

Data File : BM017335.D
Acq On : 25 Oct 2018 01:57
Operator : MJ/SJ
Sample : J5598-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE0

Quant Time: Oct 25 02:43:12 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	7.65	152	321441	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1467408	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	863641	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1991538	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	2250790	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2168022	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	23062	3.30	ng/uL	0.00
5) Phenol-d5	6.83	99	581923	19.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	346251	20.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	482915	21.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	467892	20.15	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	239877	20.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	275394	21.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	485282	20.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	538249	27.60	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1535935	20.74	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1922955	21.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	223285	16.14	ng/ul	0.00
58) Fluorene-d10	15.29	176	1345626	20.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	235523	16.97	ng/ul	0.00
71) Anthracene-d10	17.14	188	2096558	21.27	ng/ul	0.00
79) Pyrene-d10	19.45	212	2382064	22.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2506705	21.89	ng/ul	0.00

Target Compounds

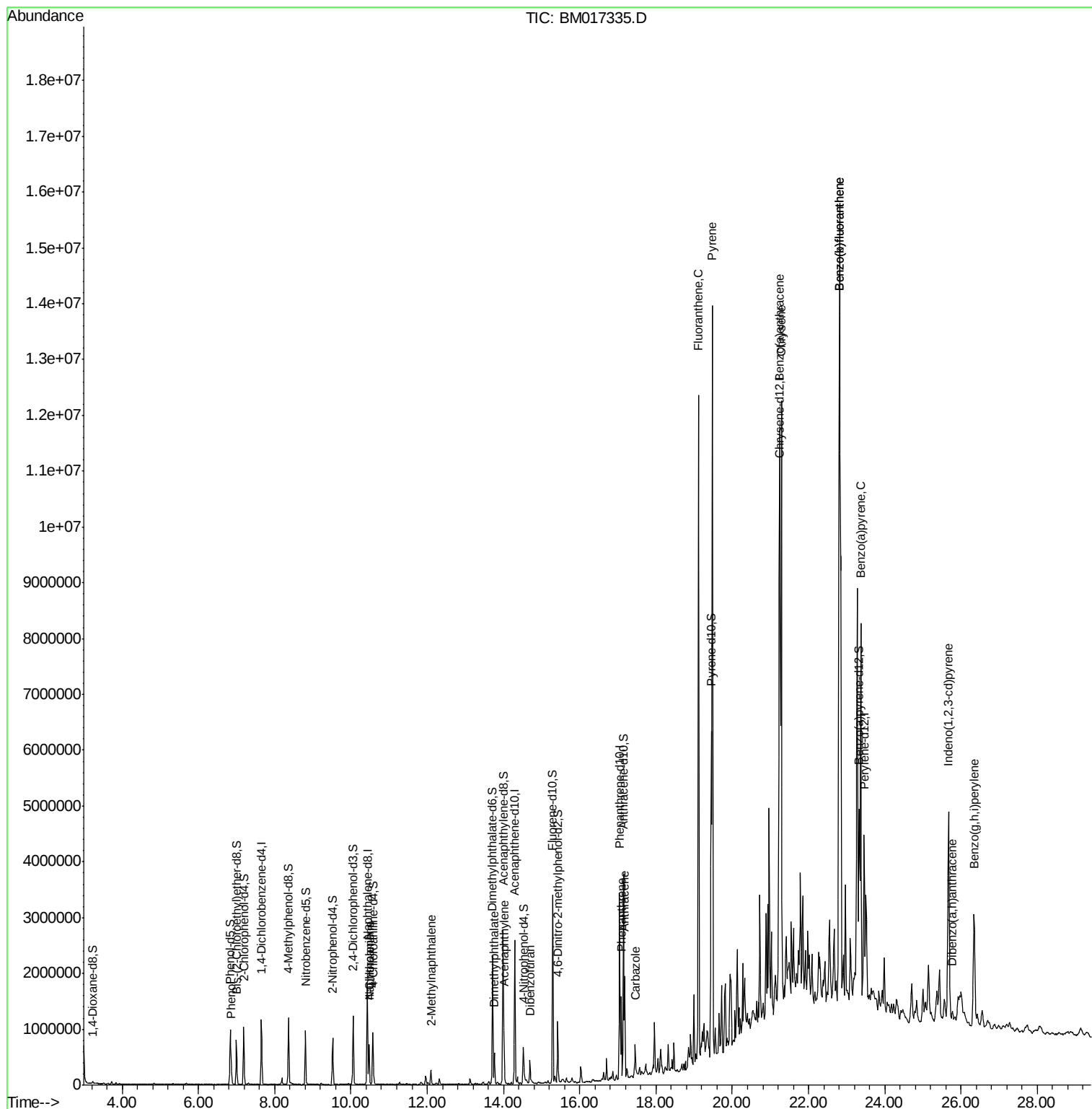
					Qvalue
6) Phenol	6.86	94	161789	5.549 ng/ul	97
28) Naphthalene	10.47	128	579702	7.552 ng/ul	99
30) 4-Chloroaniline	10.48	127	74358	3.730 ng/ul#	2
34) 2-Methylnaphthalene	12.10	142	125358	2.222 ng/ul	98
45) Dimethylphthalate	13.76	163	352312	4.910 ng/ul	99
48) Acenaphthylene	14.02	152	682652	8.089 ng/ul	98
54) Dibenzofuran	14.70	168	247769	2.894 ng/ul	98
70) Phenanthrene	17.09	178	866675	7.578 ng/ul	99
72) Anthracene	17.18	178	1084755	9.339 ng/ul	100
75) Carbazole	17.46	167	330166	3.251 ng/ul	99
77) Fluoranthene	19.12	202	6883989	52.514 ng/ul	98
80) Pyrene	19.48	202	7627792	58.360 ng/ul	97
83) Benzo(a)anthracene	21.23	228	5169944	37.535 ng/ul	95
85) Chrysene	21.29	228	6400335	48.867 ng/ul	98
88) Benzo(b)fluoranthene	22.81	252	12677672	99.898 ng/ul#	97
89) Benzo(k)fluoranthene	22.81	252	12677672	102.270 ng/ul	98
91) Benzo(a)pyrene	23.37	252	4470552	36.059 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.67	276	3499051	23.196 ng/ul	98
93) Dibenzo(a,h)anthracene	25.77	278	260761	2.070 ng/ul	94
94) Benzo(g,h,i)perylene	26.34	276	2461715	19.210 ng/ul	99

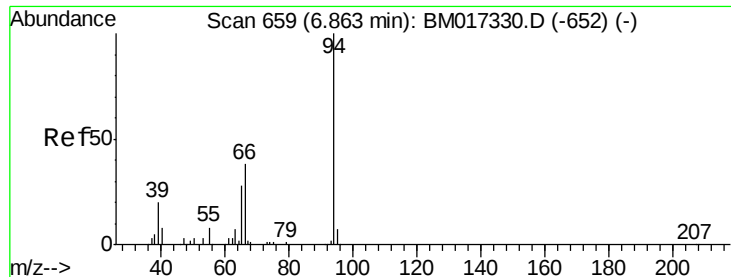
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.549 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

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Acq: 25 Oct 2018 01:57

Instrument :

BNA_M

ClientSampleId :

C0AE0

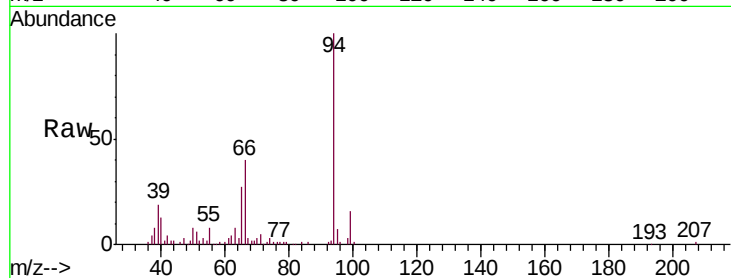
Tgt Ion: 94 Resp: 161789

Ion Ratio Lower Upper

94 100

65 27.2 24.0 36.0

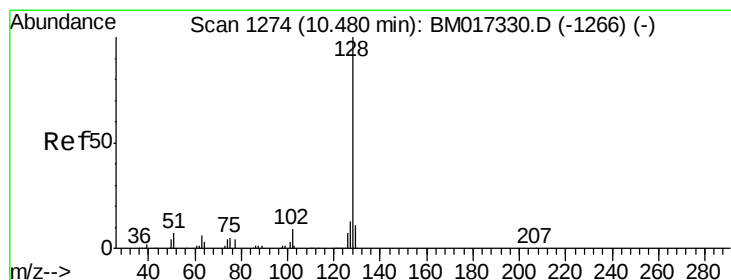
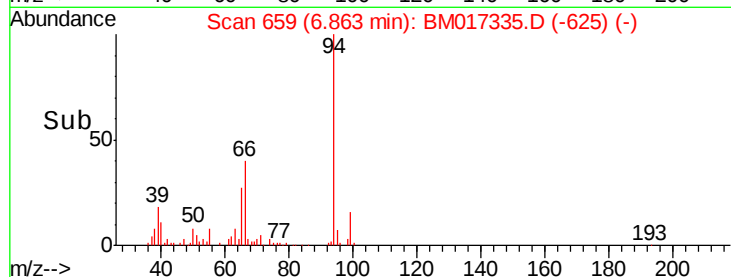
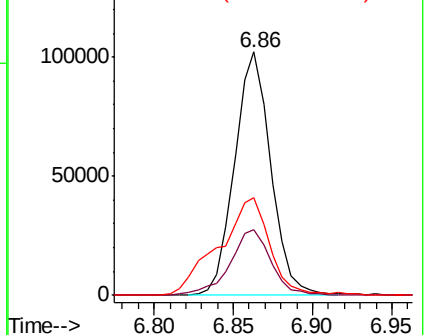
66 40.1 31.1 46.7



Abundance Ion 94.00 (93.70 to 94.70): BM017335.D (-625) (-)

Ion 65.00 (64.70 to 65.70): BM017335.D (-625) (-)

Ion 66.00 (65.70 to 66.70): BM017335.D (-625) (-)



#28

Naphthalene

Concen: 7.552 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

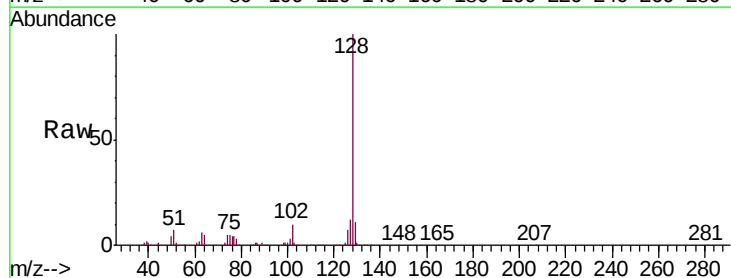
Tgt Ion: 128 Resp: 579702

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

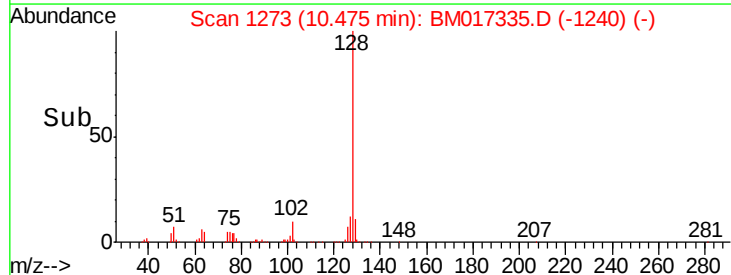
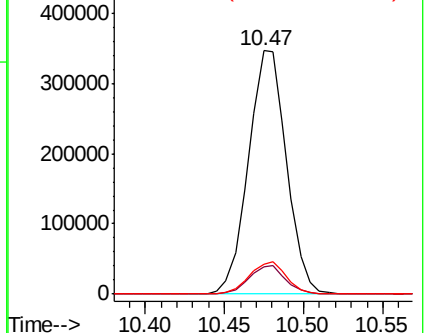
127 12.3 10.3 15.5

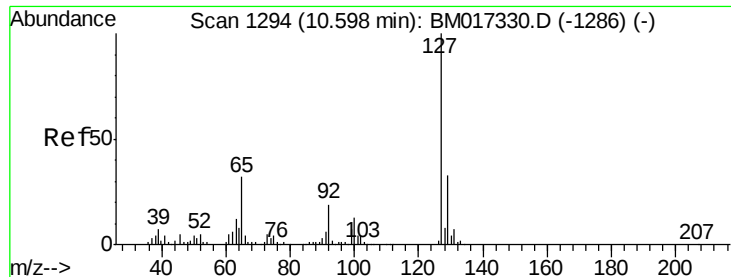


Abundance Ion 128.00 (127.70 to 128.70): BM017335.D (-1240) (-)

Ion 129.00 (128.70 to 129.70): BM017335.D (-1240) (-)

Ion 127.00 (126.70 to 127.70): BM017335.D (-1240) (-)

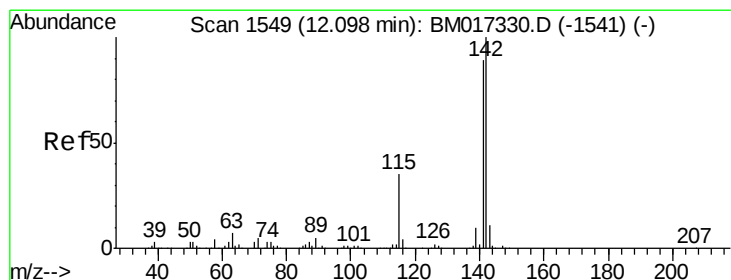
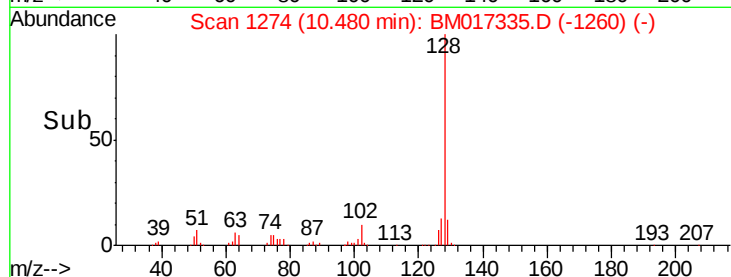
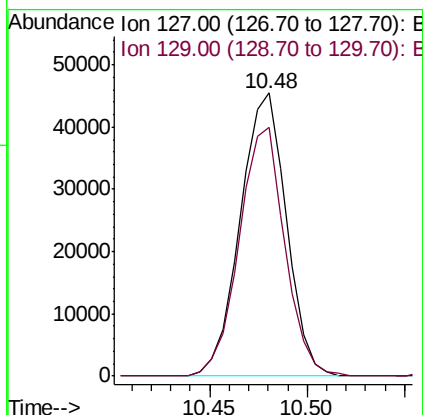
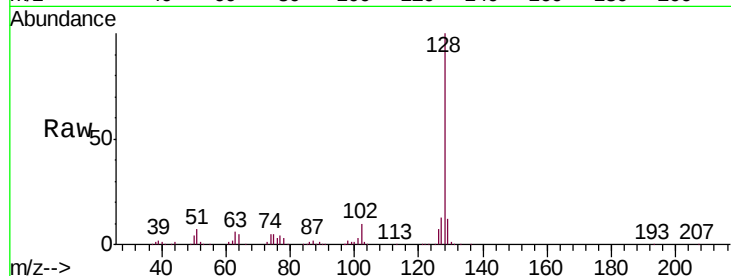




#30
4-Chloroaniline
Concen: 3.730 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.12 min
Lab File: BM017335.D
Acq: 25 Oct 2018 01:57

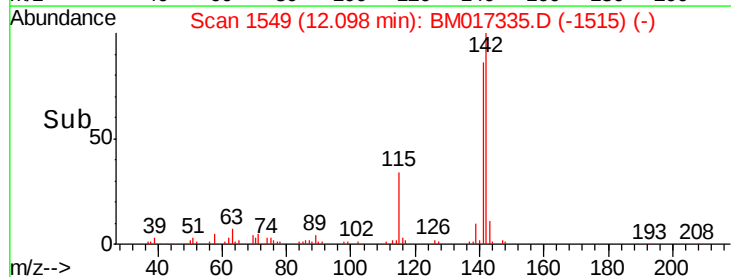
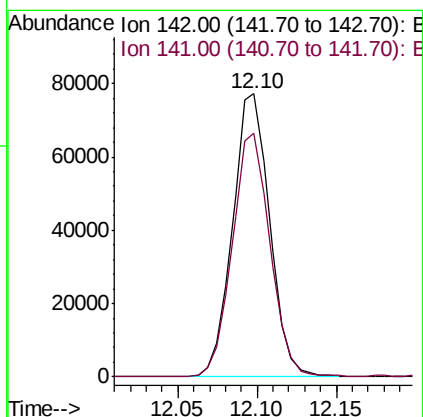
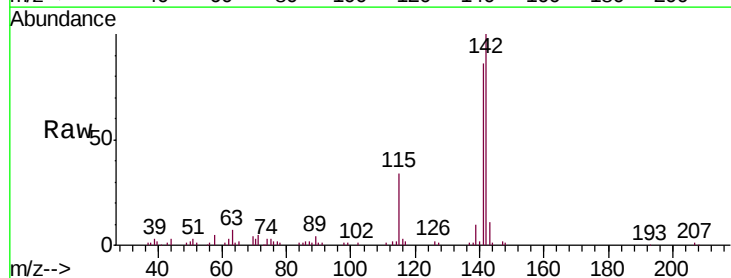
Instrument :
BNA_M
ClientSampleId :
C0AE0

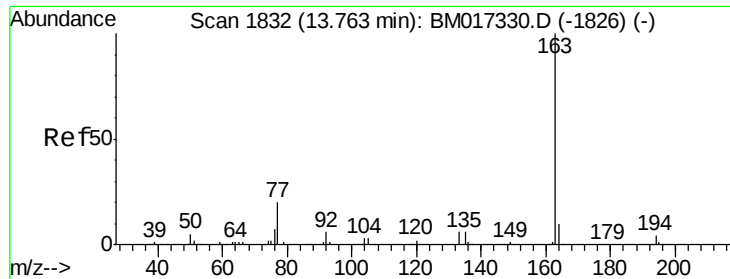
Tgt Ion:127 Resp: 74358
Ion Ratio Lower Upper
127 100
129 88.0 26.2 39.4#



#34
2-Methylnaphthalene
Concen: 2.222 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM017335.D
Acq: 25 Oct 2018 01:57

Tgt Ion:142 Resp: 125358
Ion Ratio Lower Upper
142 100
141 86.0 70.4 105.6





#45

Dimethylphthalate

Concen: 4.910 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

Instrument :

BNA_M

ClientSampleId :

C0AE0

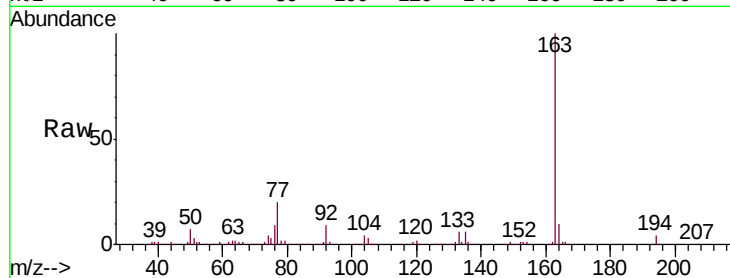
Tgt Ion:163 Resp: 352312

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

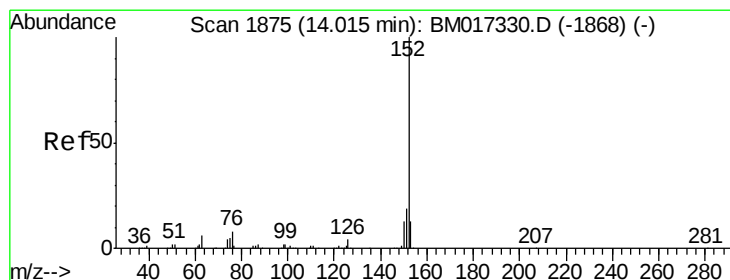
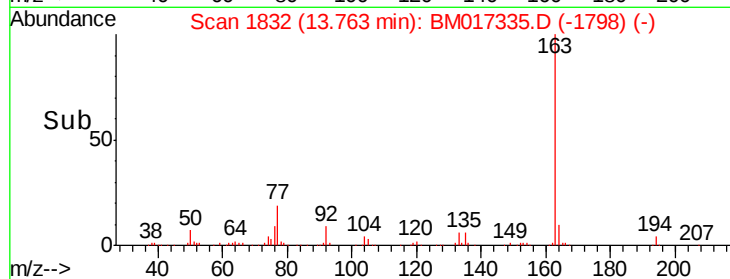
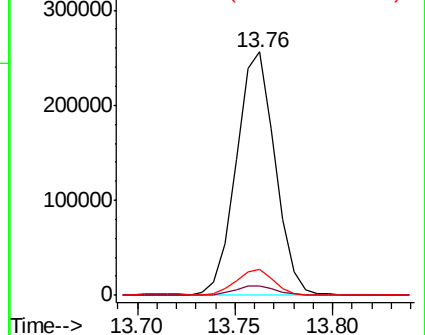
164 10.5 8.1 12.1



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: 8.089 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

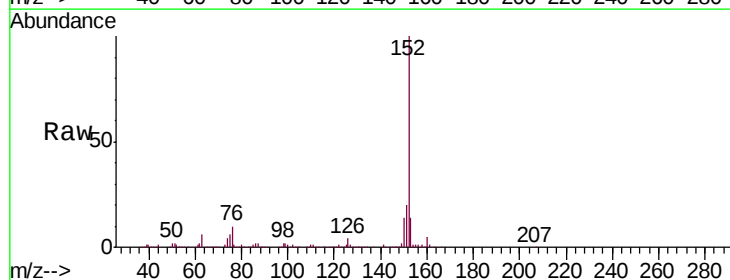
Tgt Ion:152 Resp: 682652

Ion Ratio Lower Upper

152 100

151 20.0 15.3 22.9

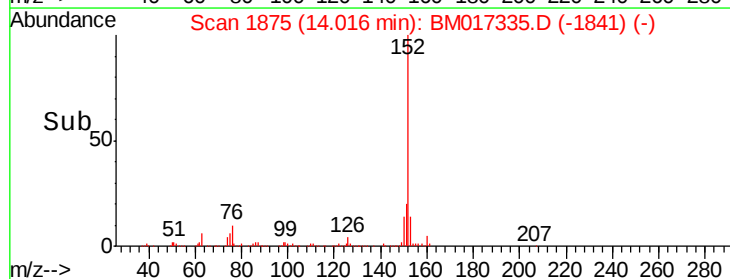
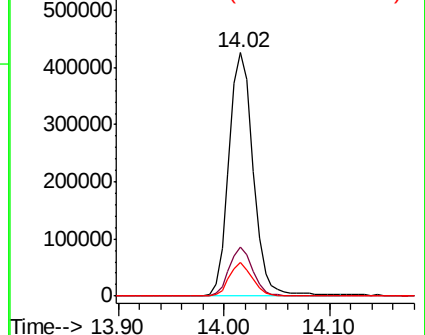
153 13.8 10.2 15.4

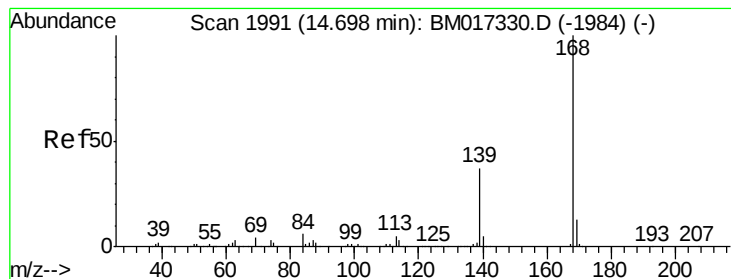


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#54

Dibenzenofuran

Concen: 2.894 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

Instrument :

BNA_M

ClientSampleId :

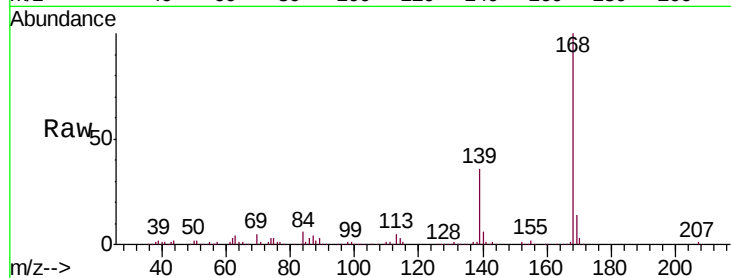
C0AE0

Tgt Ion:168 Resp: 247769

Ion Ratio Lower Upper

168 100

139 36.3 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

200000

150000

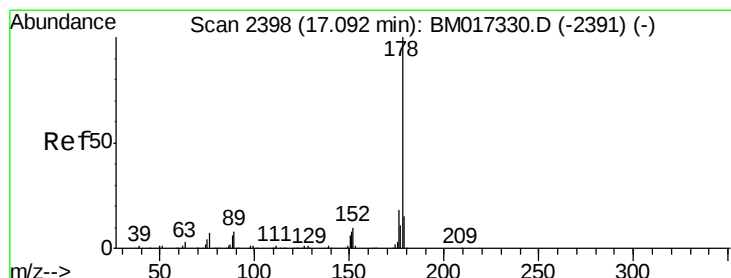
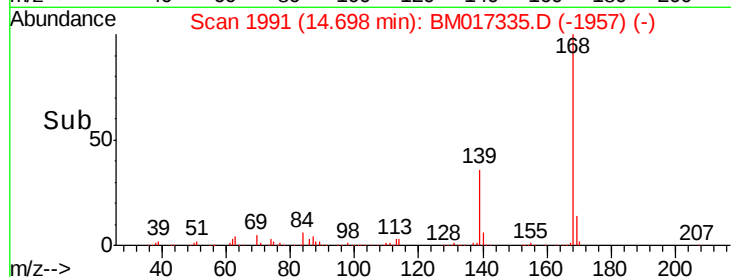
100000

50000

0

14.65 14.70 14.75

Time-->



#70

Phenanthrene

Concen: 7.578 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

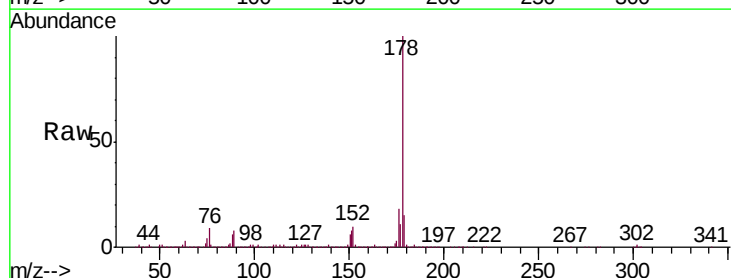
Tgt Ion:178 Resp: 866675

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

176 18.1 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

1000000

800000

600000

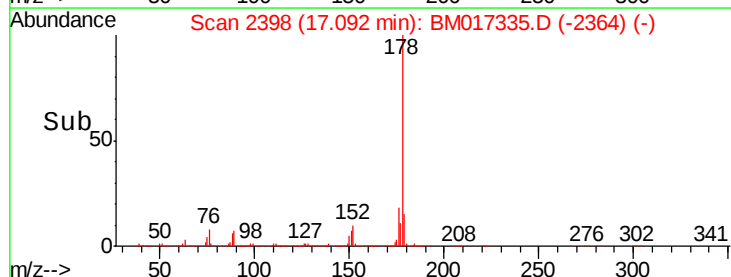
400000

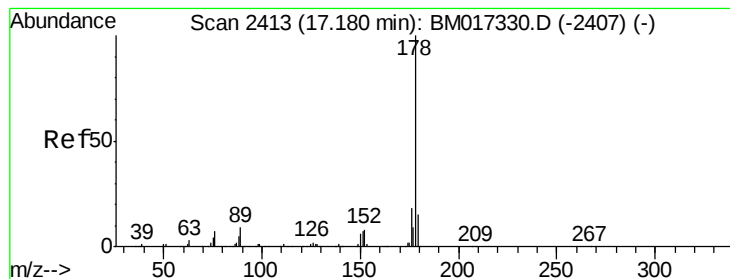
200000

0

17.05 17.10 17.15

Time-->





#72

Anthracene

Concen: 9.339 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

Instrument :

BNA_M

ClientSampleId :

C0AE0

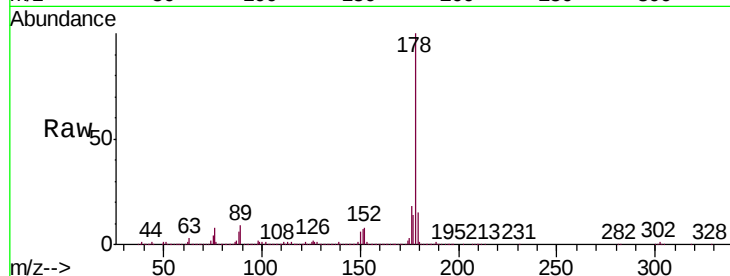
Tgt Ion:178 Resp: 1084755

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

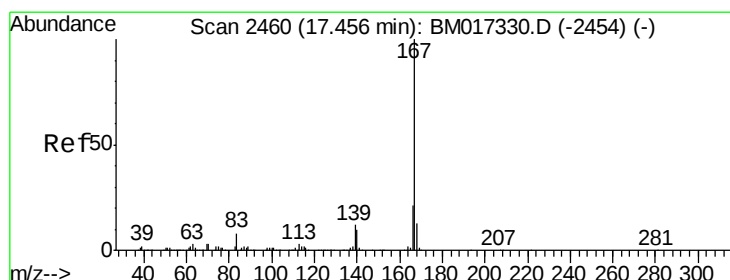
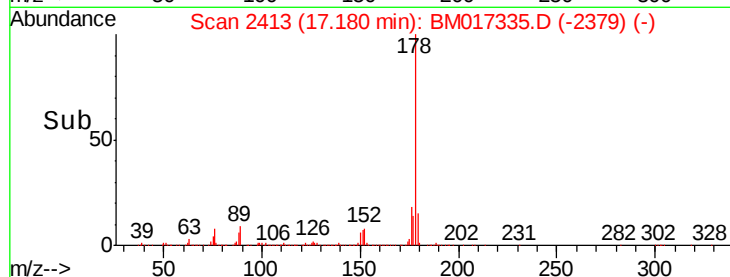
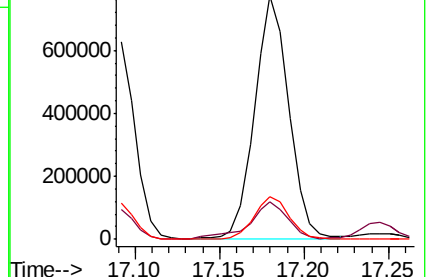
176 17.8 14.2 21.2



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: 3.251 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

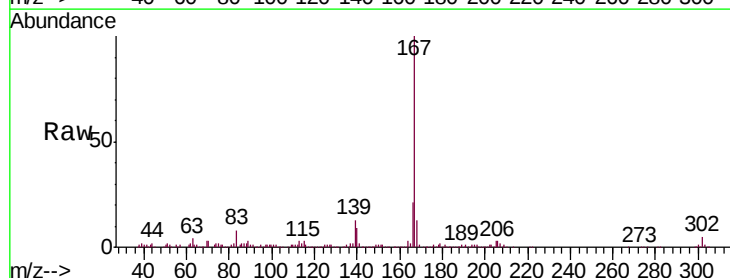
Tgt Ion:167 Resp: 330166

Ion Ratio Lower Upper

167 100

166 21.3 17.5 26.3

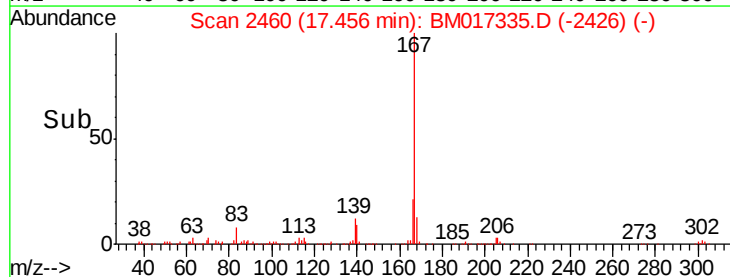
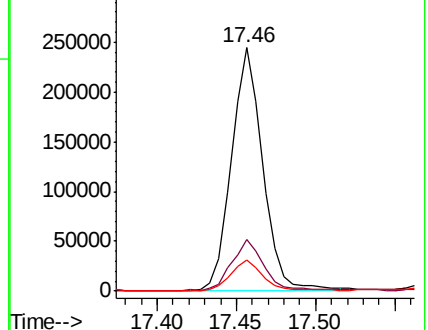
139 12.7 10.0 15.0

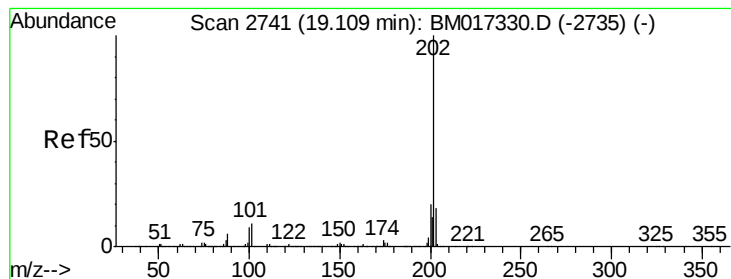


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 52.514 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. 0.01 min

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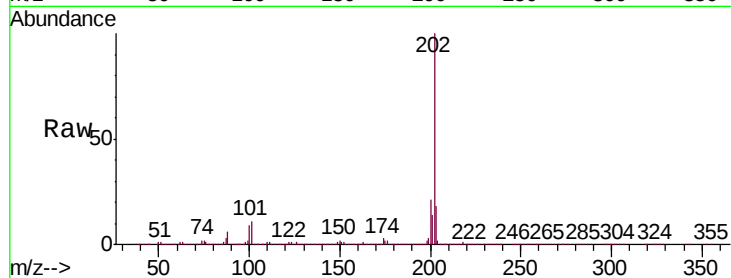
Tgt Ion:202 Resp: 6883989

Ion Ratio Lower Upper

202 100

101 11.2 8.2 12.4

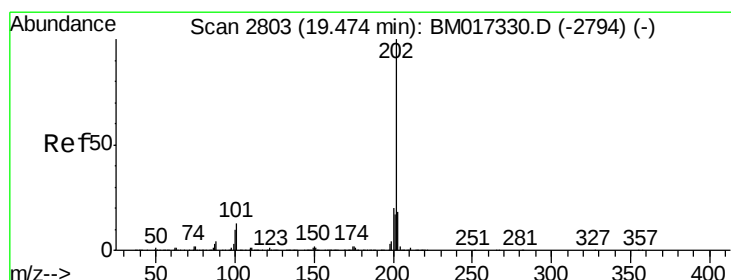
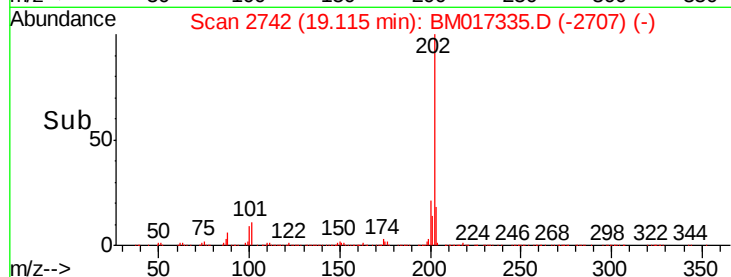
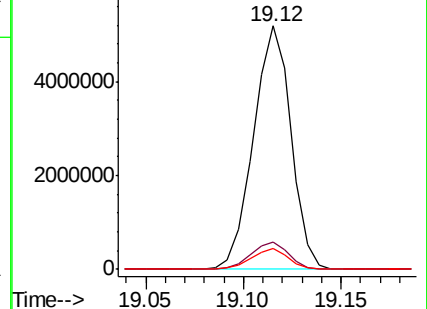
100 8.7 6.3 9.5



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: 58.360 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

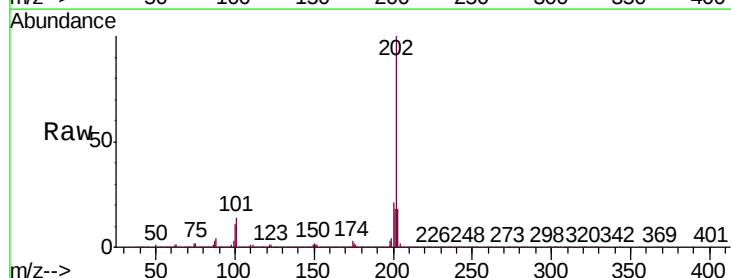
Tgt Ion:202 Resp: 7627792

Ion Ratio Lower Upper

202 100

101 13.6 9.5 14.3

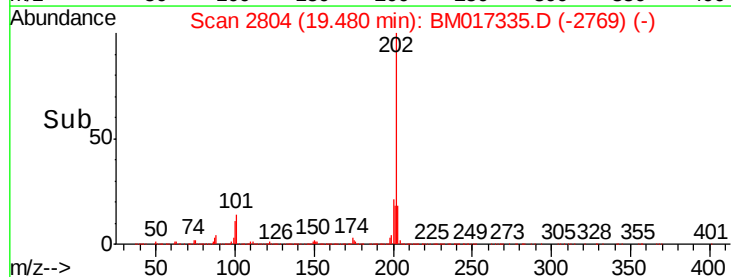
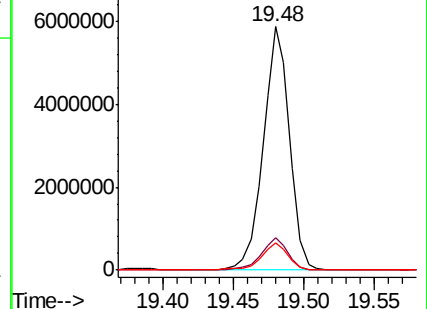
100 11.0 8.1 12.1

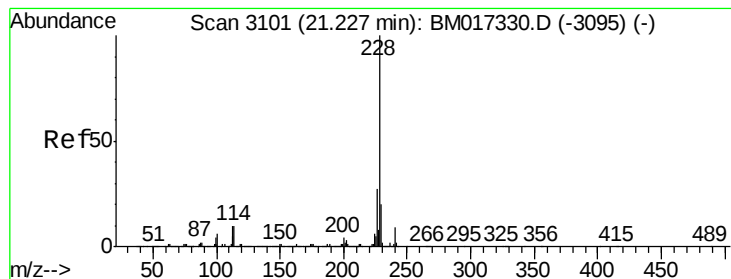


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 37.535 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

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C0AE0

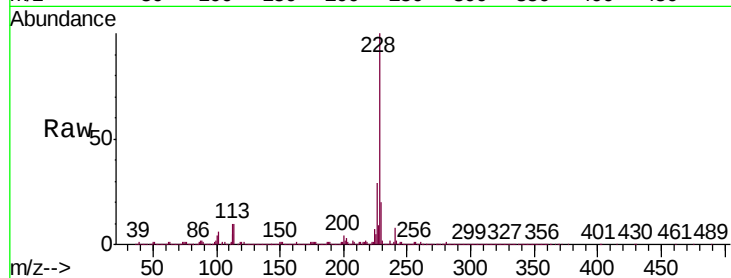
Tgt Ion:228 Resp: 5169944

Ion Ratio Lower Upper

228 100

229 20.3 15.6 23.4

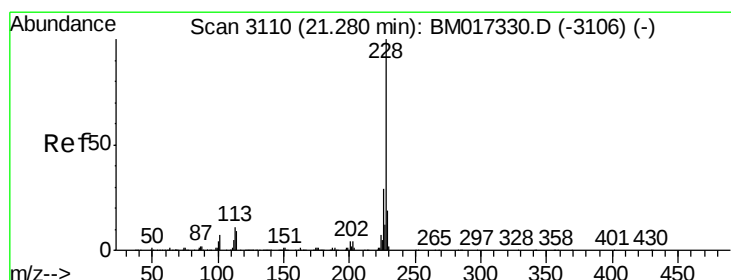
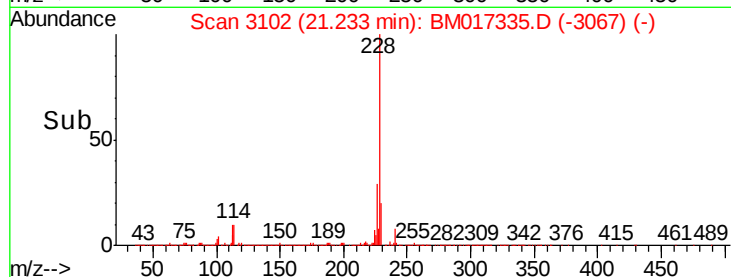
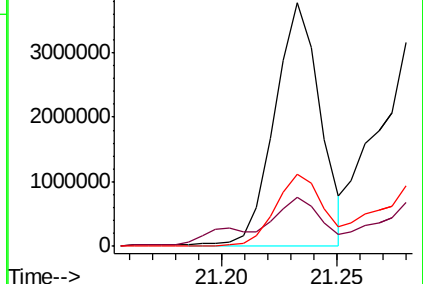
226 29.4 20.8 31.2



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: 48.867 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

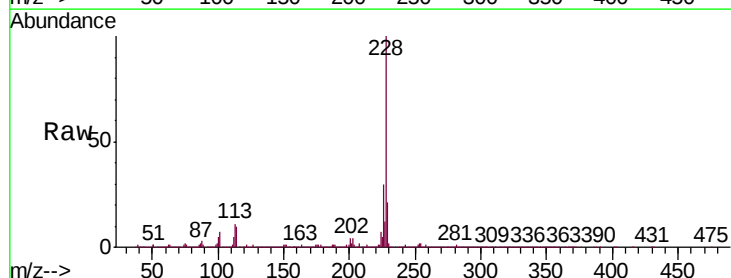
Tgt Ion:228 Resp: 6400335

Ion Ratio Lower Upper

228 100

226 29.8 23.3 34.9

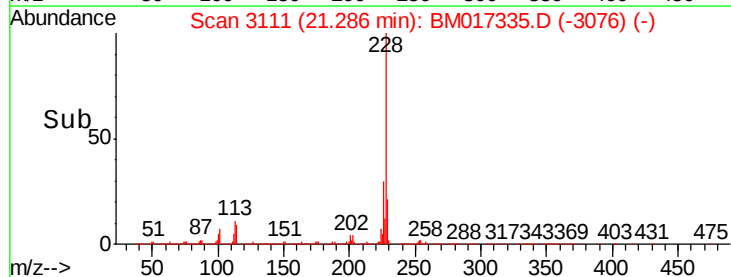
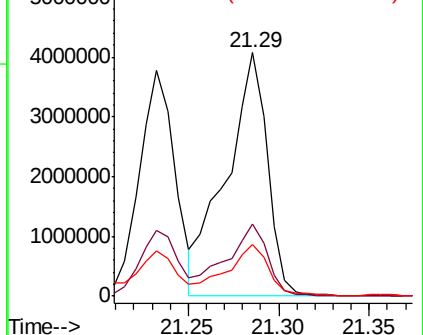
229 21.3 15.6 23.4

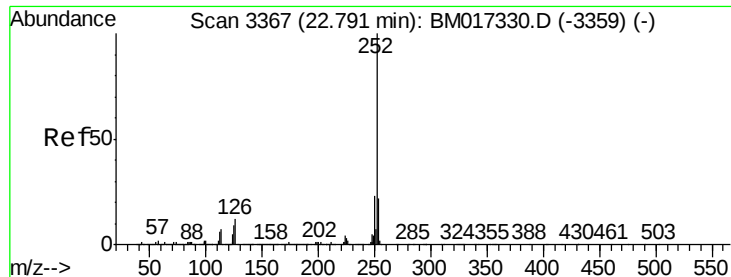


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 99.898 ng/u1

RT: 22.81 min Scan# 3371

Delta R.T. 0.02 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

Instrument :

BNA_M

ClientSampleId :

C0AE0

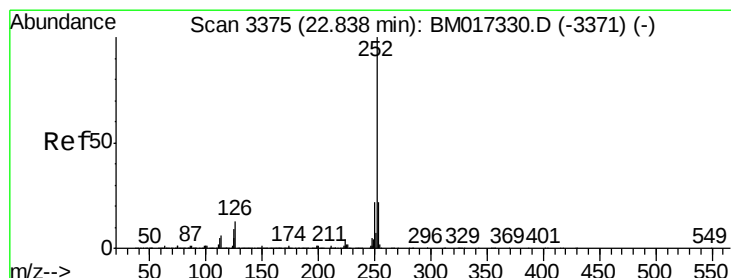
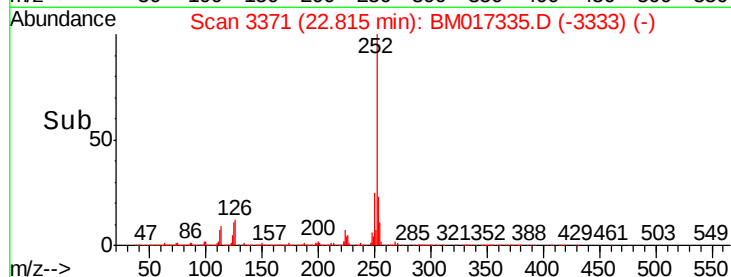
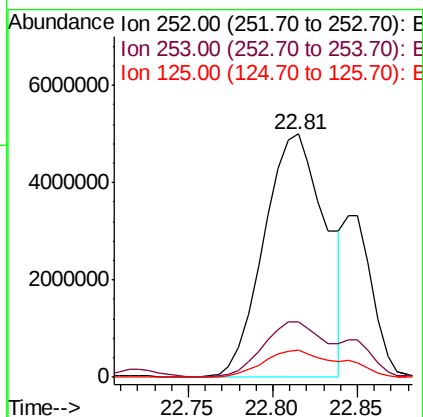
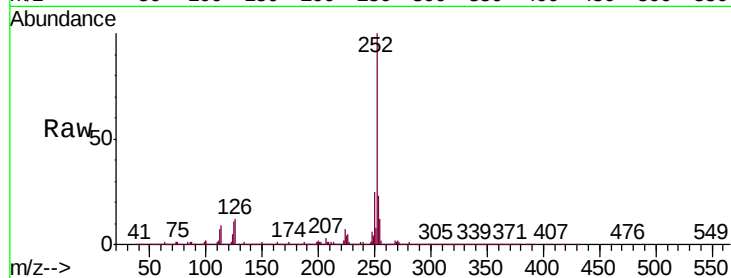
Tgt Ion:252 Resp:12677672

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.0 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 102.270 ng/u1

RT: 22.81 min Scan# 3371

Delta R.T. -0.02 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

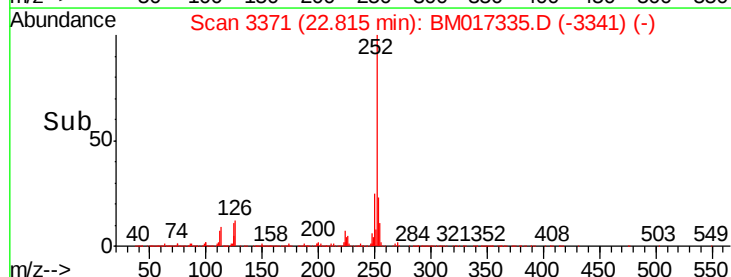
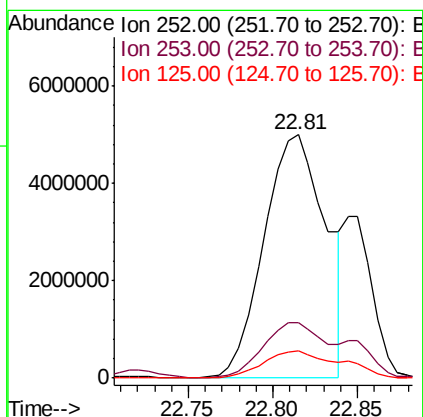
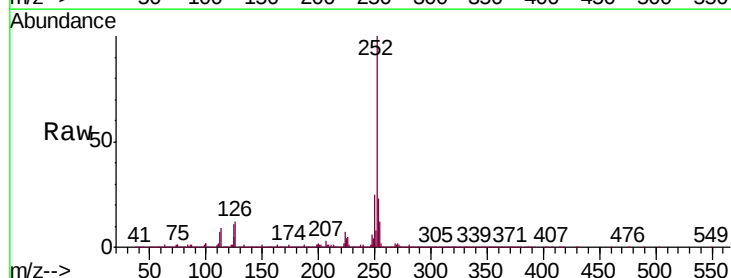
Tgt Ion:252 Resp:12677672

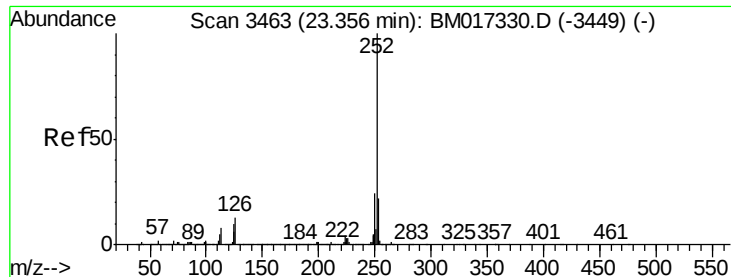
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 11.0 7.8 11.6





#91

Benzo(a)pyrene

Concen: 36.059 ng/u1

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

Instrument :

BNA_M

ClientSampleId :

C0AE0

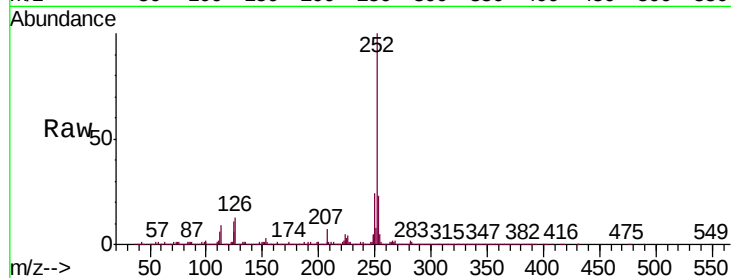
Tgt Ion:252 Resp: 4470552

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

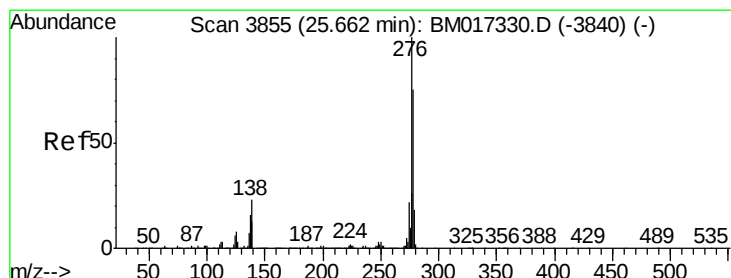
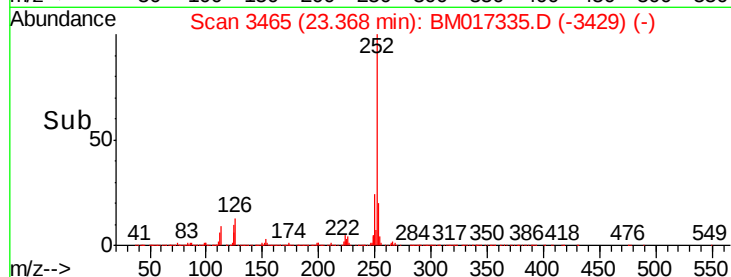
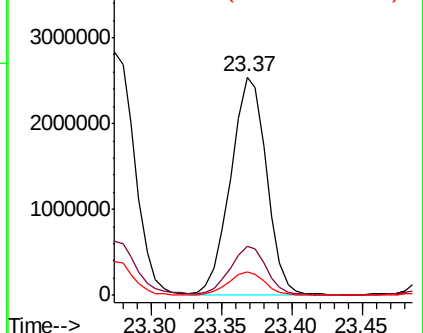
125 10.6 8.3 12.5



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: 23.196 ng/u1

RT: 25.67 min Scan# 3857

Delta R.T. 0.01 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

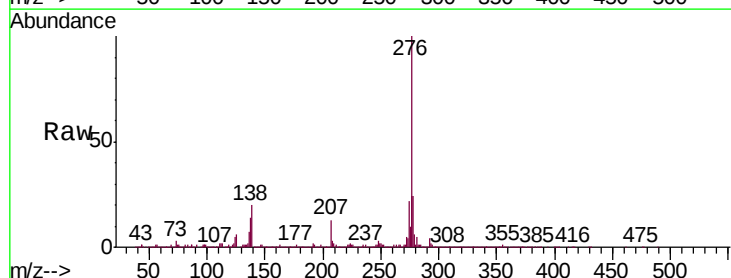
Tgt Ion:276 Resp: 3499051

Ion Ratio Lower Upper

276 100

138 20.5 18.1 27.1

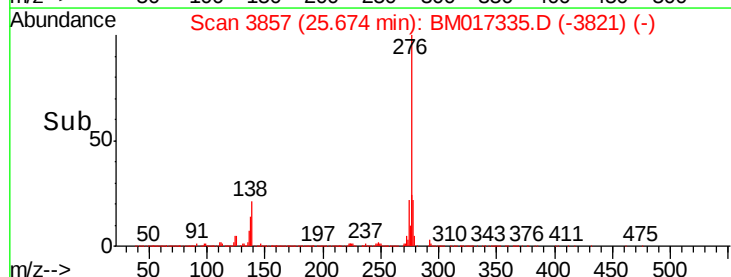
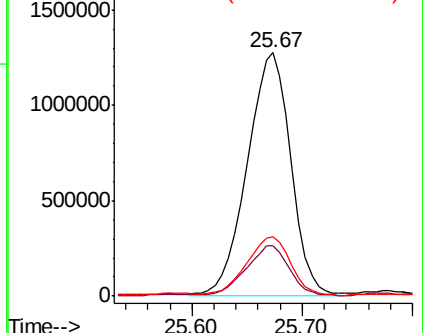
277 24.4 19.6 29.4

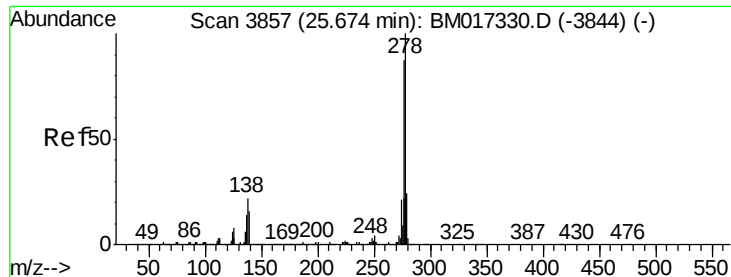


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.070 ng/ul

RT: 25.77 min Scan# 3874

Delta R.T. 0.10 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

Instrument :

BNA_M

ClientSampleId :

C0AE0

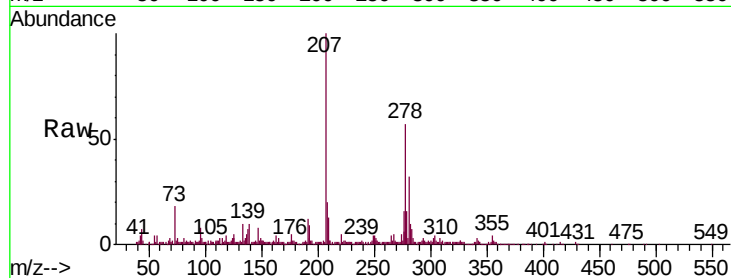
Tgt Ion:278 Resp: 260761

Ion Ratio Lower Upper

278 100

139 16.8 12.7 19.1

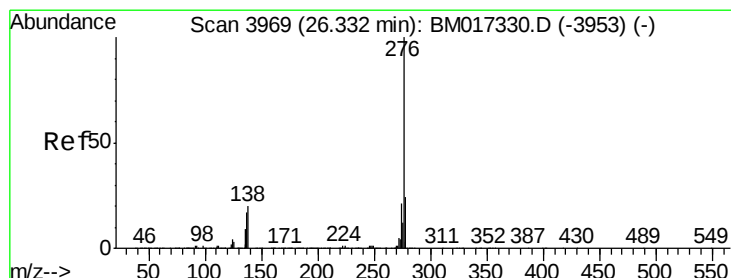
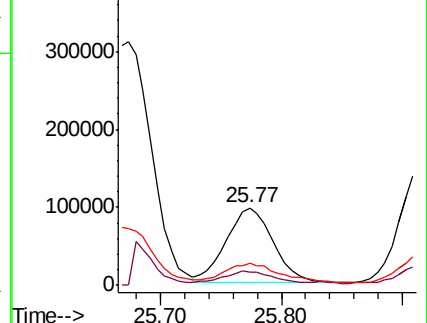
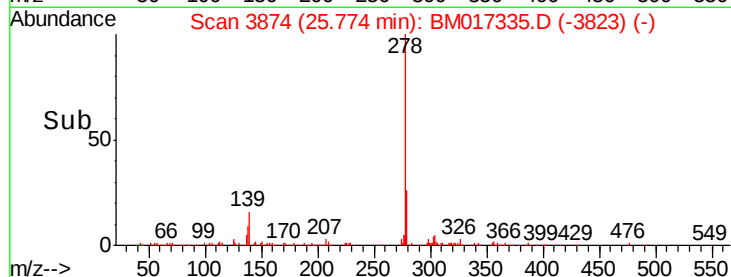
279 27.9 19.0 28.4



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: 19.210 ng/ul

RT: 26.34 min Scan# 3971

Delta R.T. 0.01 min

Lab File: BM017335.D

Acq: 25 Oct 2018 01:57

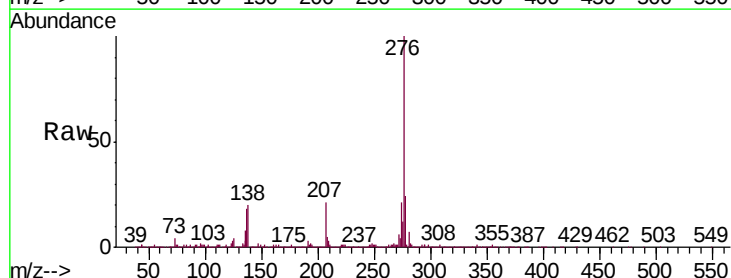
Tgt Ion:276 Resp: 2461715

Ion Ratio Lower Upper

276 100

138 20.3 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

