

Data File : BM017346.D
Acq On : 25 Oct 2018 16:23
Operator : MJ/SJ
Sample : J5598-08DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD9DL

Quant Time: Oct 26 01:16:40 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	7.65	152	311121	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1492951	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	901576	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2127836	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2458536	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2475664	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	9644	1.43	ng/uL	0.00
5) Phenol-d5	6.83	99	235566	8.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	141216	8.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	191330	8.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	175460	7.81	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	96127	8.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	109531	8.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	196688	8.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	201652	10.16	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	656794	8.49	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	806721	8.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	77670	5.38	ng/ul	0.02
58) Fluorene-d10	15.29	176	588105	8.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	91518	6.17	ng/ul	0.00
71) Anthracene-d10	17.14	188	922919	8.76	ng/ul	0.00
79) Pyrene-d10	19.45	212	1091247	9.58	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	1197637	9.16	ng/ul	0.00

Target Compounds

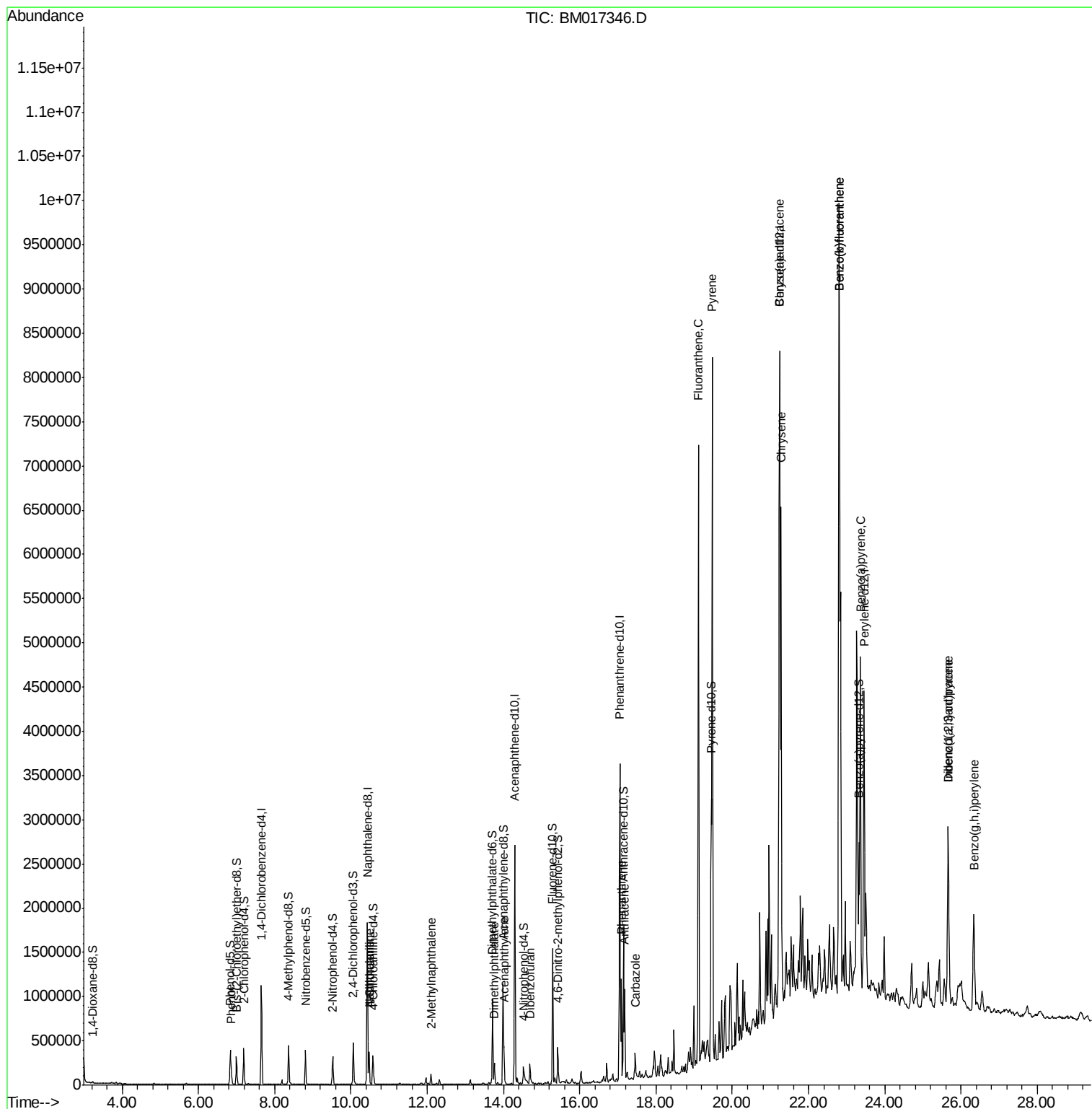
					Qvalue
6) Phenol	6.86	94	72237	2.560 ng/ul	97
28) Naphthalene	10.47	128	290159	3.715 ng/ul	99
30) 4-Chloroaniline	10.48	127	36871	1.818 ng/ul#	23
34) 2-Methylnaphthalene	12.10	142	63662	1.109 ng/ul	99
45) Dimethylphthalate	13.76	163	152762	2.039 ng/ul	97
48) Acenaphthylene	14.02	152	284911	3.234 ng/ul	100
54) Dibenzofuran	14.70	168	142975	1.600 ng/ul	96
70) Phenanthrene	17.09	178	710209	5.812 ng/ul	98
72) Anthracene	17.18	178	605987	4.883 ng/ul	99
75) Carbazole	17.46	167	173040	1.595 ng/ul	100
77) Fluoranthene	19.12	202	4222639	30.149 ng/ul	99
80) Pyrene	19.48	202	4742719	33.220 ng/ul	99
83) Benzo(a)anthracene	21.23	228	3042599	20.223 ng/ul	95
85) Chrysene	21.28	228	3561359	24.894 ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	7327294	50.563 ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	7327294	51.763 ng/ul	98
91) Benzo(a)pyrene	23.36	252	2474332	17.477 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.66	276	1957564	11.364 ng/ul	97
93) Dibenzo(a,h)anthracene	25.67	278	529021	3.678 ng/ul#	85
94) Benzo(g,h,i)perylene	26.34	276	1339374	9.153 ng/ul	99

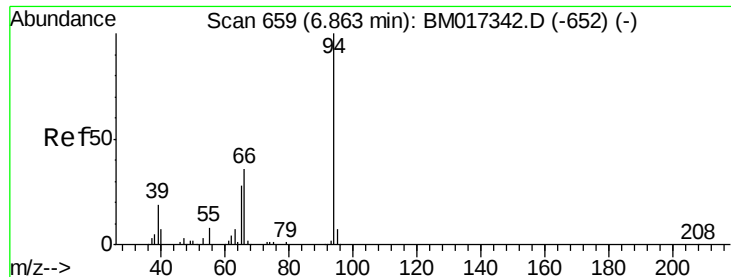
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.560 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

BNA_M

ClientSampleId :

C0AD9DL

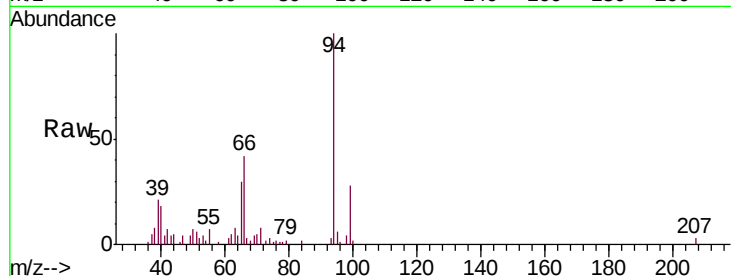
Tgt Ion: 94 Resp: 72237

Ion Ratio Lower Upper

94 100

65 29.7 24.0 36.0

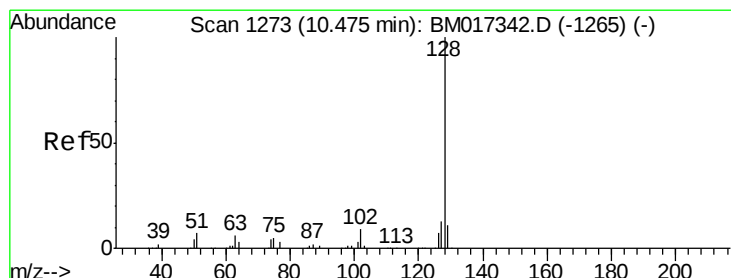
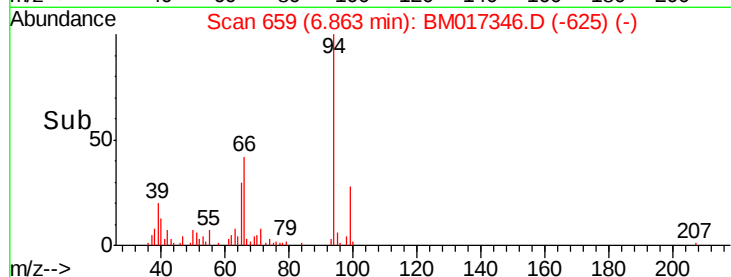
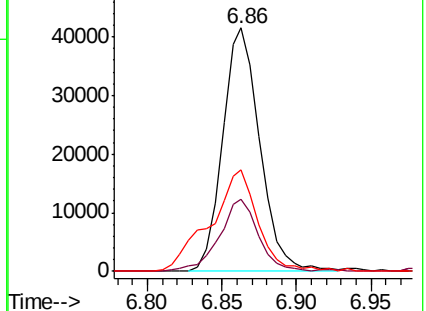
66 41.7 31.1 46.7



Abundance Ion 94.00 (93.70 to 94.70): BM017346.D (-625) (-)

Ion 65.00 (64.70 to 65.70): BM017346.D (-625) (-)

Ion 66.00 (65.70 to 66.70): BM017346.D (-625) (-)



#28

Naphthalene

Concen: 3.715 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

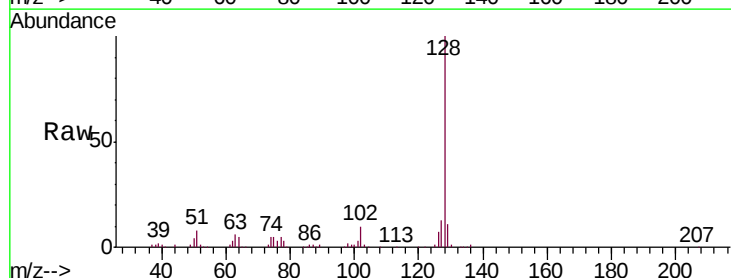
Tgt Ion: 128 Resp: 290159

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

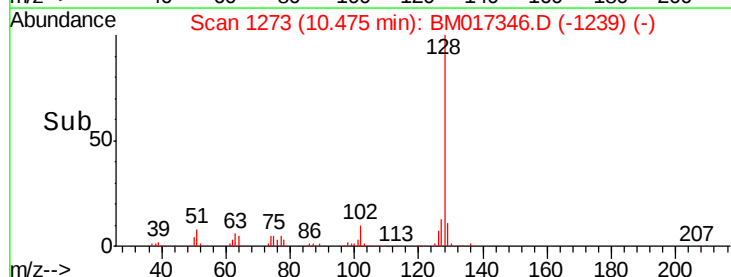
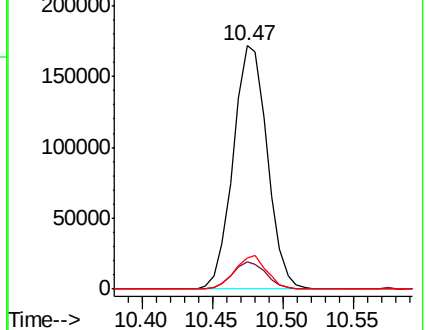
127 12.8 10.3 15.5

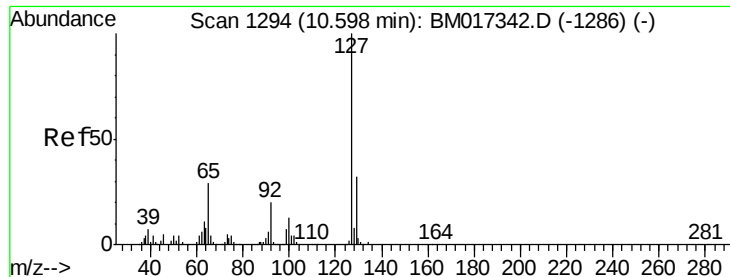


Abundance Ion 128.00 (127.70 to 128.70): BM017346.D (-1239) (-)

Ion 129.00 (128.70 to 129.70): BM017346.D (-1239) (-)

Ion 127.00 (126.70 to 127.70): BM017346.D (-1239) (-)

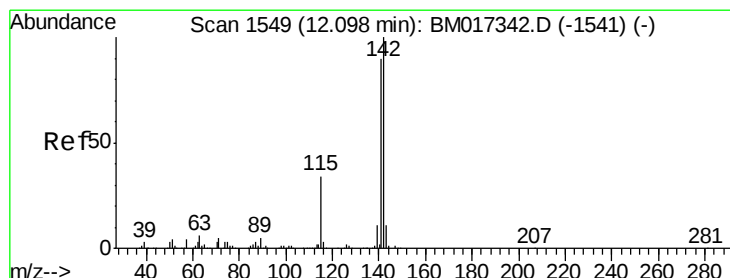
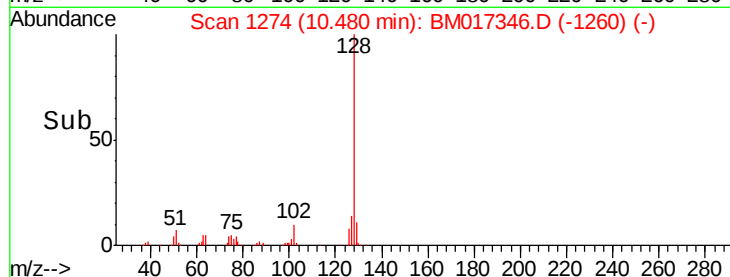
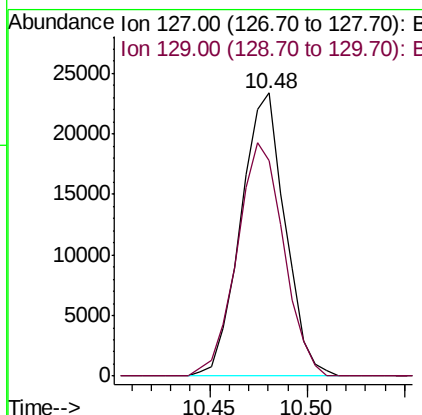
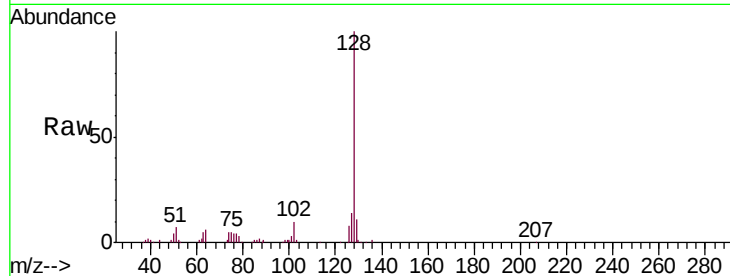




#30
 4-Chloroaniline
 Concen: 1.818 ng/ul
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.12 min
 Lab File: BM017346.D
 Acq: 25 Oct 2018 16:23

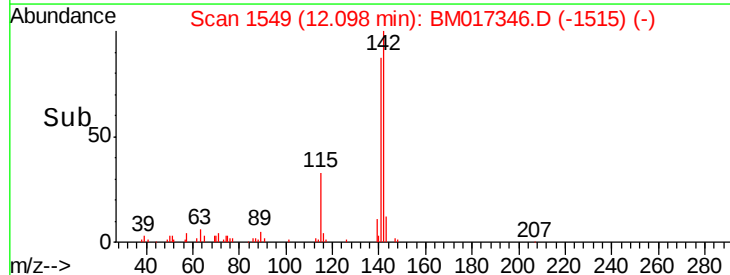
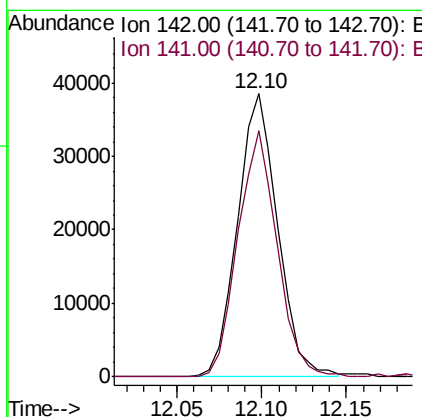
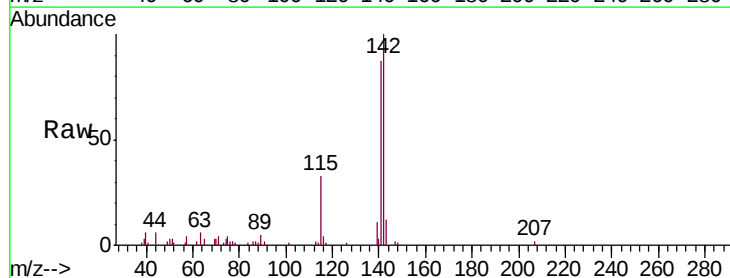
Instrument :
 BNA_M
 ClientSampleId :
 C0AD9DL

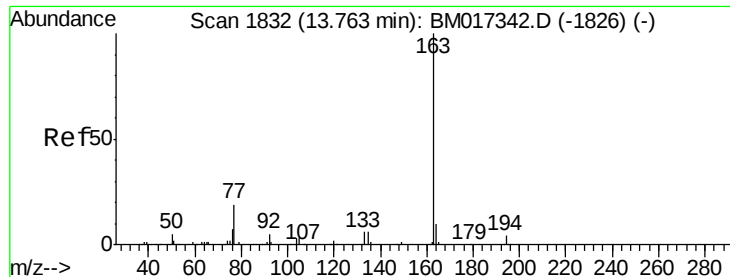
Tgt Ion:127 Resp: 36871
 Ion Ratio Lower Upper
 127 100
 129 76.1 26.2 39.4#



#34
 2-Methylnaphthalene
 Concen: 1.109 ng/ul
 RT: 12.10 min Scan# 1549
 Delta R.T. -0.00 min
 Lab File: BM017346.D
 Acq: 25 Oct 2018 16:23

Tgt Ion:142 Resp: 63662
 Ion Ratio Lower Upper
 142 100
 141 87.2 70.4 105.6





#45

Dimethylphthalate

Concen: 2.039 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

BNA_M

ClientSampleId :

C0AD9DL

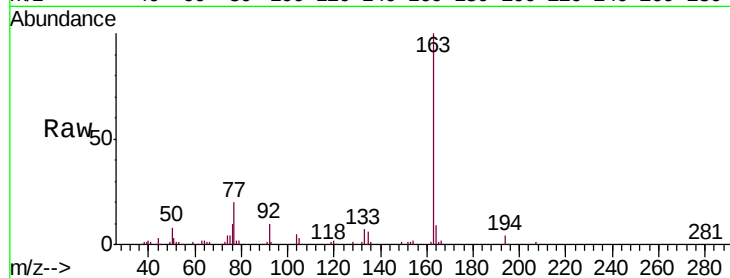
Tgt Ion:163 Resp: 152762

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

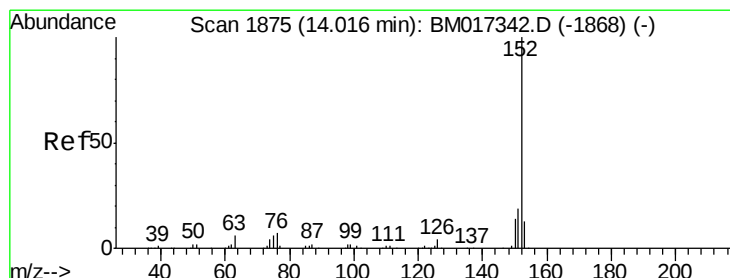
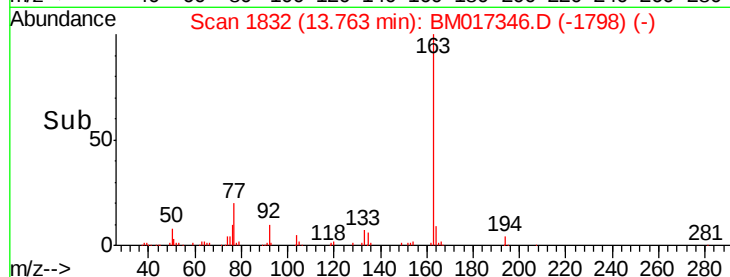
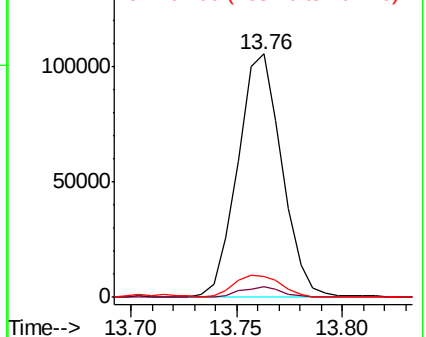
164 8.7 8.1 12.1



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: 3.234 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

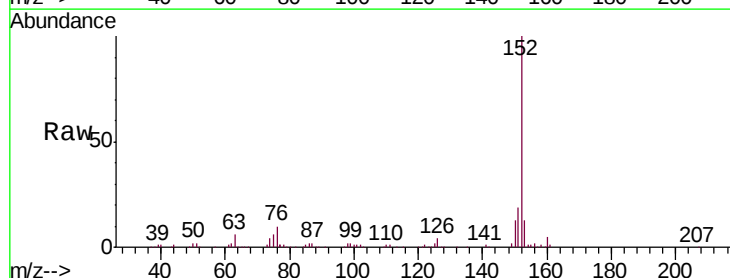
Tgt Ion:152 Resp: 284911

Ion Ratio Lower Upper

152 100

151 19.1 15.3 22.9

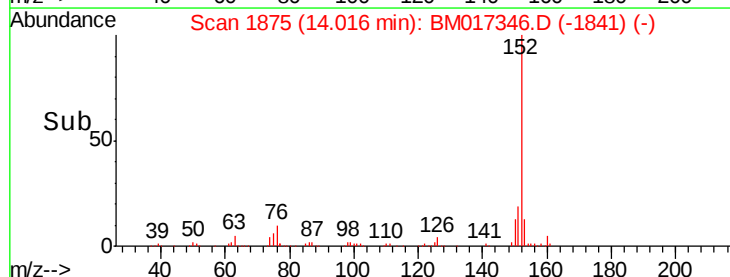
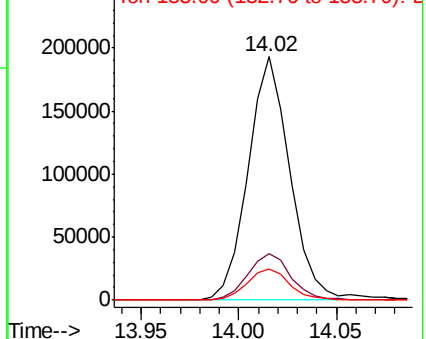
153 13.0 10.2 15.4

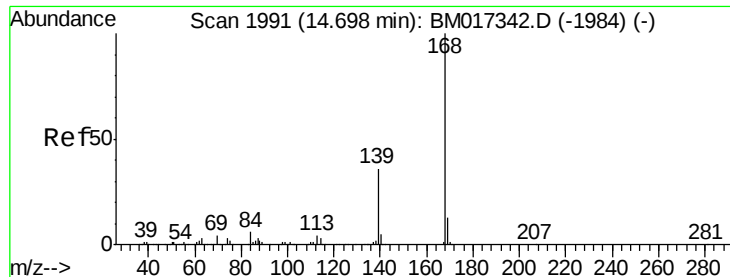


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#54

Dibenzenofuran

Concen: 1.600 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

BNA_M

ClientSampleId :

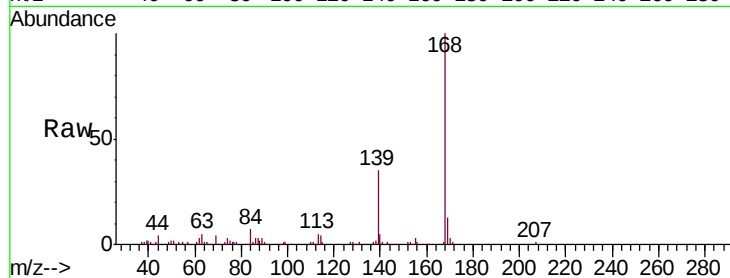
C0AD9DL

Tgt Ion:168 Resp: 142975

Ion Ratio Lower Upper

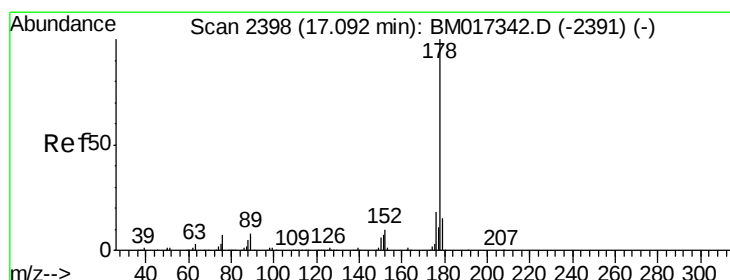
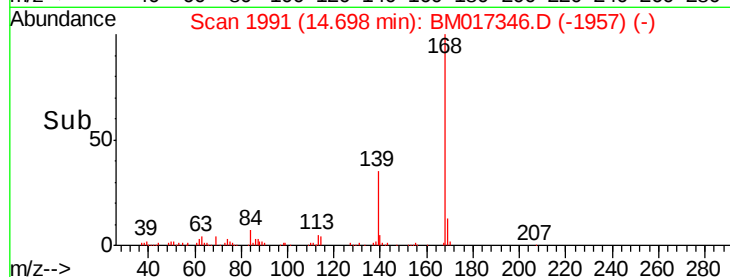
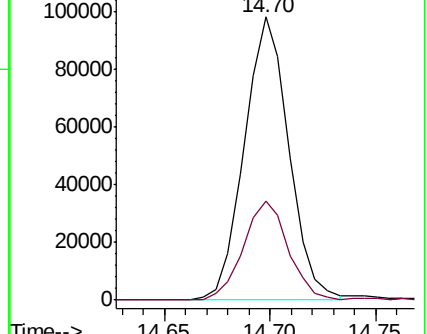
168 100

139 35.0 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: 5.812 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

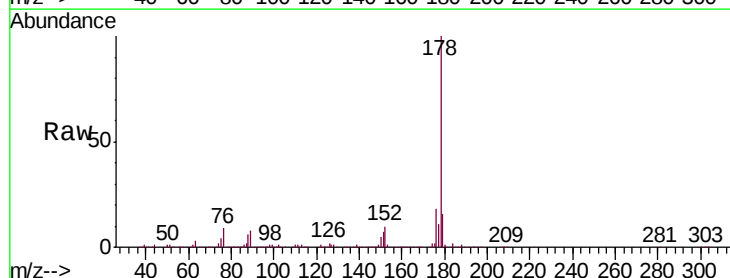
Tgt Ion:178 Resp: 710209

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

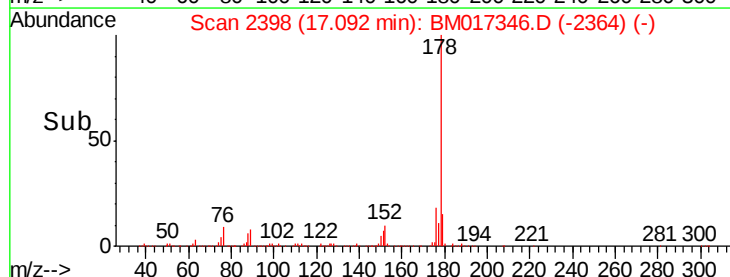
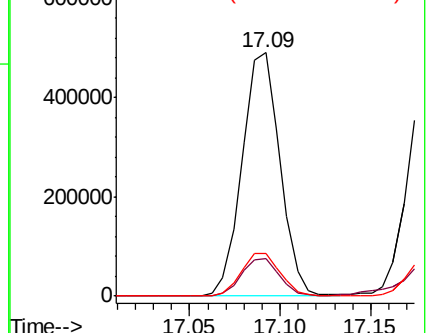
176 17.6 14.9 22.3

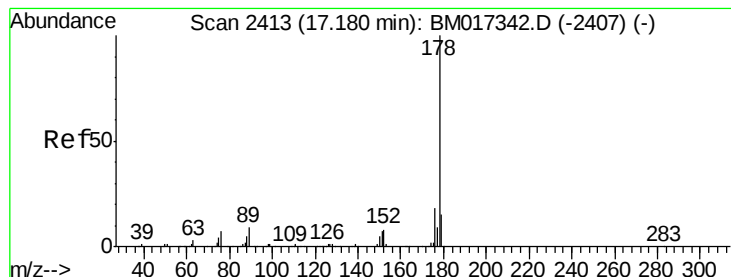


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.883 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

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ClientSampleId :

C0AD9DL

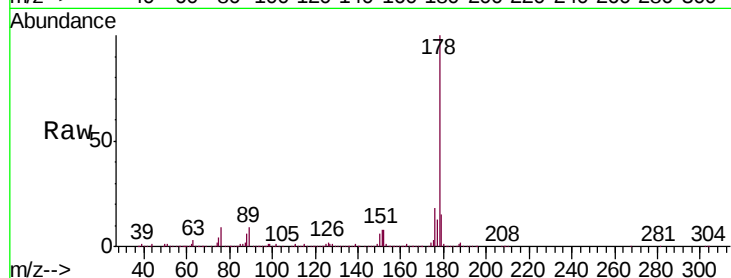
Tgt Ion:178 Resp: 605987

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

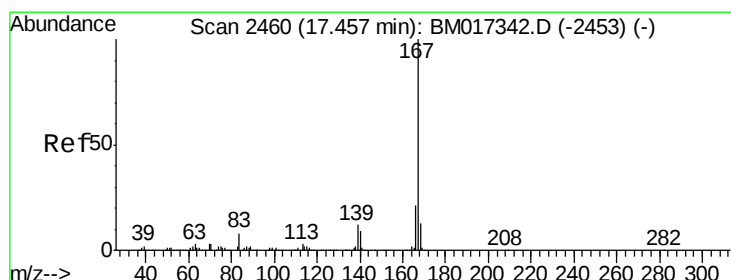
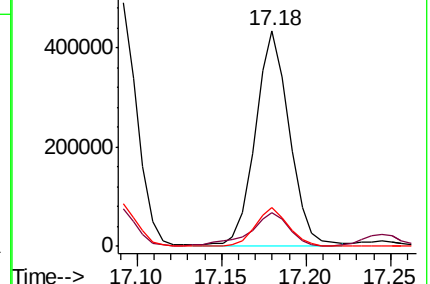
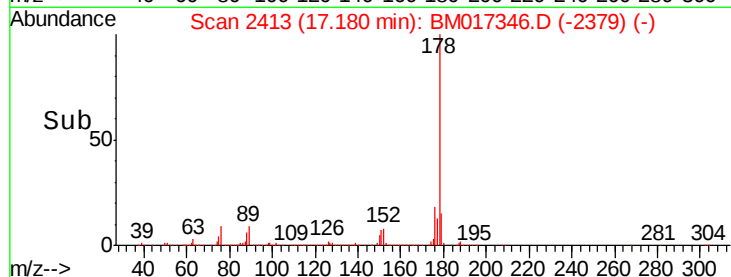
176 18.0 14.2 21.2



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: 1.595 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

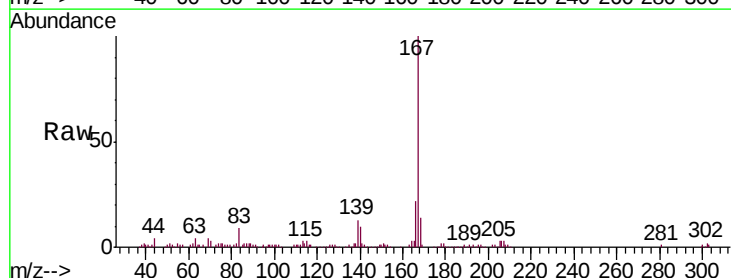
Tgt Ion:167 Resp: 173040

Ion Ratio Lower Upper

167 100

166 21.8 17.5 26.3

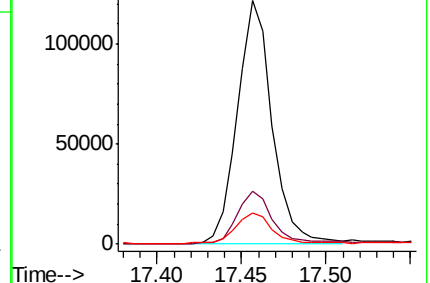
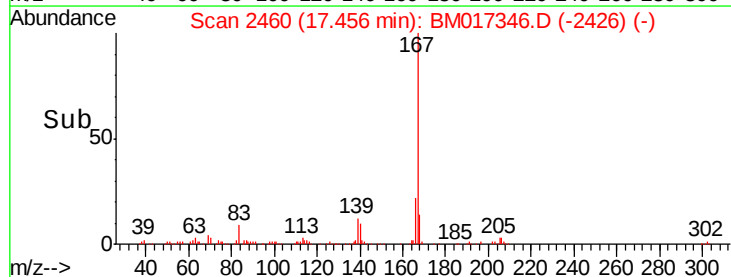
139 12.9 10.0 15.0

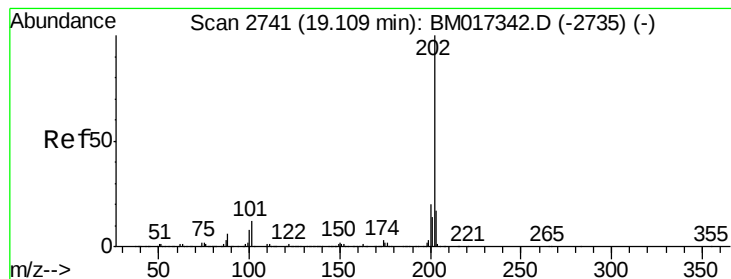


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 30.149 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

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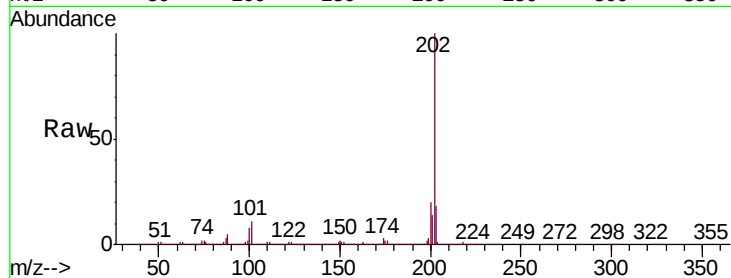
Tgt Ion:202 Resp: 4222639

Ion Ratio Lower Upper

202 100

101 10.8 8.2 12.4

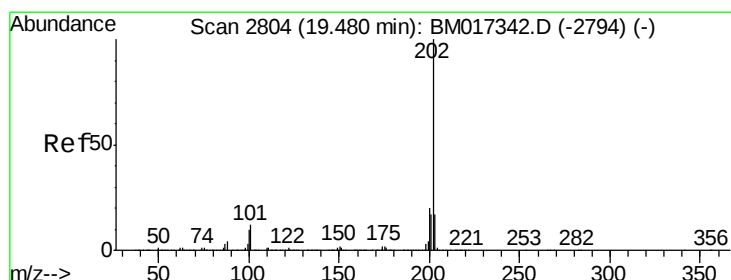
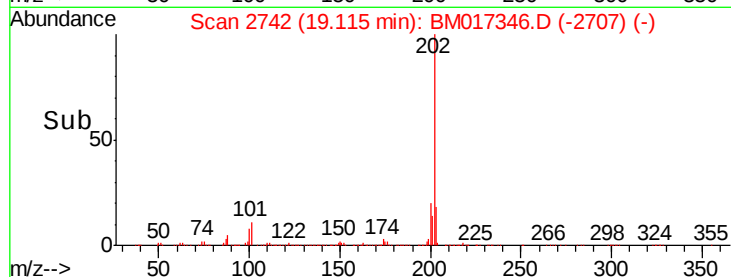
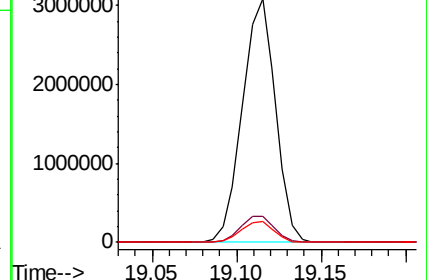
100 8.5 6.3 9.5



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: 33.220 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

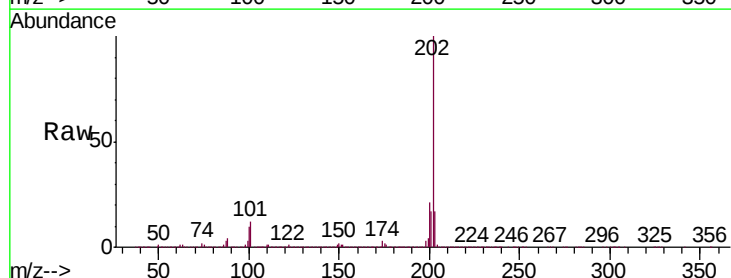
Tgt Ion:202 Resp: 4742719

Ion Ratio Lower Upper

202 100

101 12.4 9.5 14.3

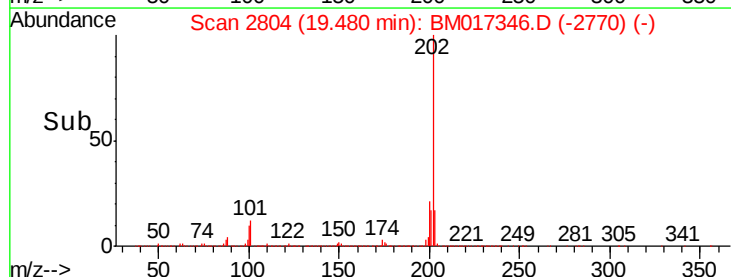
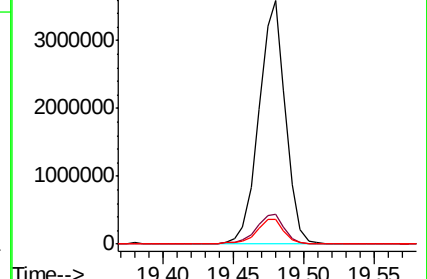
100 10.2 8.1 12.1

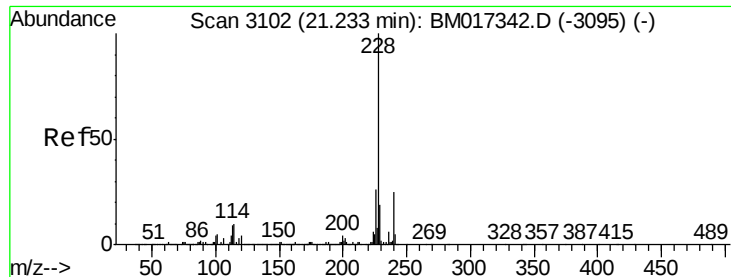


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 20.223 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

BNA_M

ClientSampled :

C0AD9DL

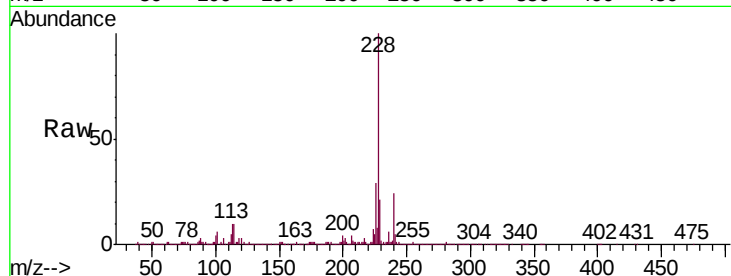
Tgt Ion:228 Resp: 3042599

Ion Ratio Lower Upper

228 100

229 20.6 15.6 23.4

226 29.5 20.8 31.2

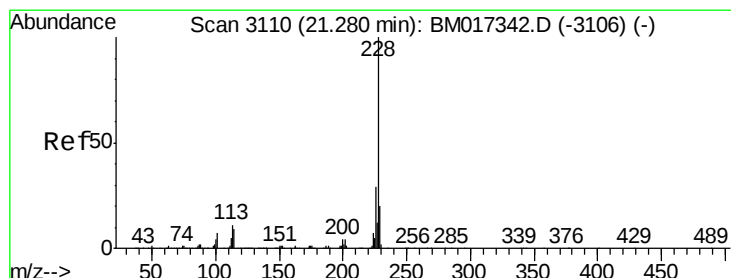
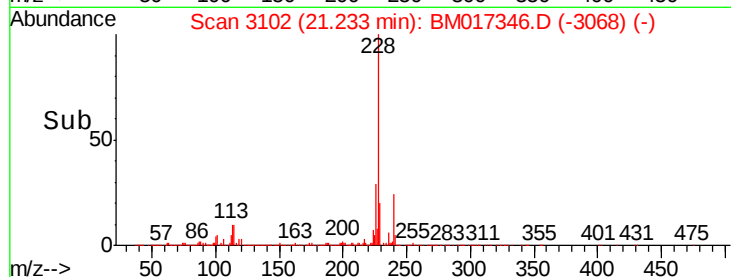
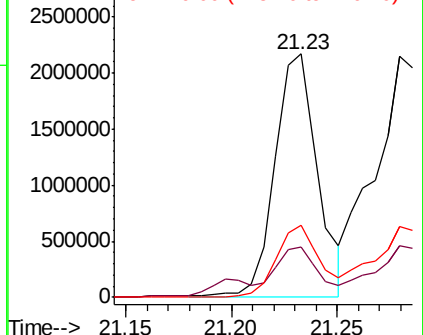


Abundance

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: 24.894 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

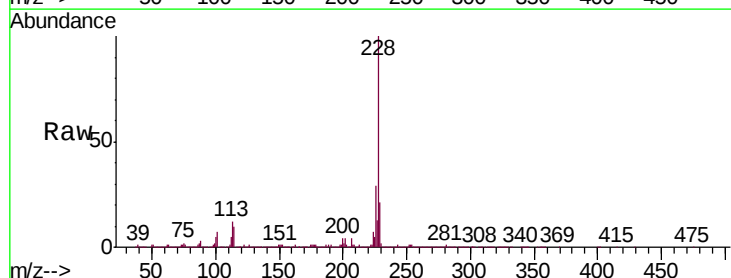
Tgt Ion:228 Resp: 3561359

Ion Ratio Lower Upper

228 100

226 29.2 23.3 34.9

229 21.3 15.6 23.4

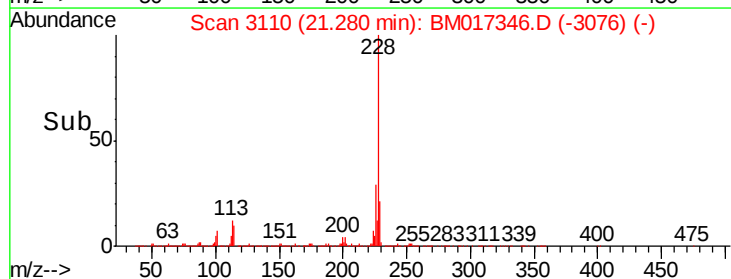
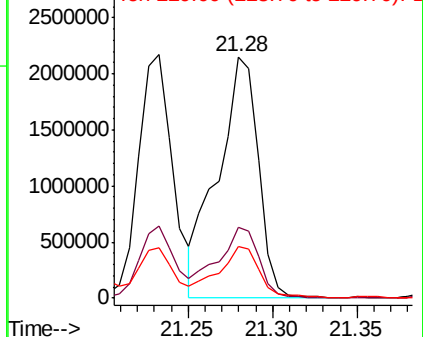


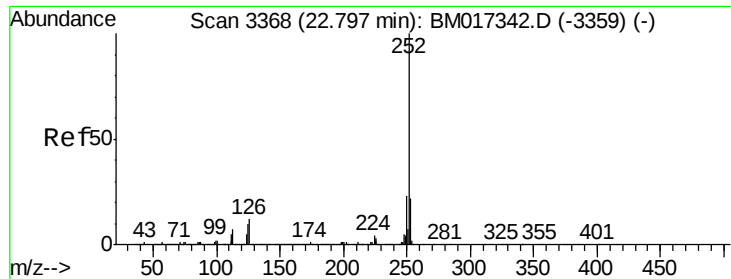
Abundance

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: 50.563 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

BNA_M

ClientSampleId :

C0AD9DL

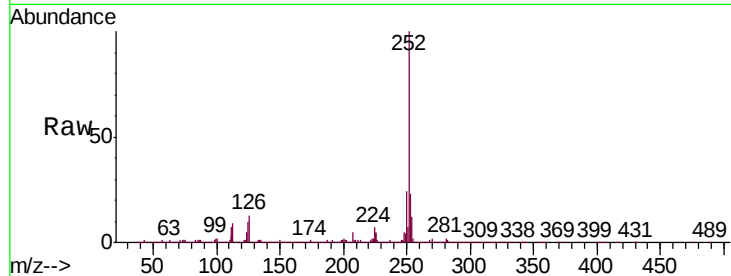
Tgt Ion:252 Resp: 7327294

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

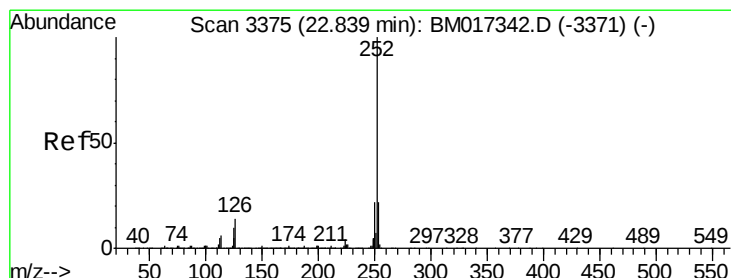
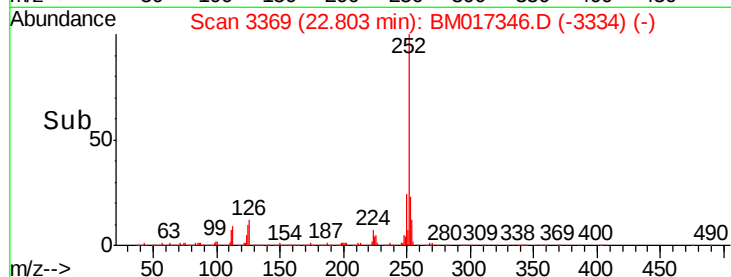
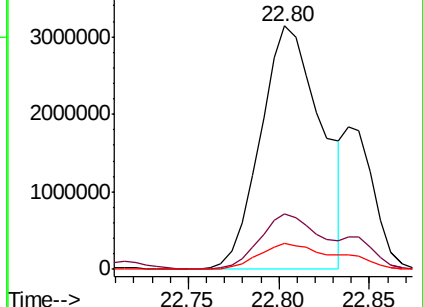
125 10.4 7.2 10.8



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: 51.763 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

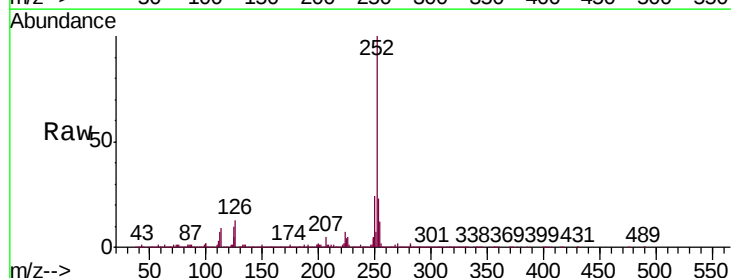
Tgt Ion:252 Resp: 7327294

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

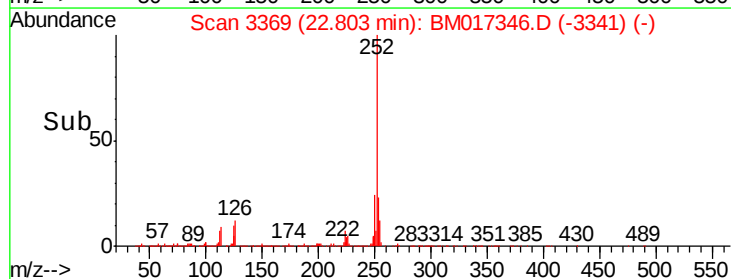
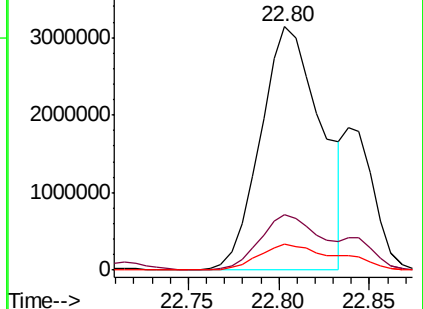
125 10.4 7.8 11.6

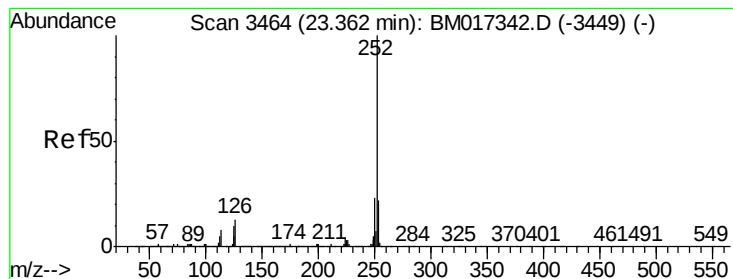


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 17.477 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

BNA_M

ClientSampleId :

C0AD9DL

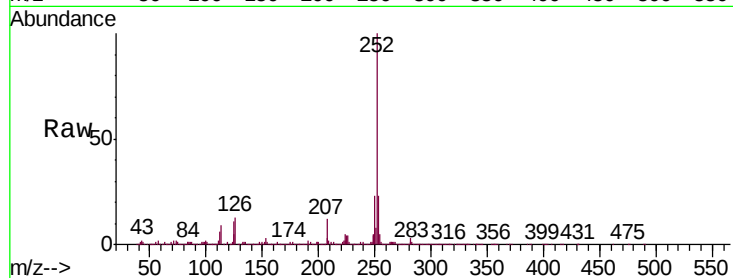
Tgt Ion:252 Resp: 2474332

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

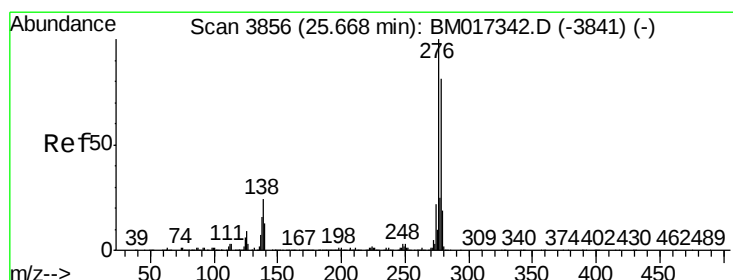
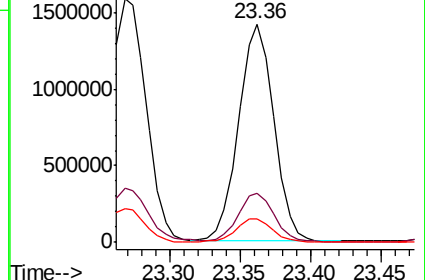
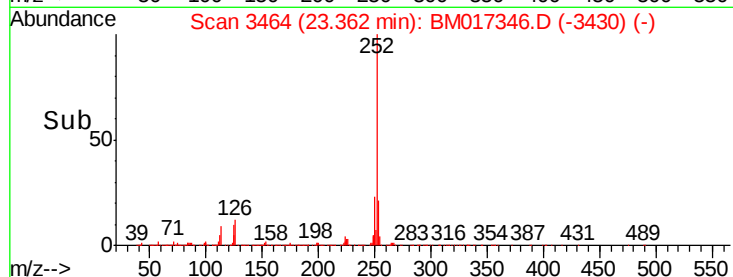
125 10.6 8.3 12.5



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: 11.364 ng/ul

RT: 25.66 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

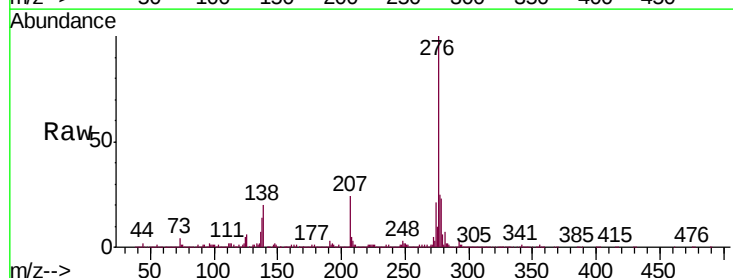
Tgt Ion:276 Resp: 1957564

Ion Ratio Lower Upper

276 100

138 19.9 18.1 27.1

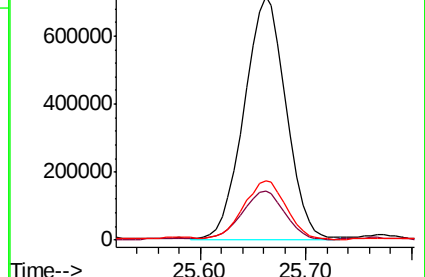
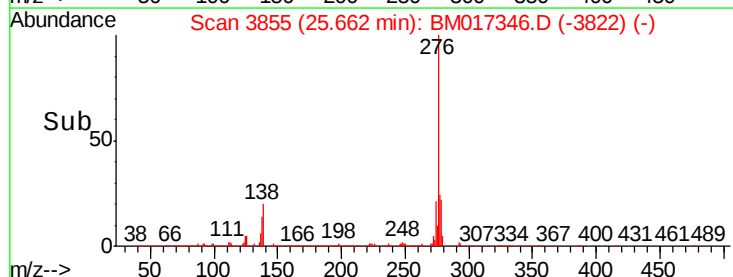
277 24.5 19.6 29.4

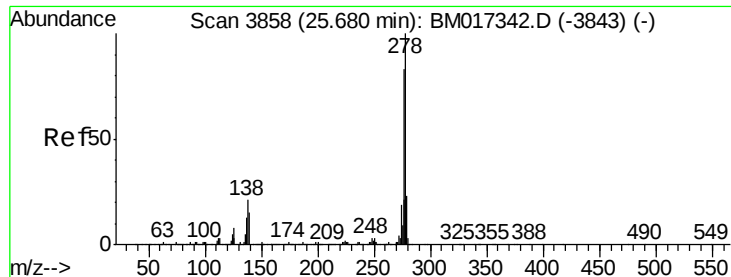


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.678 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

Instrument :

BNA_M

ClientSampleId :

C0AD9DL

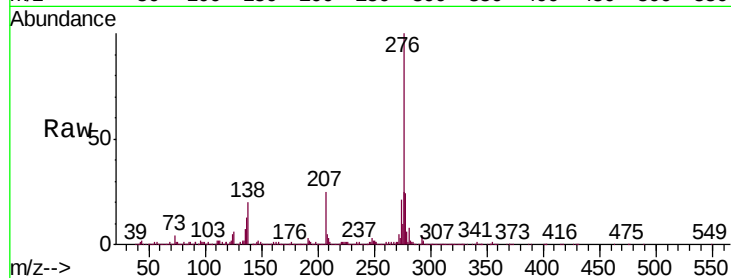
Tgt Ion:278 Resp: 529021

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

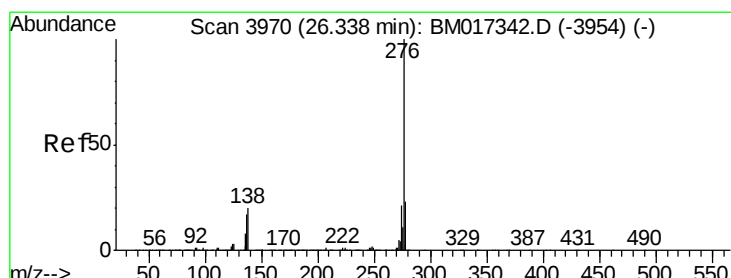
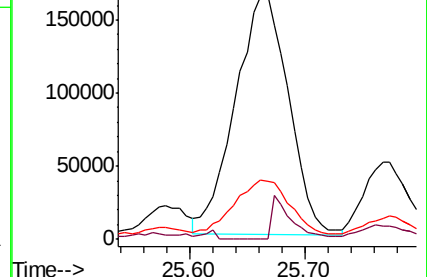
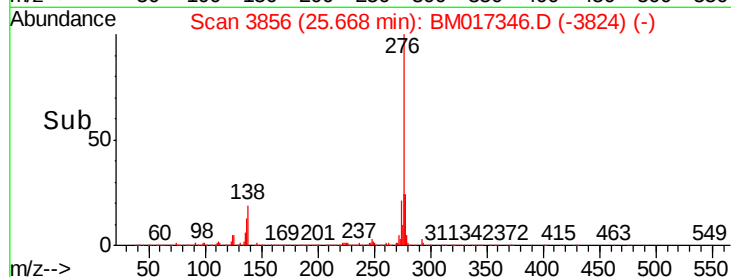
279 23.8 19.0 28.4



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: 9.153 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. -0.00 min

Lab File: BM017346.D

Acq: 25 Oct 2018 16:23

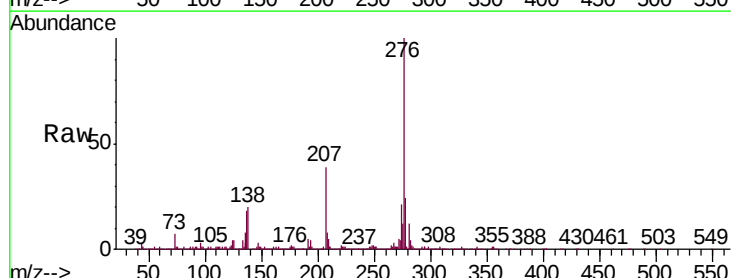
Tgt Ion:276 Resp: 1339374

Ion Ratio Lower Upper

276 100

138 19.8 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

