

Data File : BM017347.D
Acq On : 25 Oct 2018 17:00
Operator : MJ/SJ
Sample : J5598-09DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE0DL

Quant Time: Oct 26 01:16:57 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	285202	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1346028	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	815413	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1919363	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2197200	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2170563	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	10591	1.71	ng/uL	0.00
5) Phenol-d5	6.83	99	244316	9.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	151268	9.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	201883	10.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	198069	9.62	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	102736	9.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	116123	9.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	208834	9.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	214963	12.02	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	694795	9.94	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	857735	10.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	79761	6.11	ng/ul	0.02
58) Fluorene-d10	15.29	176	617967	10.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	94132	7.04	ng/ul	0.00
71) Anthracene-d10	17.14	188	963459	10.14	ng/ul	0.00
79) Pyrene-d10	19.44	212	1104163	10.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	1206896	10.53	ng/ul	0.00

Target Compounds

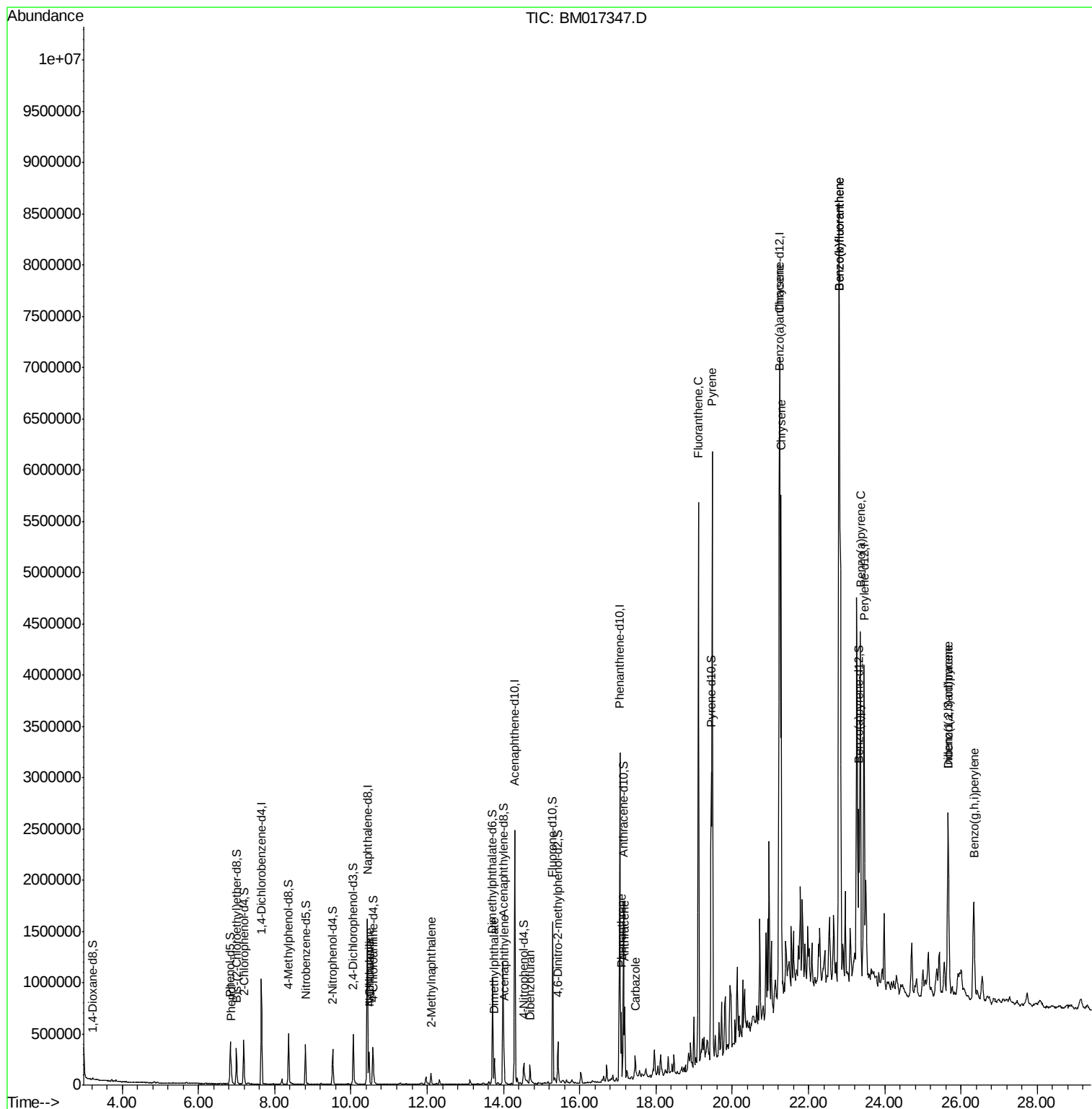
					Qvalue
6) Phenol	6.86	94	70275	2.717 ng/ul	97
28) Naphthalene	10.47	128	256126	3.637 ng/ul	98
30) 4-Chloroaniline	10.47	127	31821	1.740 ng/ul#	1
34) 2-Methylnaphthalene	12.10	142	55542	1.073 ng/ul	98
45) Dimethylphthalate	13.76	163	159694	2.357 ng/ul	98
48) Acenaphthylene	14.02	152	260352	3.267 ng/ul	99
54) Dibenzofuran	14.70	168	109655	1.357 ng/ul	99
70) Phenanthrene	17.09	178	396626	3.599 ng/ul	99
72) Anthracene	17.18	178	416122	3.717 ng/ul	99
75) Carbazole	17.46	167	126441	1.292 ng/ul	98
77) Fluoranthene	19.12	202	3294865	26.080 ng/ul	100
80) Pyrene	19.48	202	3686481	28.893 ng/ul	99
83) Benzo(a)anthracene	21.23	228	2496612	18.568 ng/ul	97
85) Chrysene	21.28	228	2945580	23.038 ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	5941159	46.761 ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	5941159	47.871 ng/ul	99
91) Benzo(a)pyrene	23.36	252	2167736	17.464 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.66	276	1698643	11.247 ng/ul	97
93) Dibenzo(a,h)anthracene	25.67	278	453235	3.594 ng/ul#	84
94) Benzo(g,h,i)perylene	26.34	276	1179655	9.194 ng/ul	99

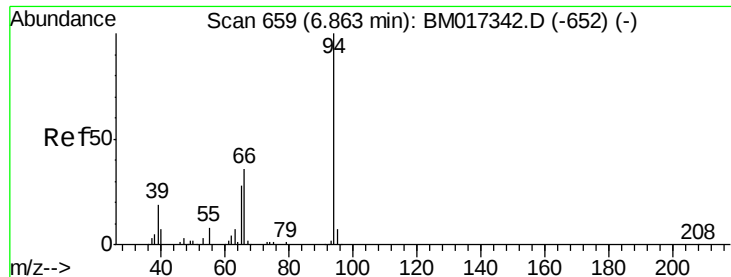
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.717 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampled :

C0AE0DL

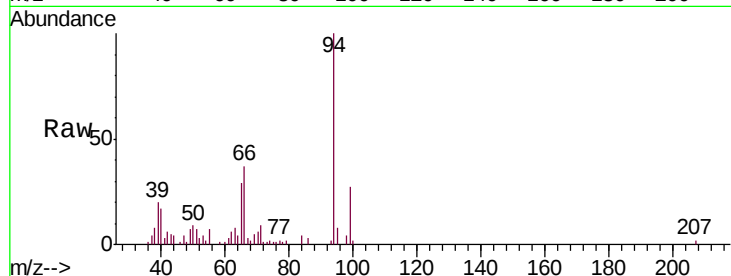
Tgt Ion: 94 Resp: 70275

Ion Ratio Lower Upper

94 100

65 28.5 24.0 36.0

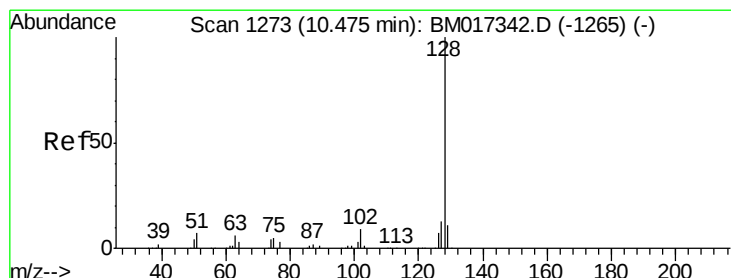
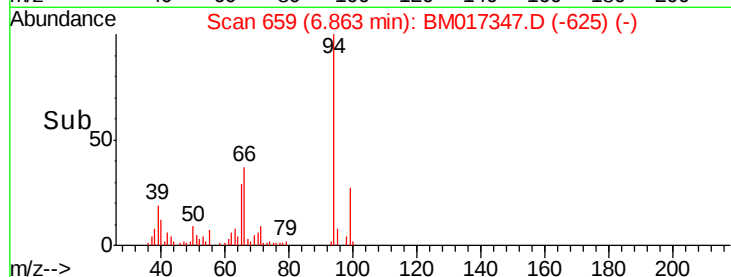
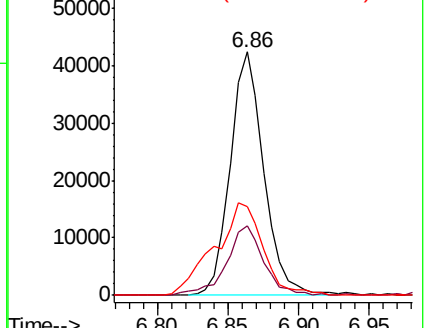
66 36.6 31.1 46.7



Abundance Ion 94.00 (93.70 to 94.70): BM017347.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM017347.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM017347.D (-652) (-)



#28

Naphthalene

Concen: 3.637 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

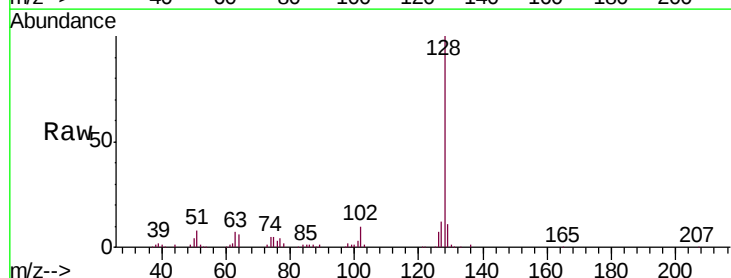
Tgt Ion: 128 Resp: 256126

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

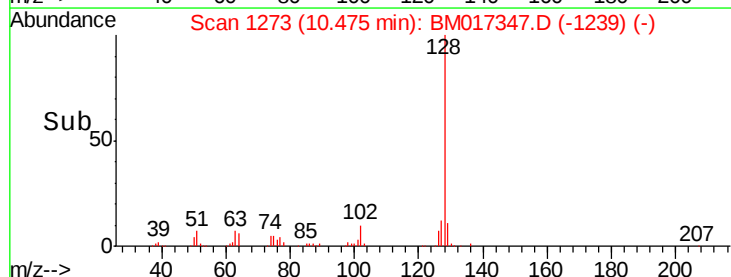
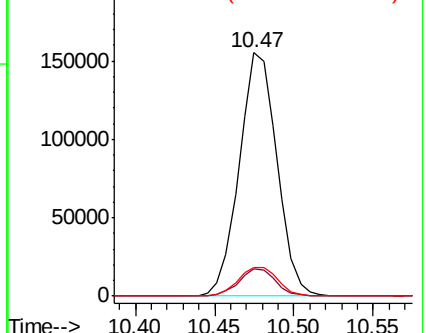
127 11.9 10.3 15.5

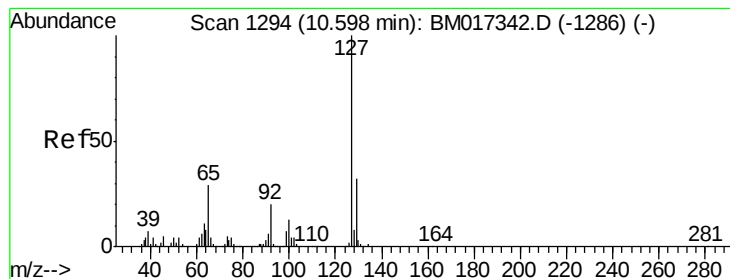


Abundance Ion 128.00 (127.70 to 128.70): BM017347.D (-1239) (-)

Ion 129.00 (128.70 to 129.70): BM017347.D (-1239) (-)

Ion 127.00 (126.70 to 127.70): BM017347.D (-1239) (-)





#30

4-Chloroaniline

Concen: 1.740 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.12 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

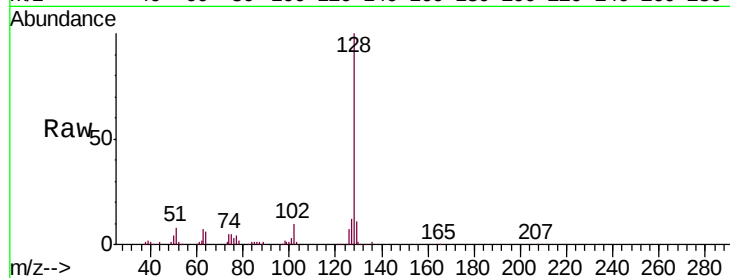
C0AE0DL

Tgt Ion:127 Resp: 31821

Ion Ratio Lower Upper

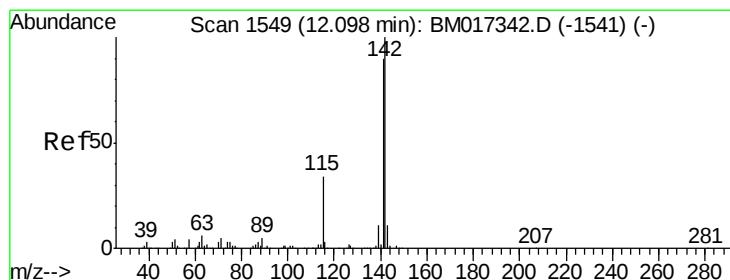
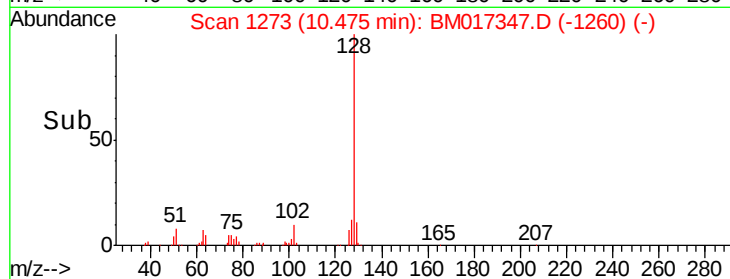
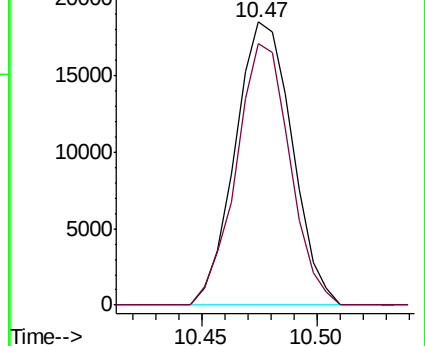
127 100

129 92.2 26.2 39.4#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 1.073 ng/ul

RT: 12.10 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM017347.D

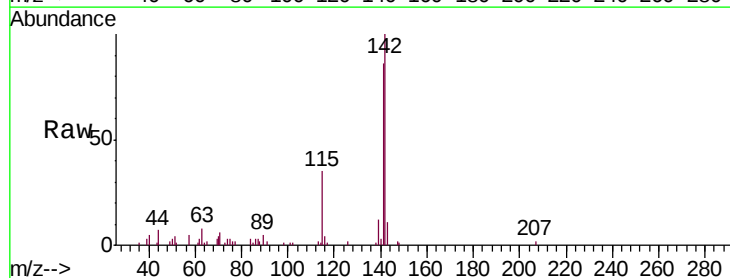
Acq: 25 Oct 2018 17:00

Tgt Ion:142 Resp: 55542

Ion Ratio Lower Upper

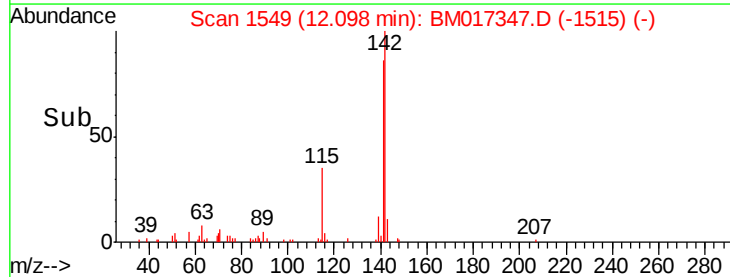
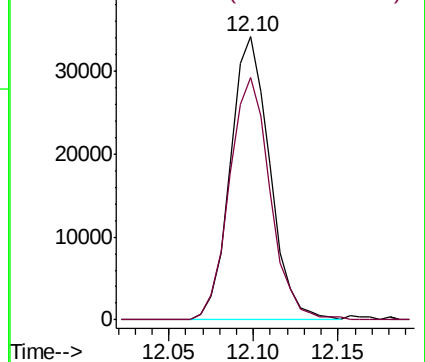
142 100

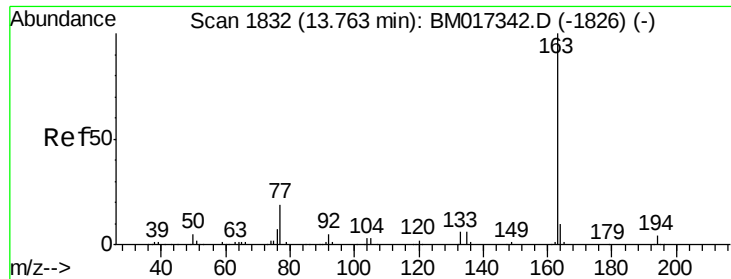
141 85.8 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 2.357 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL

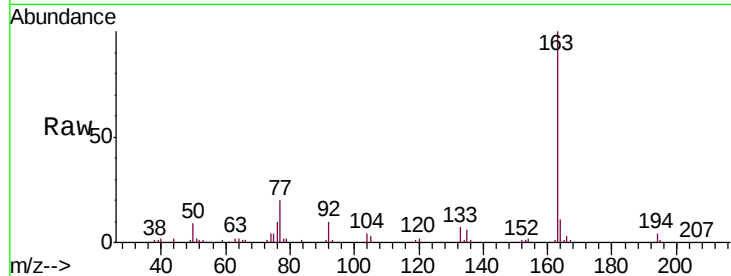
Tgt Ion:163 Resp: 159694

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

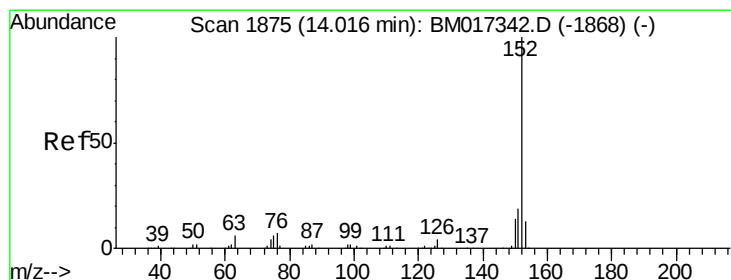
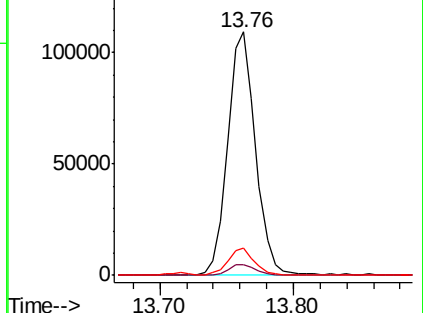
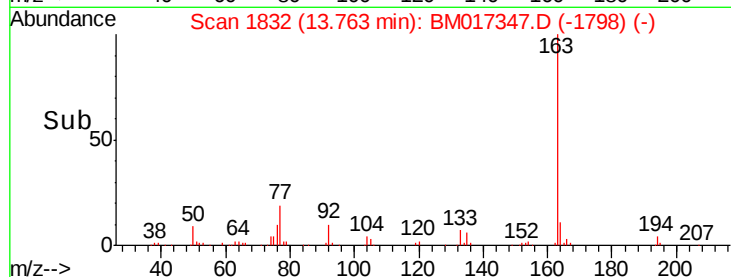
164 11.1 8.1 12.1



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: 3.267 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

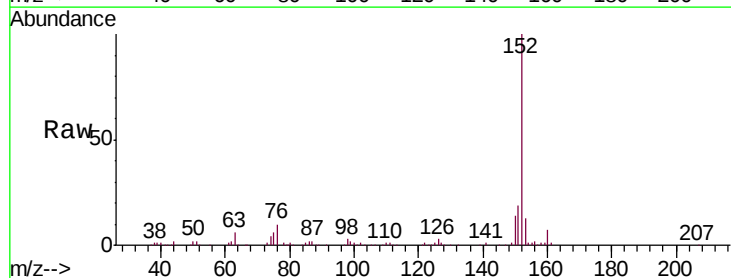
Tgt Ion:152 Resp: 260352

Ion Ratio Lower Upper

152 100

151 19.0 15.3 22.9

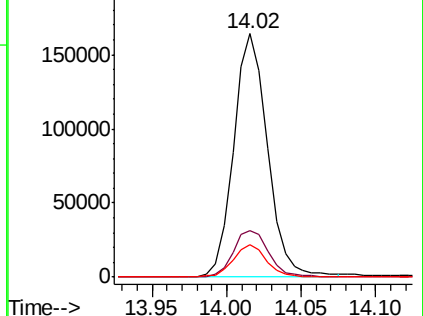
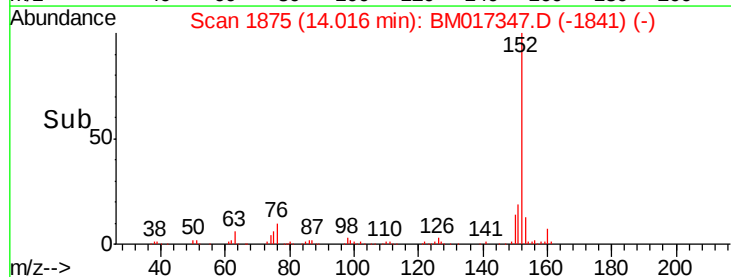
153 13.3 10.2 15.4

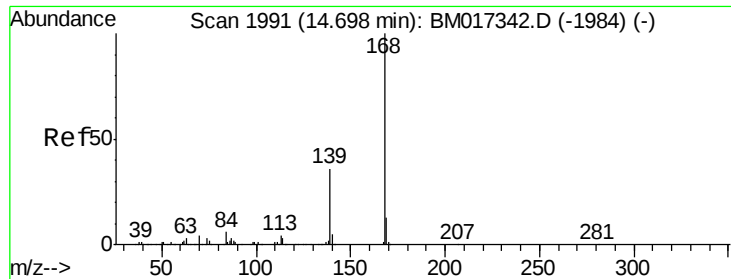


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#54

Dibenzenofuran

Concen: 1.357 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

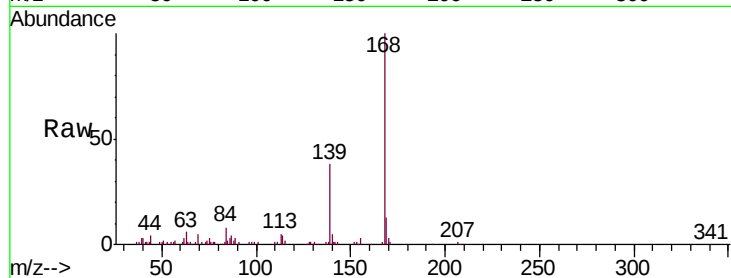
C0AE0DL

Tgt Ion:168 Resp: 109655

Ion Ratio Lower Upper

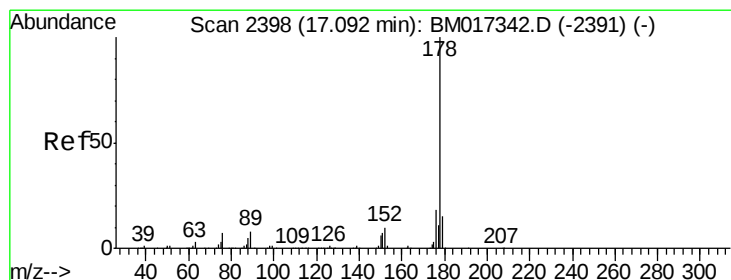
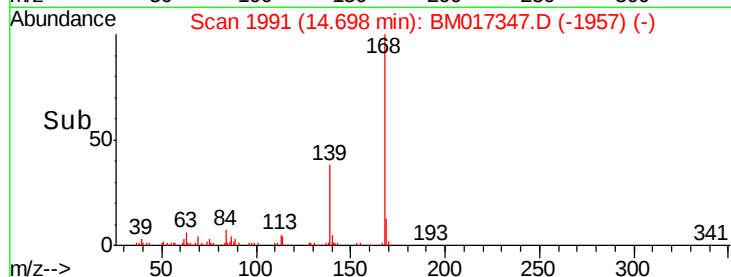
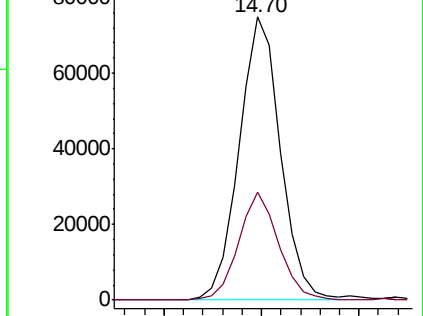
168 100

139 38.0 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: 3.599 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

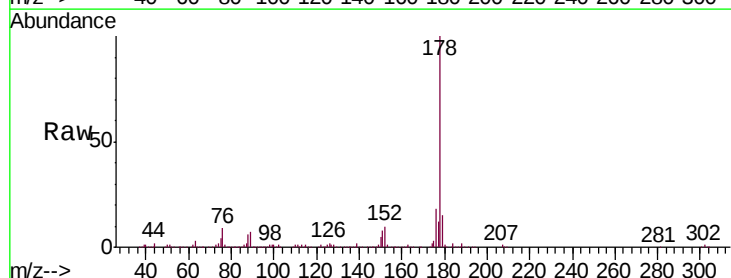
Tgt Ion:178 Resp: 396626

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

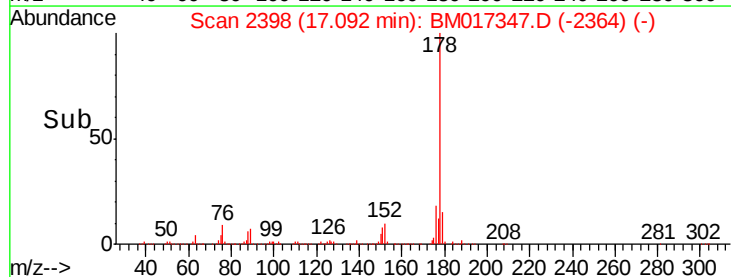
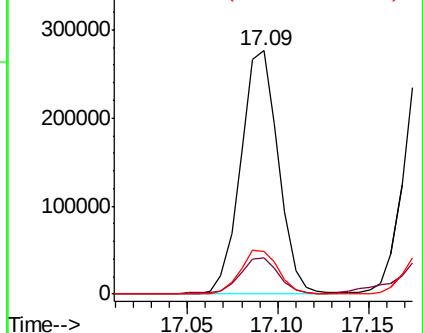
176 17.7 14.9 22.3

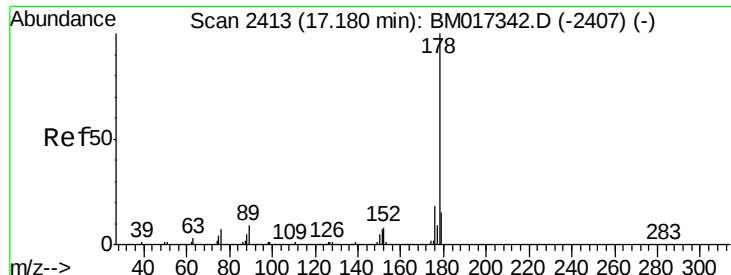


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.717 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL

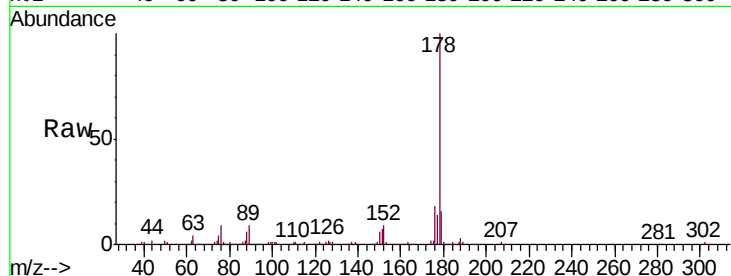
Tgt Ion:178 Resp: 416122

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.2

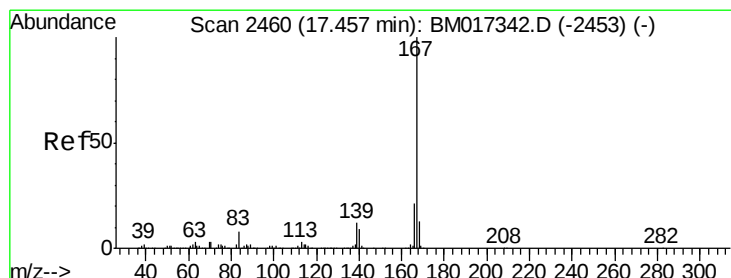
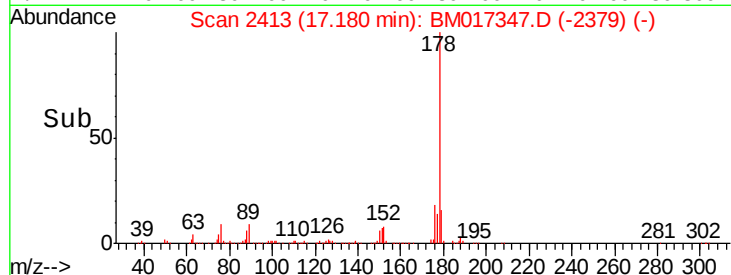
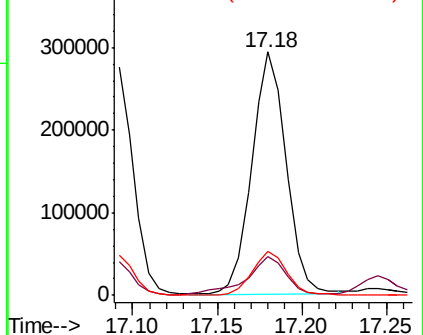
176 18.0 14.2 21.2



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: 1.292 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

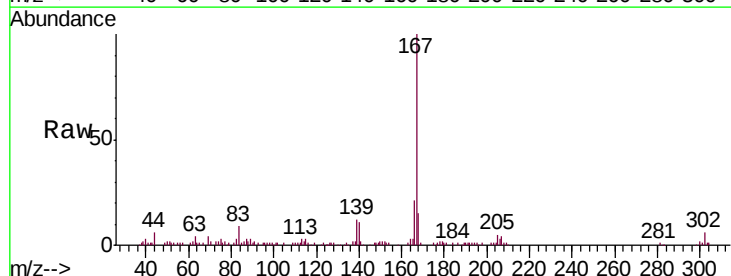
Tgt Ion:167 Resp: 126441

Ion Ratio Lower Upper

167 100

166 20.7 17.5 26.3

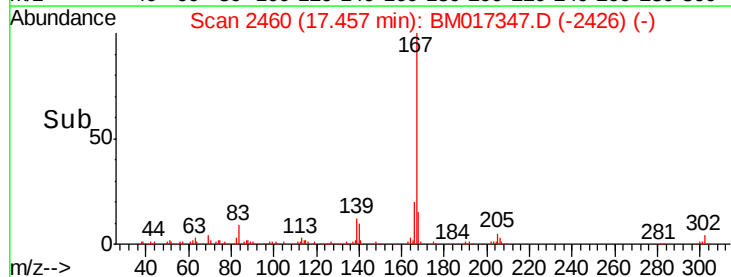
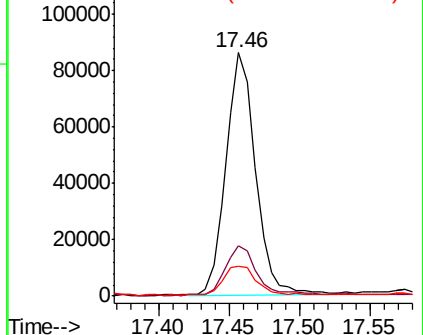
139 12.5 10.0 15.0

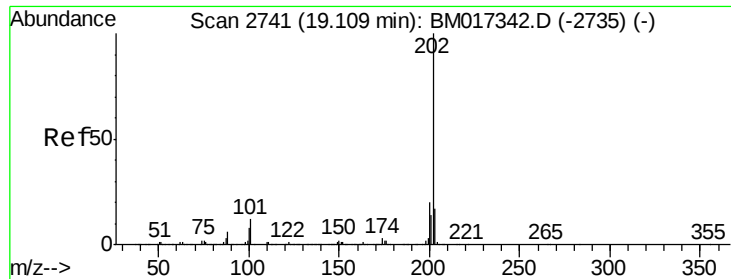


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

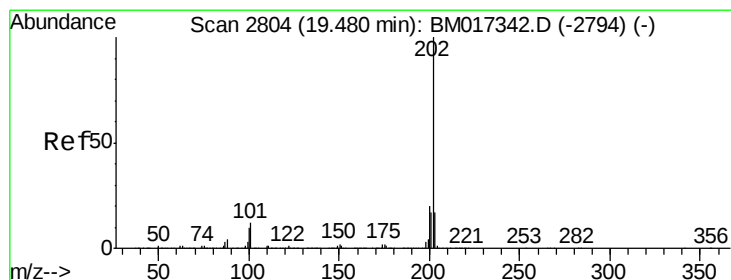
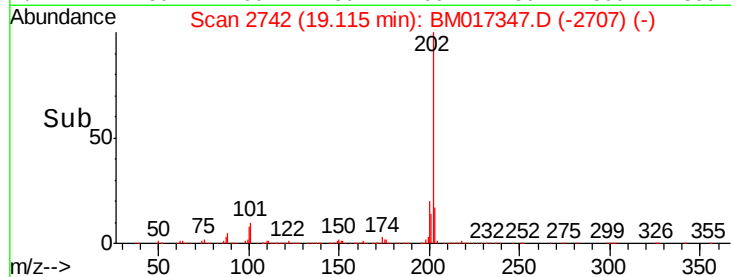
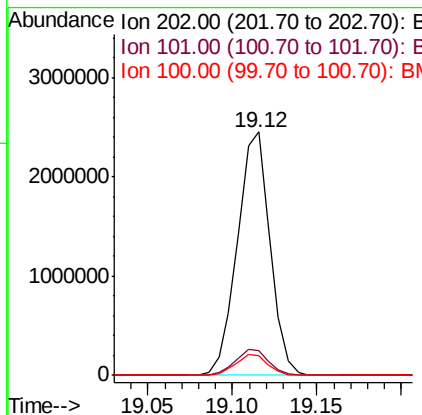
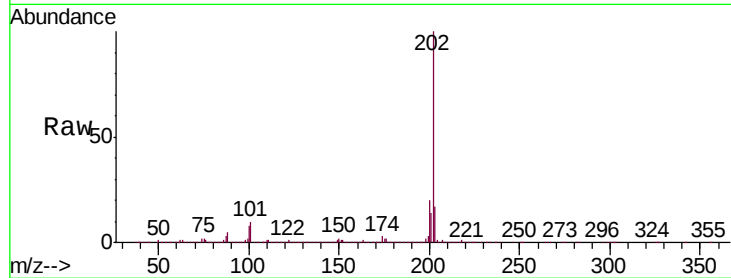




#77
 Fluoranthene
 Concen: 26.080 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. 0.01 min
 Lab File: BM017347.D
 Acq: 25 Oct 2018 17:00

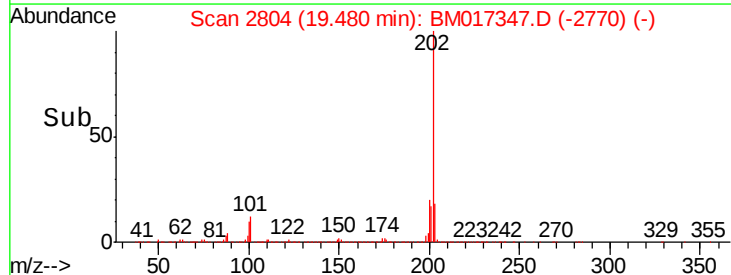
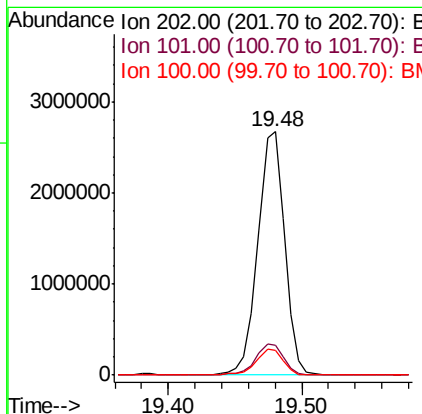
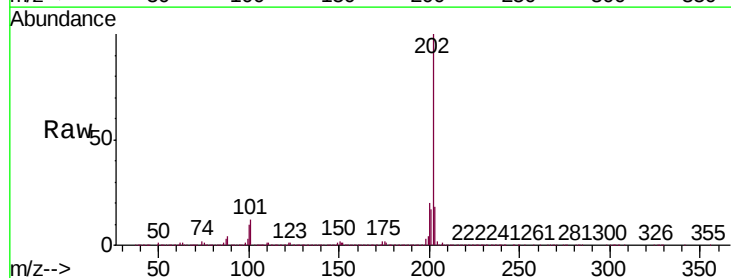
Instrument :
 BNA_M
 ClientSampleId :
 C0AE0DL

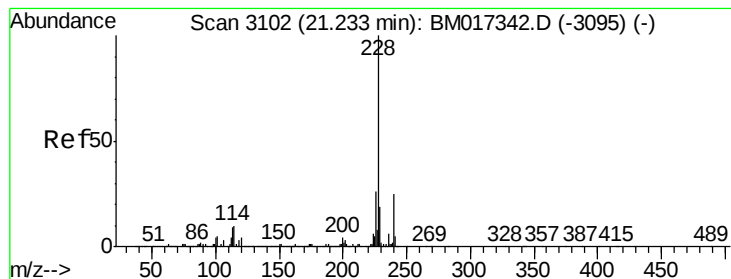
Tgt Ion:202 Resp: 3294865
 Ion Ratio Lower Upper
 202 100
 101 10.2 8.2 12.4
 100 7.9 6.3 9.5



#80
 Pyrene
 Concen: 28.893 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM017347.D
 Acq: 25 Oct 2018 17:00

Tgt Ion:202 Resp: 3686481
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.5 14.3
 100 10.1 8.1 12.1





#83

Benzo(a)anthracene

Concen: 18.568 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL

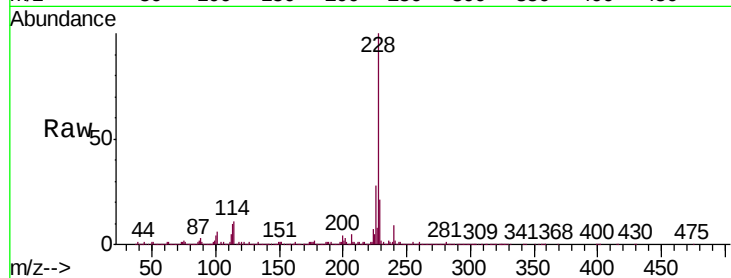
Tgt Ion:228 Resp: 2496612

Ion Ratio Lower Upper

228 100

229 20.7 15.6 23.4

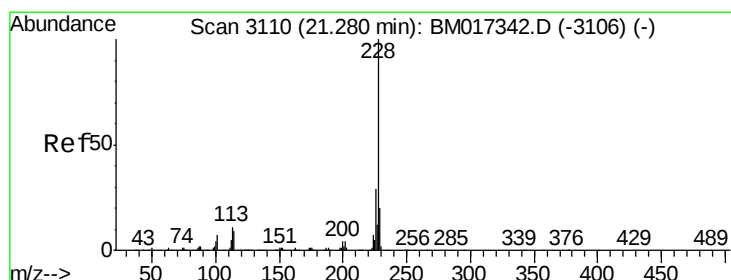
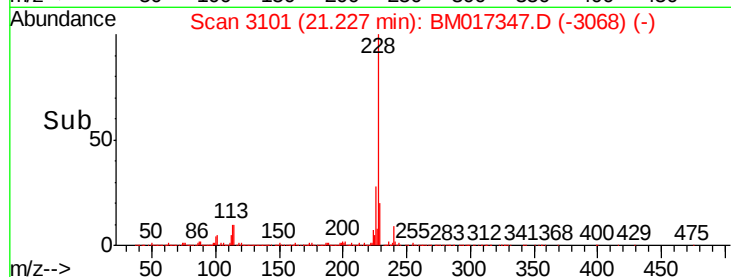
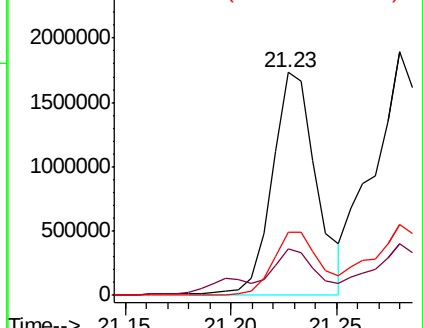
226 28.1 20.8 31.2



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: 23.038 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

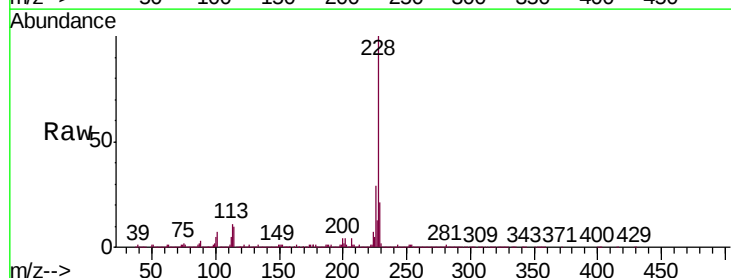
Tgt Ion:228 Resp: 2945580

Ion Ratio Lower Upper

228 100

226 29.3 23.3 34.9

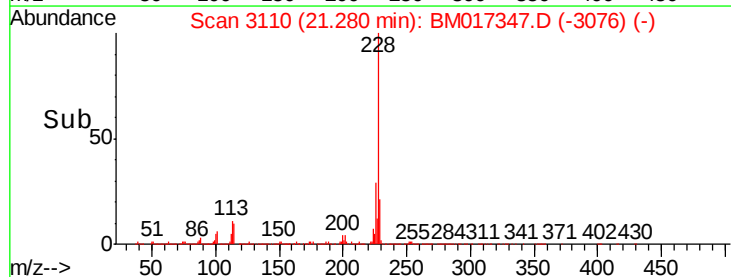
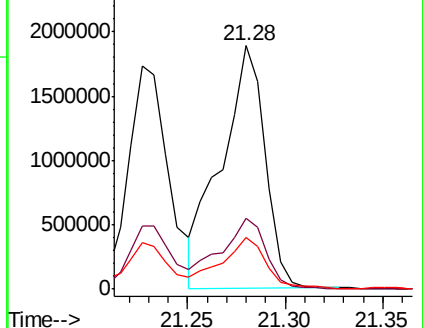
229 21.1 15.6 23.4

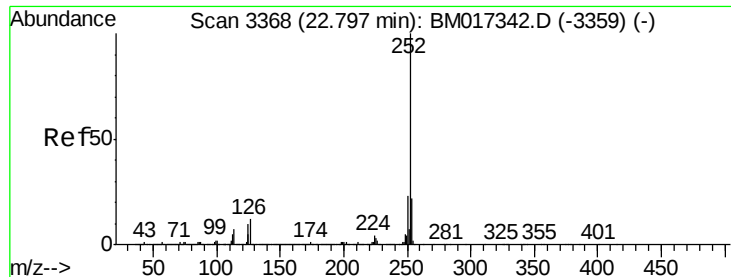


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 46.761 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AEO0DL

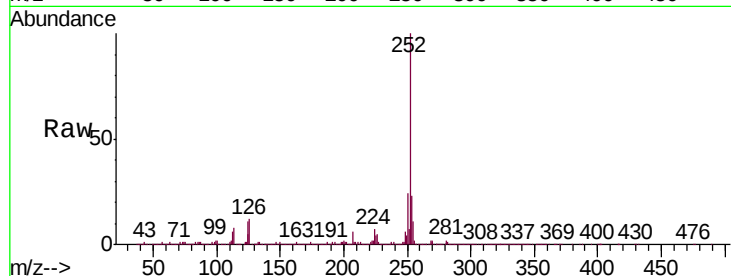
Tgt Ion:252 Resp: 5941159

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

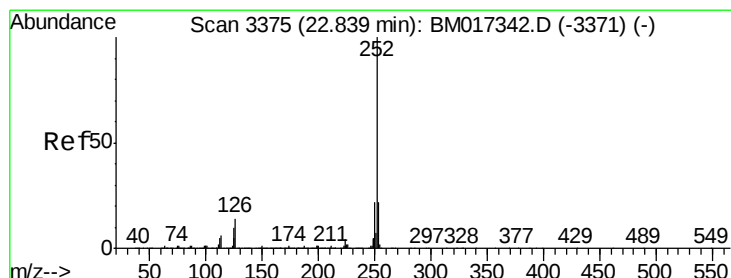
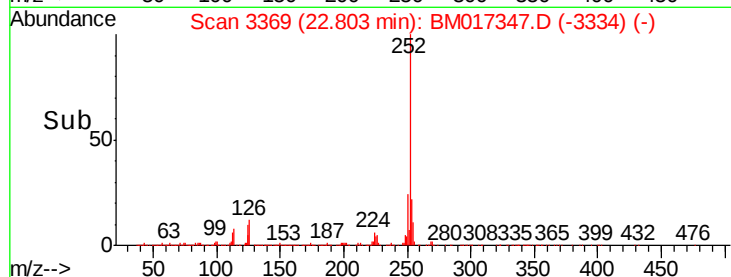
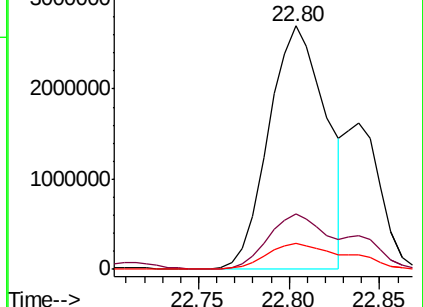
125 10.5 7.2 10.8



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: 47.871 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

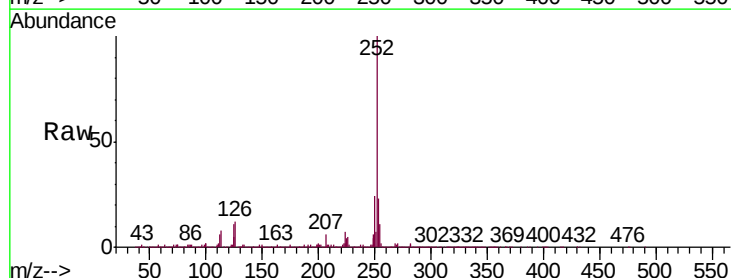
Tgt Ion:252 Resp: 5941159

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

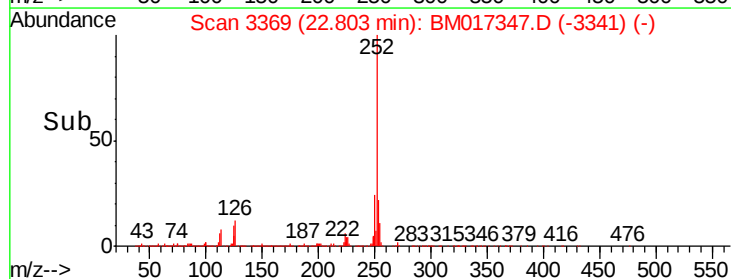
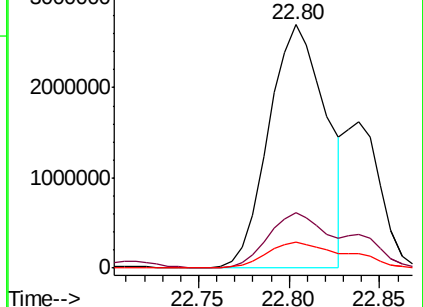
125 10.5 7.8 11.6

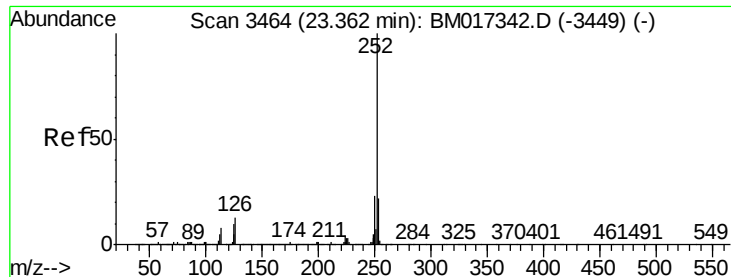


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 17.464 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL

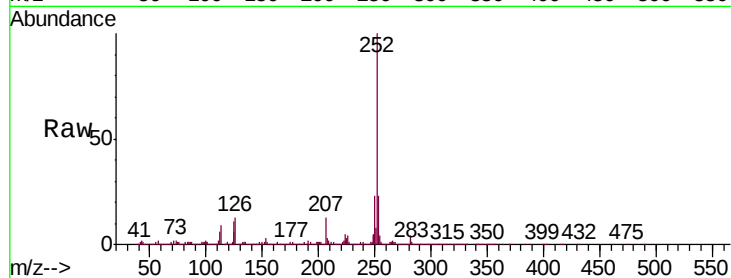
Tgt Ion:252 Resp: 2167736

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

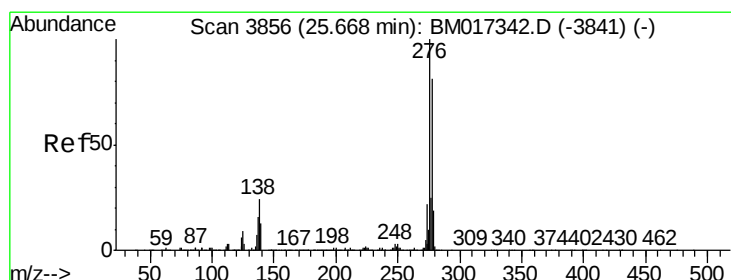
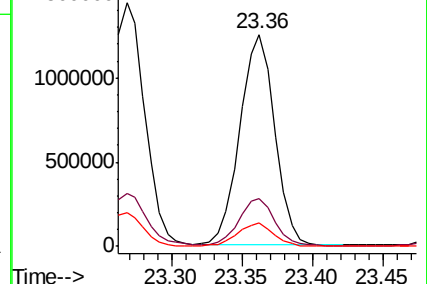
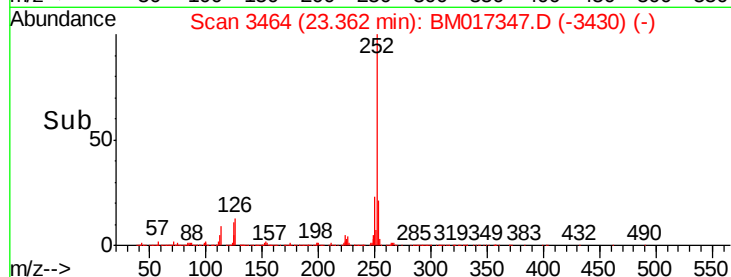
125 11.0 8.3 12.5



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: 11.247 ng/ul

RT: 25.66 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

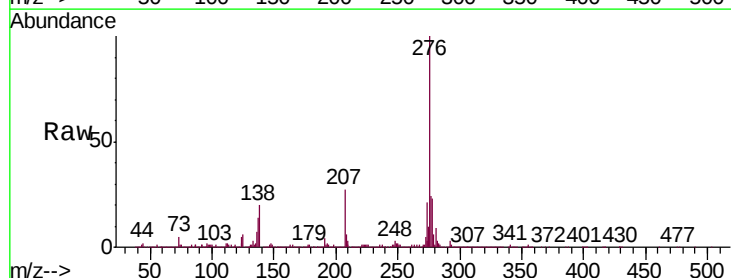
Tgt Ion:276 Resp: 1698643

Ion Ratio Lower Upper

276 100

138 19.7 18.1 27.1

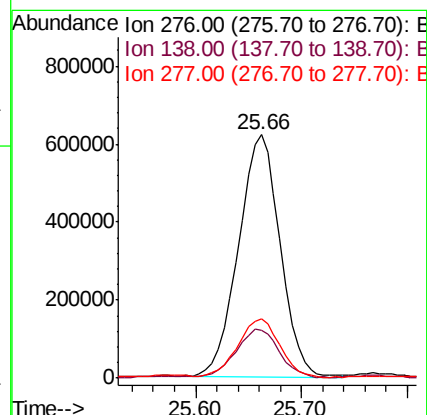
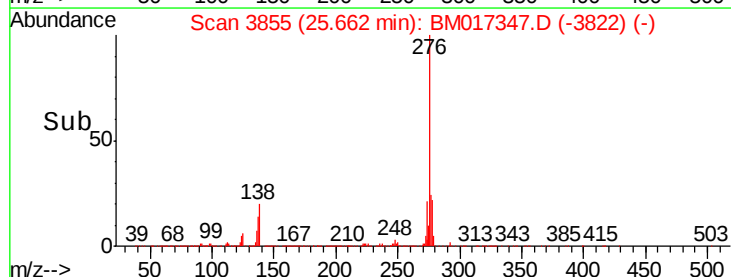
277 24.5 19.6 29.4

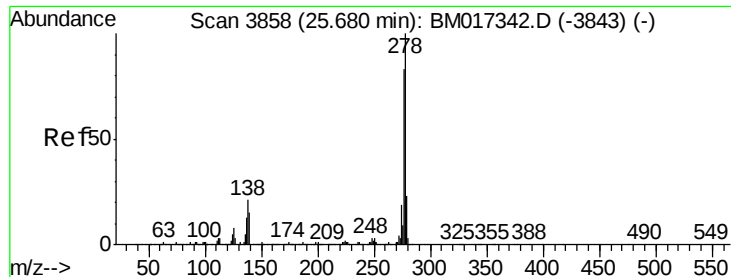


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.594 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL

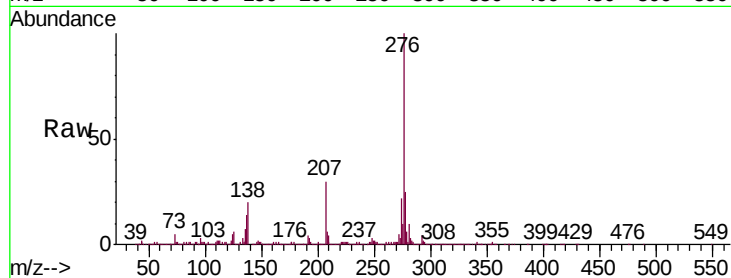
Tgt Ion:278 Resp: 453235

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

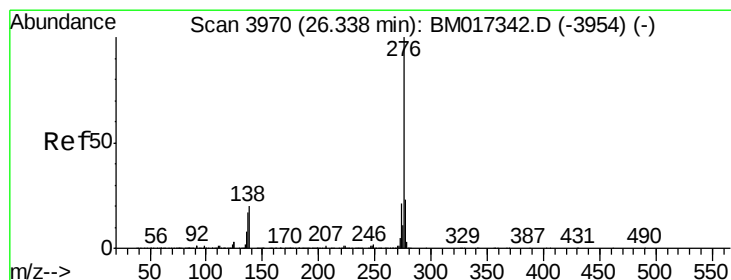
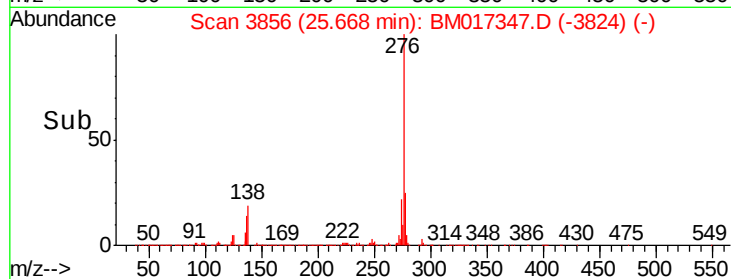
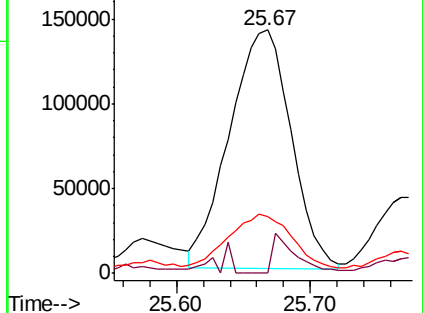
279 23.3 19.0 28.4



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: 9.194 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

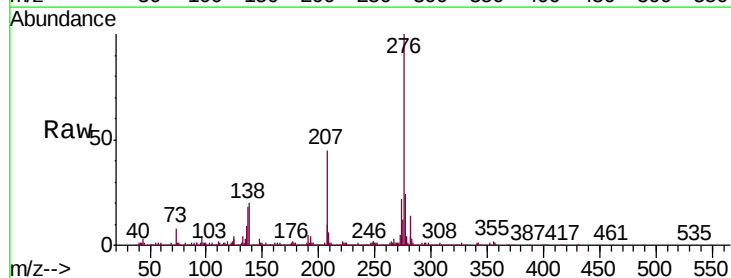
Tgt Ion:276 Resp: 1179655

Ion Ratio Lower Upper

276 100

138 20.4 16.6 25.0

277 24.1 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

