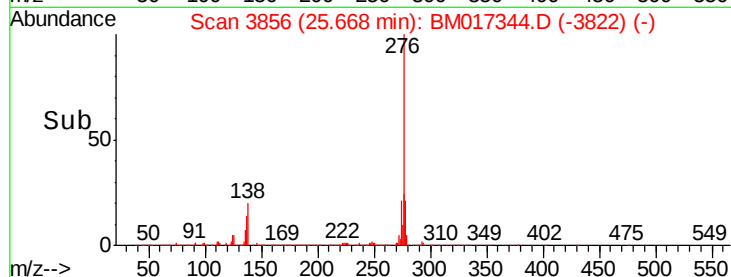
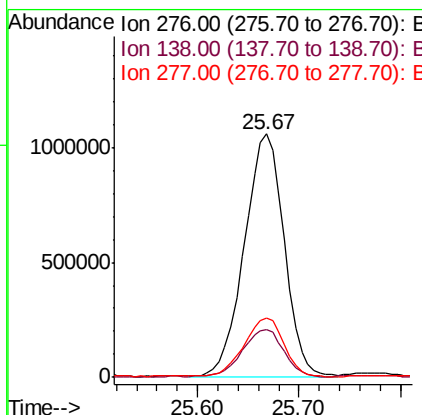
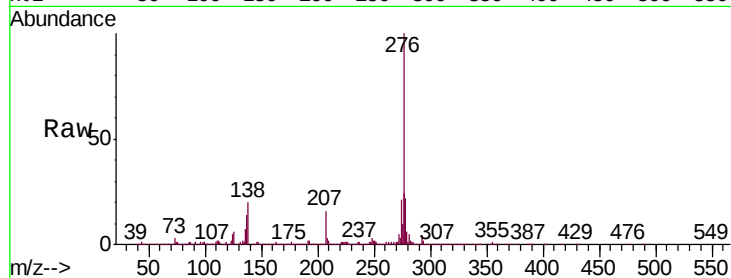


#92

Indeno(1,2,3-cd)pyrene
Concen: 18.245 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. 0.00 min
Lab File: BM017344.D
Acq: 25 Oct 2018 15:11

Instrument :
BNA_M
ClientSampleId :
C0AD8DL

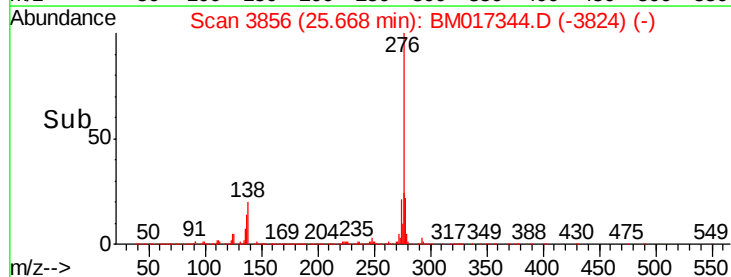
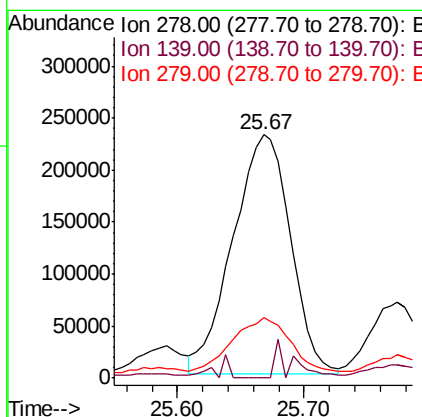
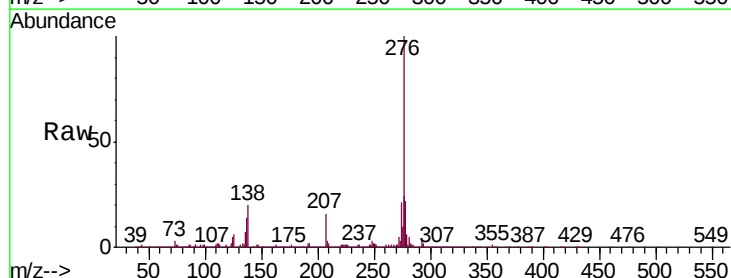
Tgt Ion:276 Resp: 2880003
Ion Ratio Lower Upper
276 100
138 19.6 18.1 27.1
277 24.1 19.6 29.4

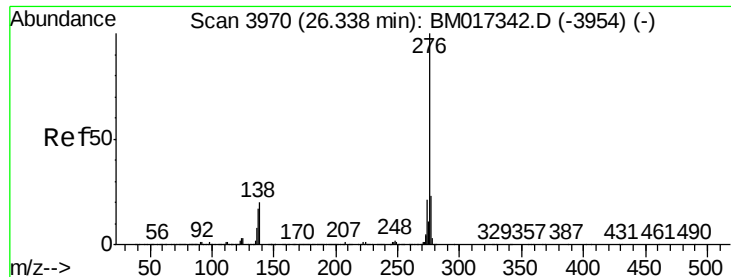


#93

Dibenzo(a,h)anthracene
Concen: 5.534 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. -0.01 min
Lab File: BM017344.D
Acq: 25 Oct 2018 15:11

Tgt Ion:278 Resp: 729389
Ion Ratio Lower Upper
278 100
139 0.0 12.7 19.1#
279 24.9 19.0 28.4





#94

Benzo(g,h,i)perylene

Concen: 16.578 ng/ul

RT: 26.34 min Scan# 3971

Delta R.T. 0.01 min

Lab File: BM017344.D

Acq: 25 Oct 2018 15:11

Instrument :

BNA_M

ClientSampleId :

C0AD8DL

Tgt Ion: 276 Resp: 2223011

Ion Ratio Lower Upper

276 100

138 20.1 16.6 25.0

277 24.3 18.9 28.3

