

Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD9

Quant Time: Oct 25 02:42:54 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	336608	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1538289	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	906779	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2081599	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	2344416	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2232267	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	22357	3.06	ng/uL	0.00
5) Phenol-d5	6.83	99	563270	18.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	331422	18.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	462934	19.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	423586	17.42	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	231226	19.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	265145	19.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	477491	19.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	498026	24.36	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1480328	19.04	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1875968	19.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	228093	15.70	ng/ul	0.00
58) Fluorene-d10	15.30	176	1303904	19.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	233931	16.13	ng/ul	0.00
71) Anthracene-d10	17.14	188	2059616	19.99	ng/ul	0.00
79) Pyrene-d10	19.45	212	2327926	21.43	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	2421764	20.54	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	6.86	94	172605	5.653	ng/ul	99
28) Naphthalene	10.48	128	664858	8.262	ng/ul	99
30) 4-Chloroaniline	10.48	127	84506	4.043	ng/ul#	5
34) 2-Methylnaphthalene	12.10	142	144911	2.451	ng/ul	97
35) 1-Methylnaphthalene	12.32	142	62210	1.097	ng/ul	99
45) Dimethylphthalate	13.76	163	342729	4.549	ng/ul	99
48) Acenaphthylene	14.02	152	725895	8.192	ng/ul	98
50) Acenaphthene	14.36	153	65895	1.039	ng/ul	99
54) Dibenzofuran	14.70	168	323399	3.598	ng/ul	98
70) Phenanthrene	17.09	178	1558496	13.038	ng/ul	99
72) Anthracene	17.18	178	1483545	12.220	ng/ul	99
75) Carbazole	17.46	167	442977	4.173	ng/ul	100
77) Fluoranthene	19.12	202	8816390	64.346	ng/ul	97
80) Pyrene	19.48	202	9633737	70.764	ng/ul	95
83) Benzo(a)anthracene	21.23	228	6182802	43.096	ng/ul	95
85) Chrysene	21.29	228	7649887	56.075	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	4653805	35.616	ng/ul	98
89) Benzo(k)fluoranthene	22.85	252	4662547	36.530	ng/ul	99
91) Benzo(a)pyrene	23.37	252	4933763	38.650	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.67	276	3853537	24.811	ng/ul	98
93) Dibenzo(a,h)anthracene	25.67	278	1022148	7.881	ng/ul#	85
94) Benzo(g,h,i)perylene	26.35	276	2684939	20.349	ng/ul	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Quantitation Report (Not Reviewed)

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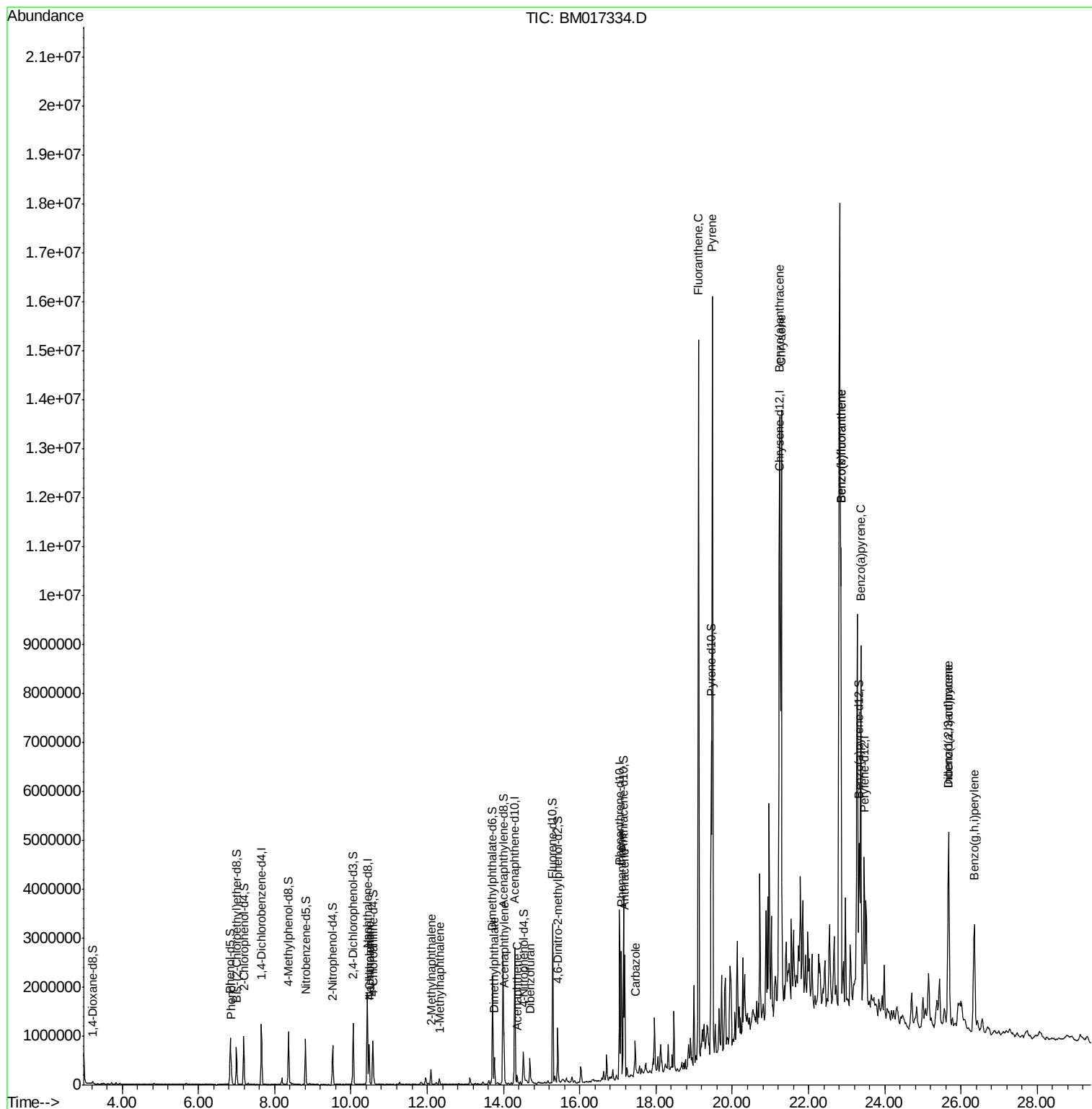
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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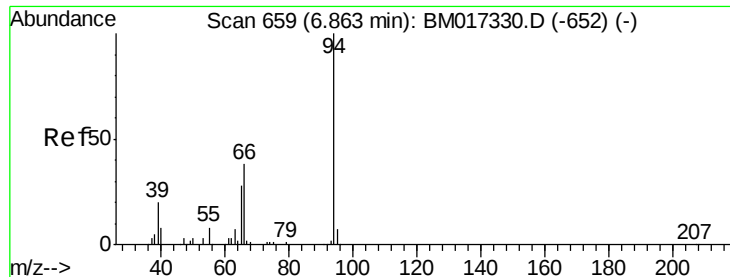
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.653 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

C0AD9

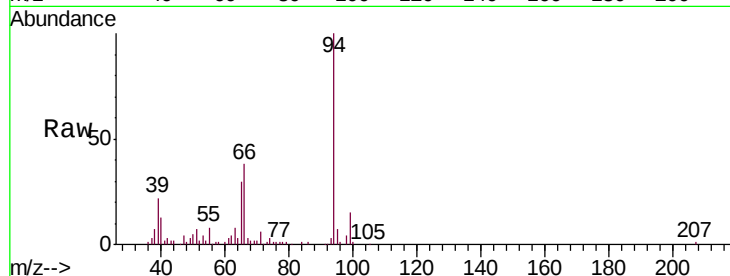
Tgt Ion: 94 Resp: 172605

Ion Ratio Lower Upper

94 100

65 29.6 24.0 36.0

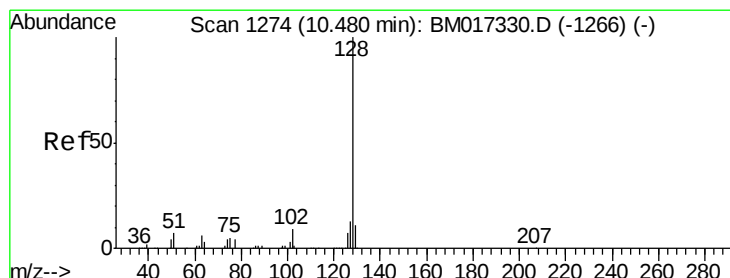
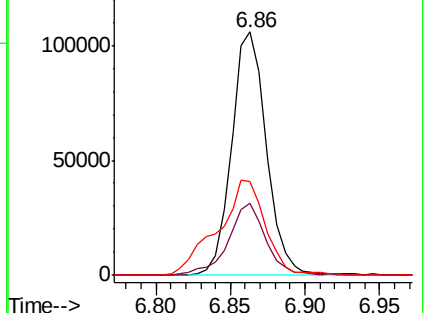
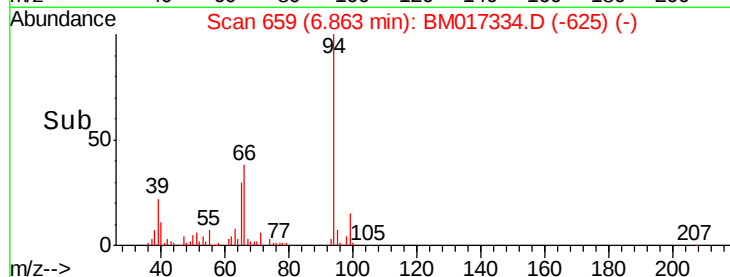
66 38.4 31.1 46.7



Abundance Ion 94.00 (93.70 to 94.70): BM017334.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM017334.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM017334.D (-652) (-)



#28

Naphthalene

Concen: 8.262 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

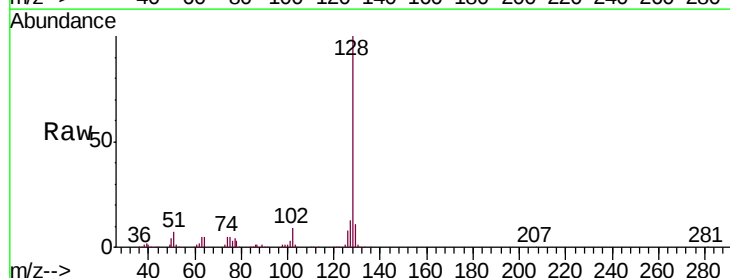
Tgt Ion: 128 Resp: 664858

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

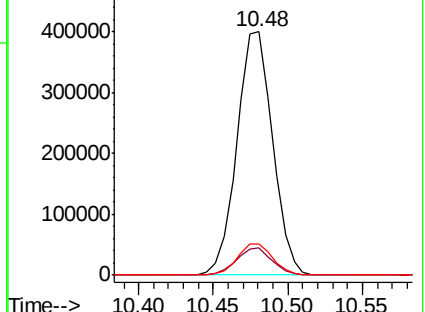
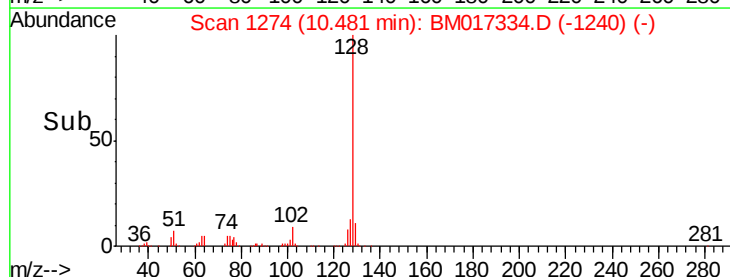
127 12.8 10.3 15.5

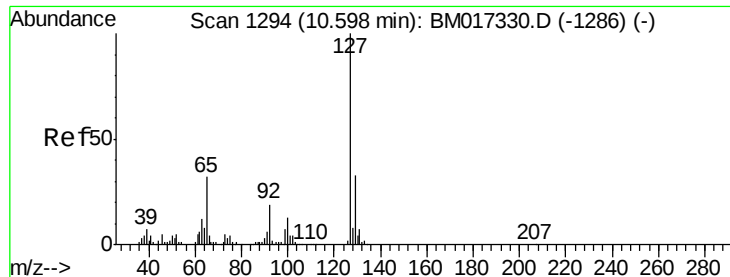


Abundance Ion 128.00 (127.70 to 128.70): BM017334.D (-1240) (-)

Ion 129.00 (128.70 to 129.70): BM017334.D (-1240) (-)

Ion 127.00 (126.70 to 127.70): BM017334.D (-1240) (-)





#30

4-Chloroaniline

Concen: 4.043 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.12 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

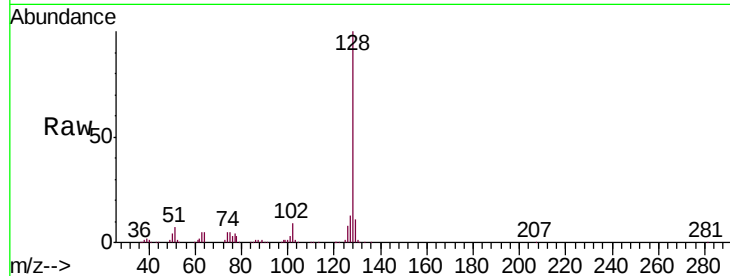
C0AD9

Tgt Ion:127 Resp: 84506

Ion Ratio Lower Upper

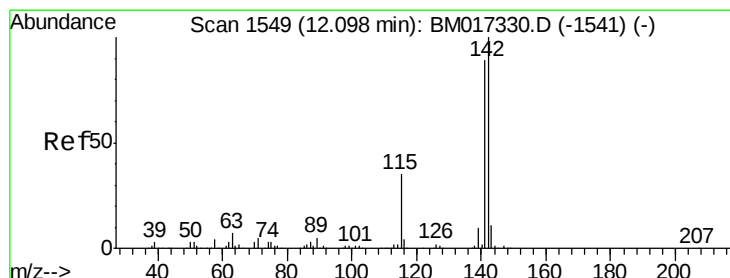
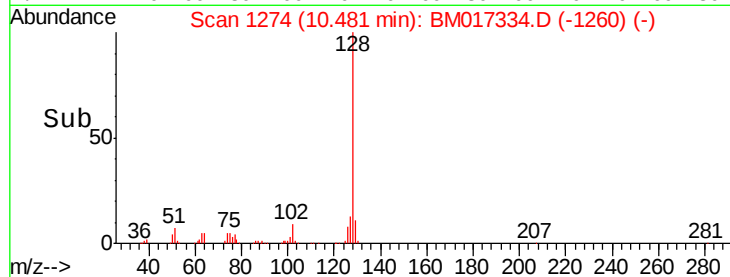
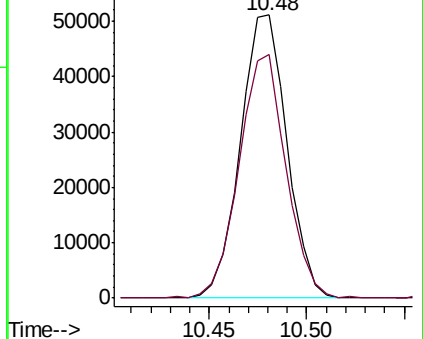
127 100

129 86.3 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: 2.451 ng/ul

RT: 12.10 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM017334.D

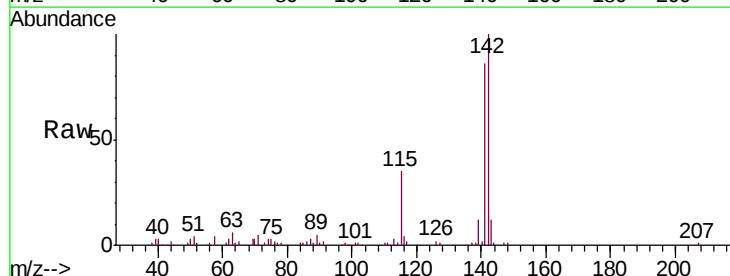
Acq: 25 Oct 2018 01:21

Tgt Ion:142 Resp: 144911

Ion Ratio Lower Upper

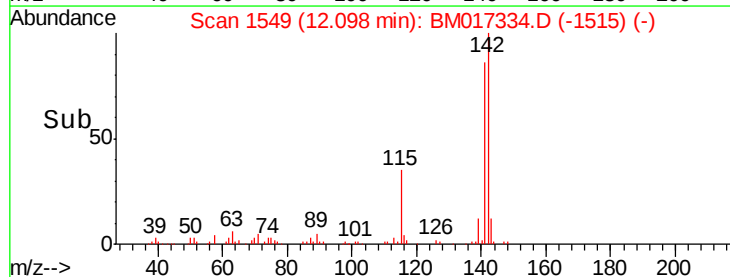
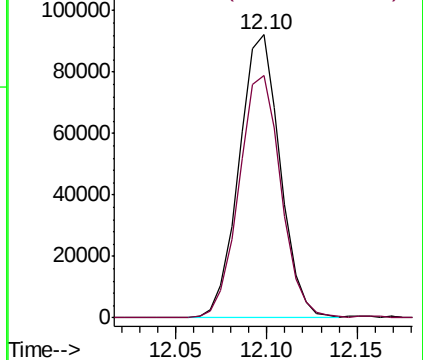
142 100

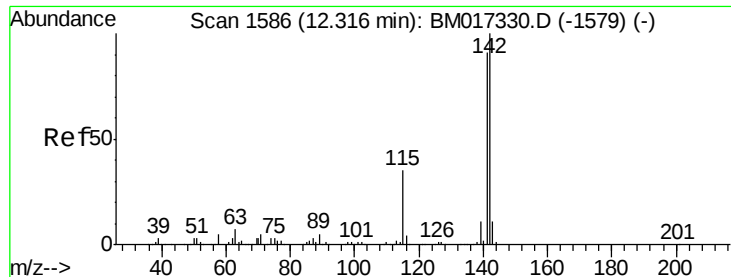
141 85.5 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

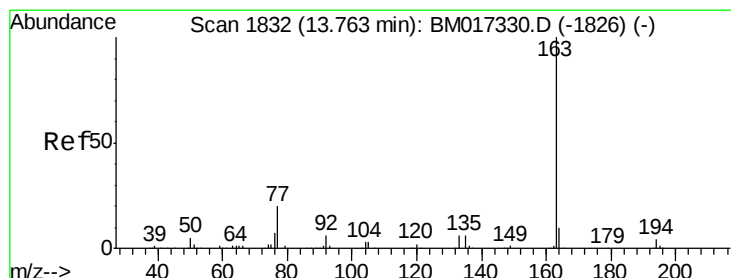
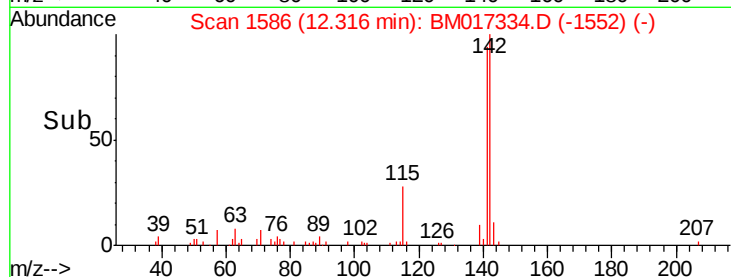
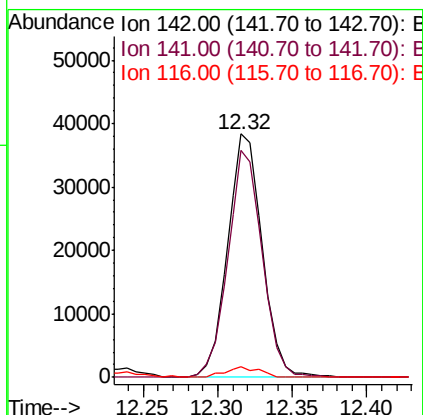
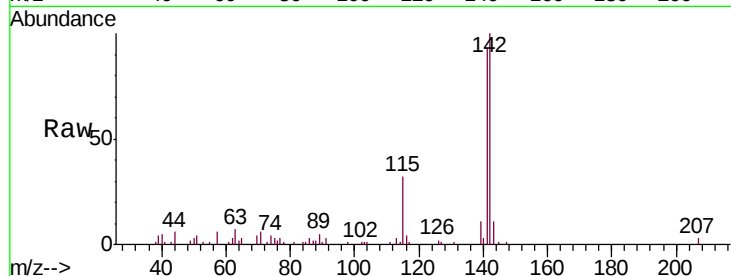




#35
 1-Methylnaphthalene
 Concen: 1.097 ng/ul
 RT: 12.32 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

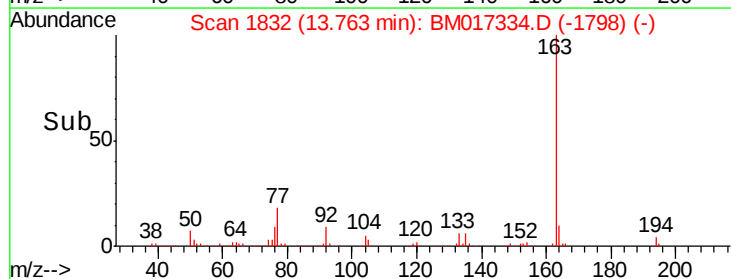
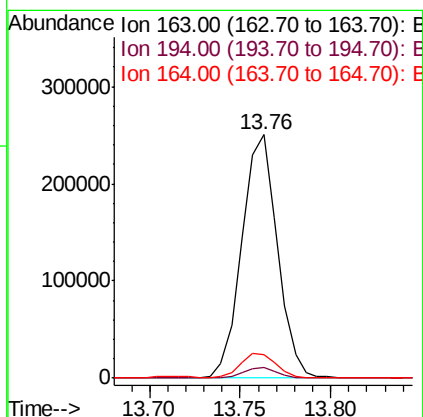
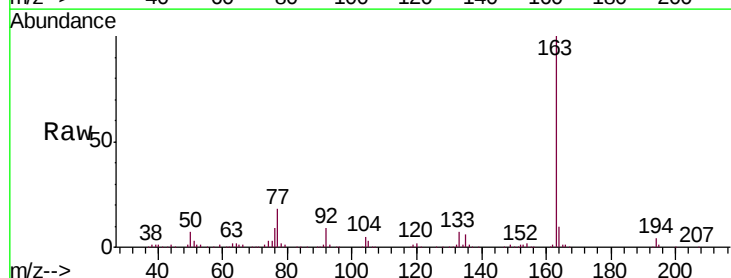
Instrument :
 BNA_M
 ClientSampleId :
 C0AD9

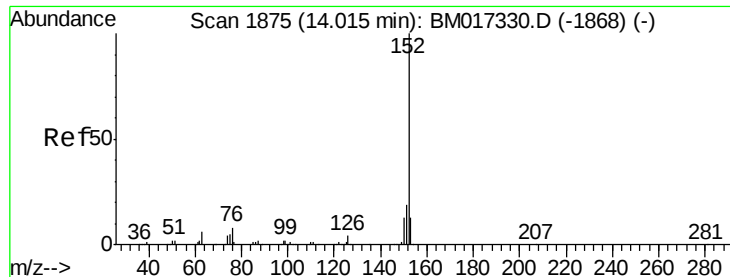
Tgt Ion:142 Resp: 62210
 Ion Ratio Lower Upper
 142 100
 141 93.4 73.9 110.9
 116 4.2 3.0 4.6



#45
 Dimethylphthalate
 Concen: 4.549 ng/ul
 RT: 13.76 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

Tgt Ion:163 Resp: 342729
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.2 4.8
 164 9.9 8.1 12.1





#48

Acenaphthylene

Concen: 8.192 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

C0AD9

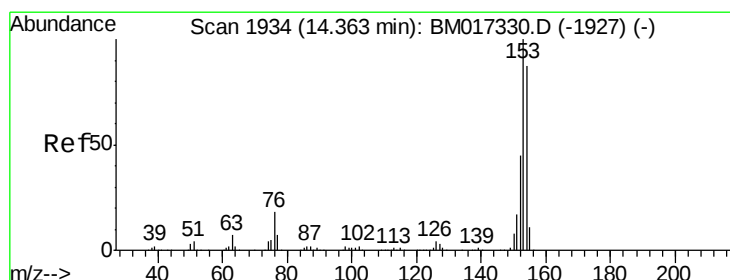
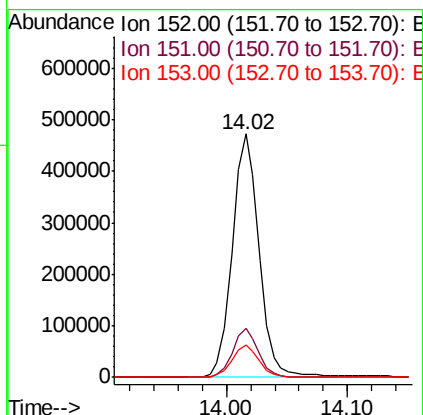
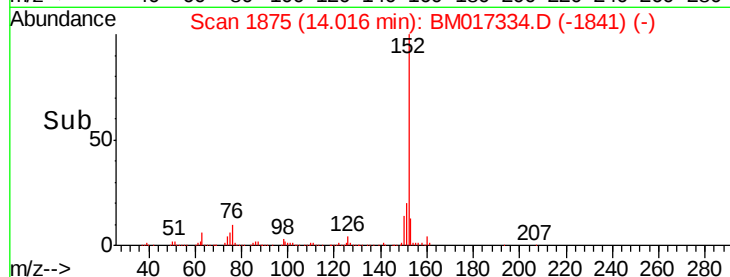
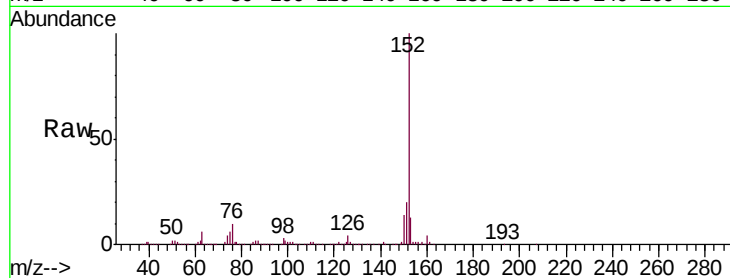
Tgt Ion:152 Resp: 725895

Ion Ratio Lower Upper

152 100

151 20.0 15.3 22.9

153 13.3 10.2 15.4



#50

Acenaphthene

Concen: 1.039 ng/ul

RT: 14.36 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

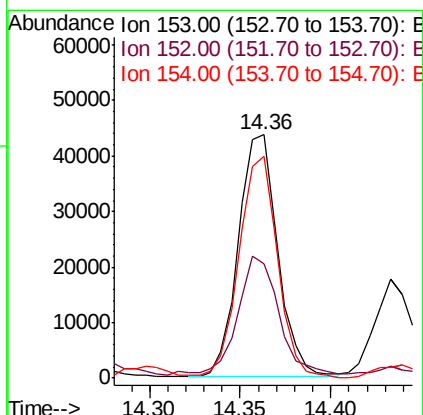
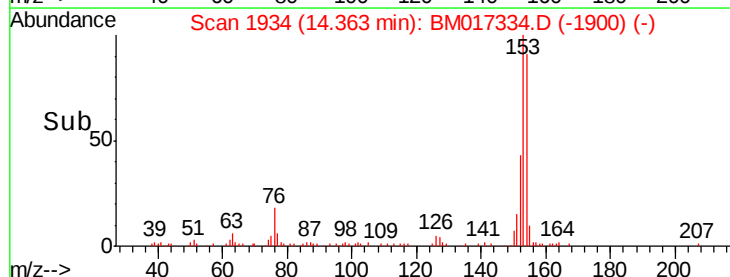
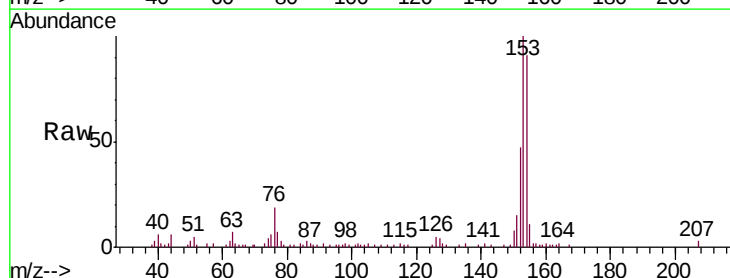
Tgt Ion:153 Resp: 65895

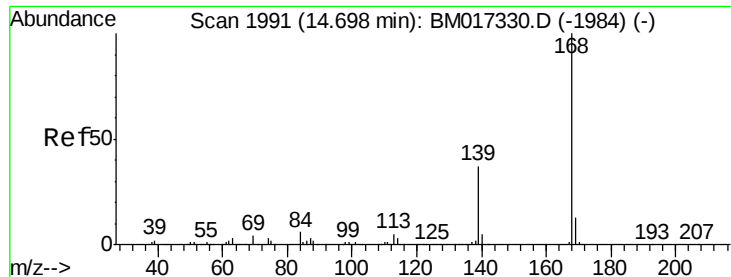
Ion Ratio Lower Upper

153 100

152 47.0 36.9 55.3

154 91.0 72.2 108.4





#54

Dibenzenofuran

Concen: 3.598 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

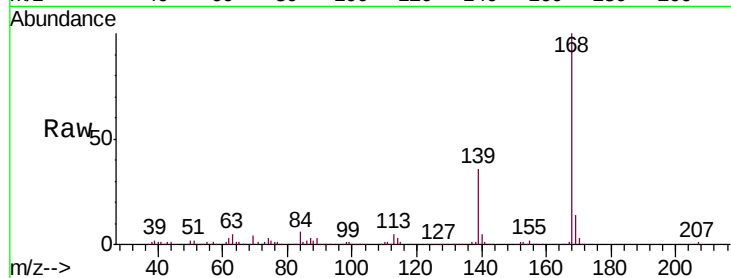
C0AD9

Tgt Ion:168 Resp: 323399

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

250000

200000

150000

100000

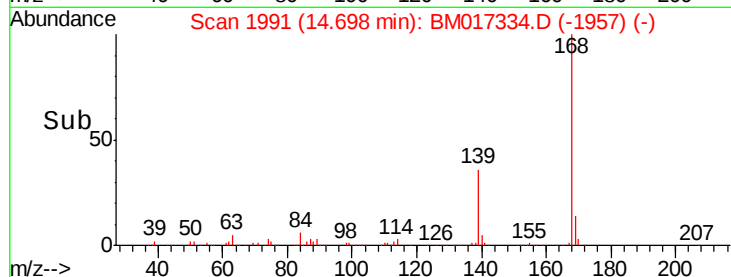
50000

0

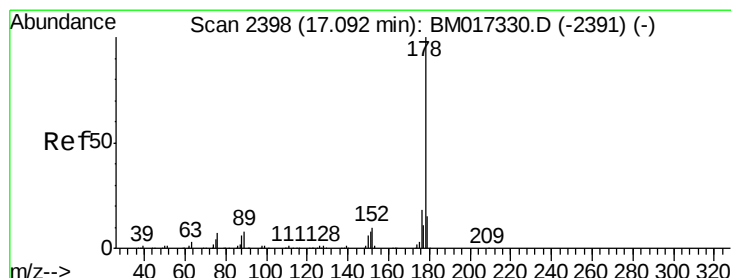
14.60

14.70

14.80



Time-->



#70

Phenanthrene

Concen: 13.038 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

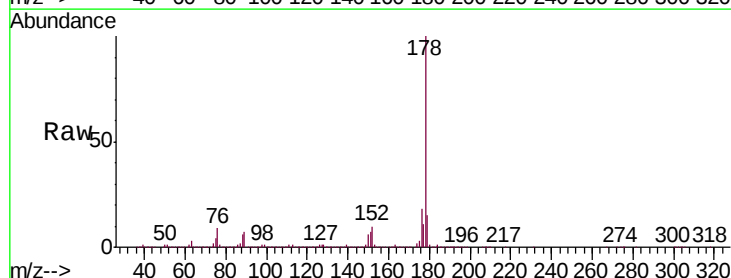
Tgt Ion:178 Resp: 1558496

Ion Ratio Lower Upper

178 100

179 15.5 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

1500000

1000000

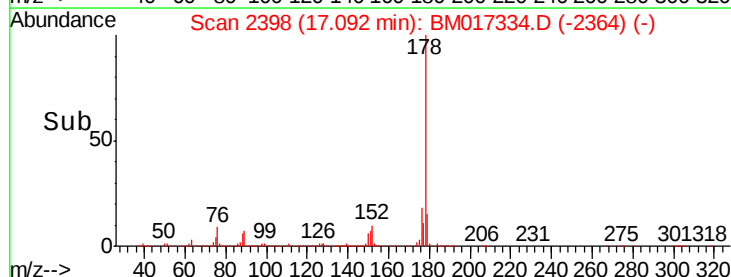
500000

0

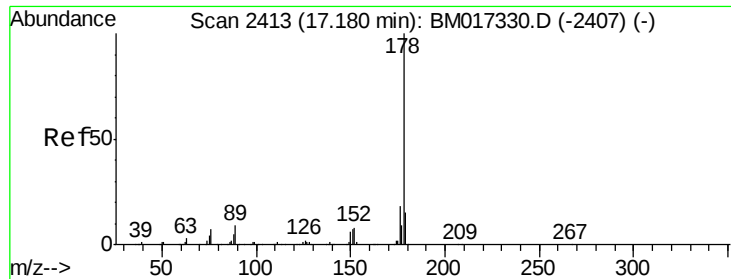
17.05

17.10

17.15



Time-->



#72

Anthracene

Concen: 12.220 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

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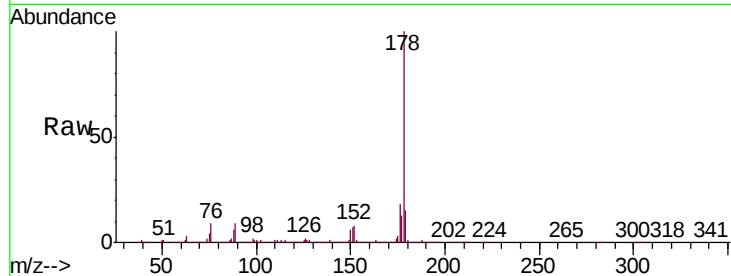
Tgt Ion:178 Resp: 1483545

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

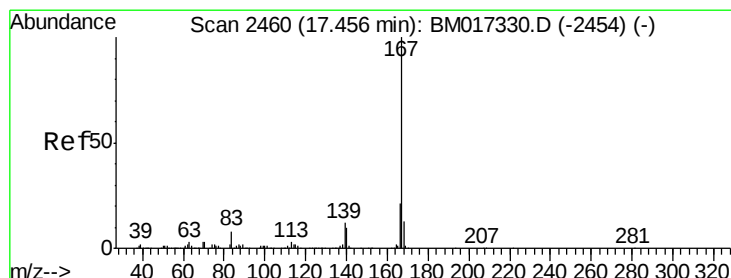
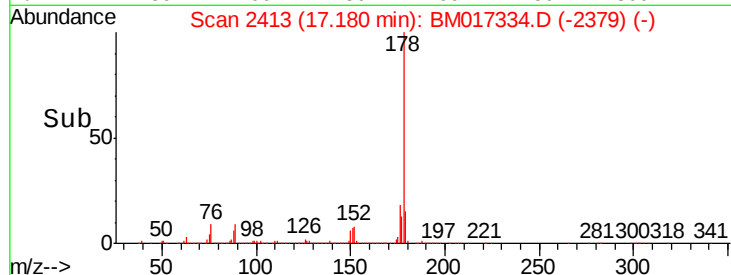
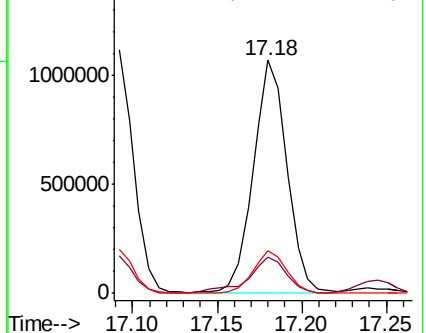
176 18.1 14.2 21.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 4.173 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM017334.D

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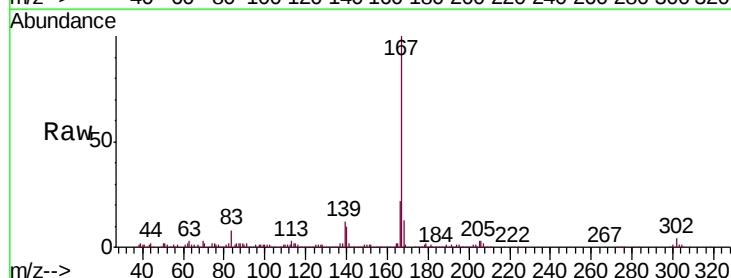
Tgt Ion:167 Resp: 442977

Ion Ratio Lower Upper

167 100

166 21.8 17.5 26.3

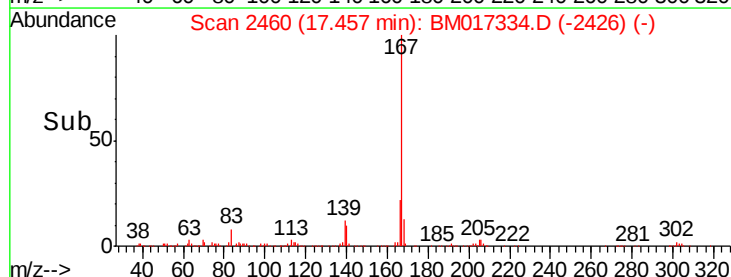
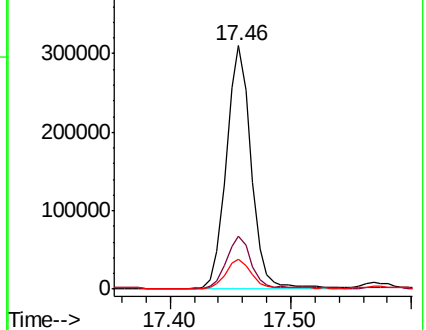
139 12.4 10.0 15.0

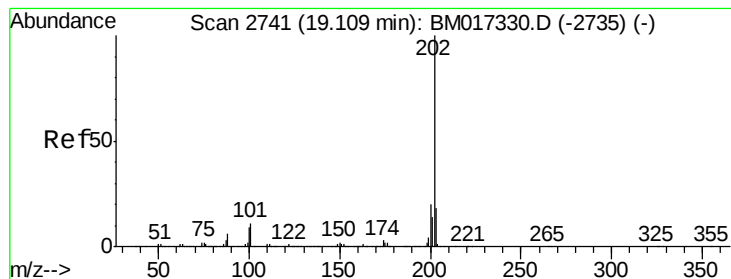


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 64.346 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

C0AD9

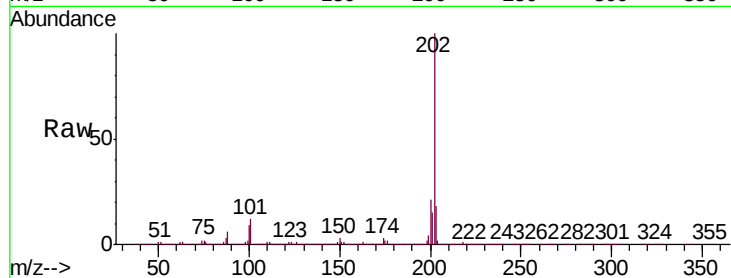
Tgt Ion:202 Resp: 8816390

Ion Ratio Lower Upper

202 100

101 11.5 8.2 12.4

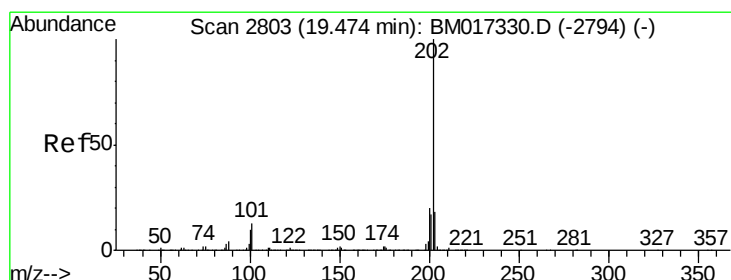
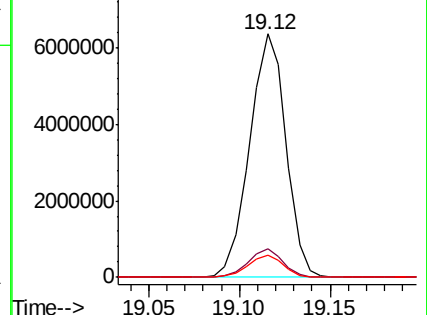
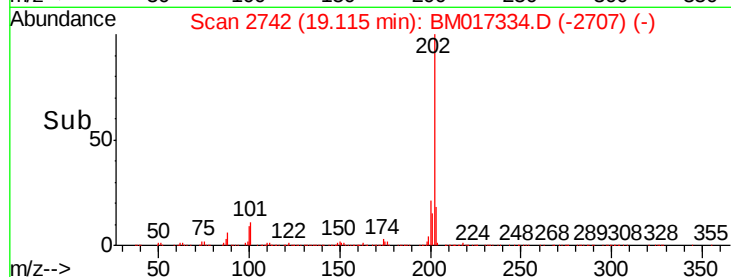
100 8.9 6.3 9.5



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: 70.764 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

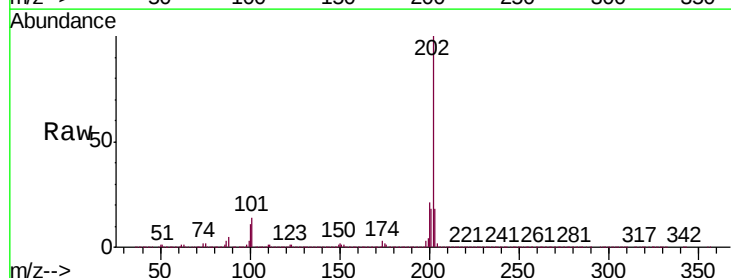
Tgt Ion:202 Resp: 9633737

Ion Ratio Lower Upper

202 100

101 14.1 9.5 14.3

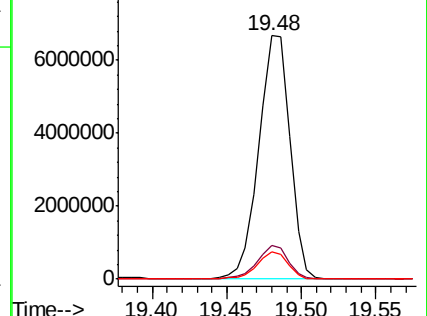
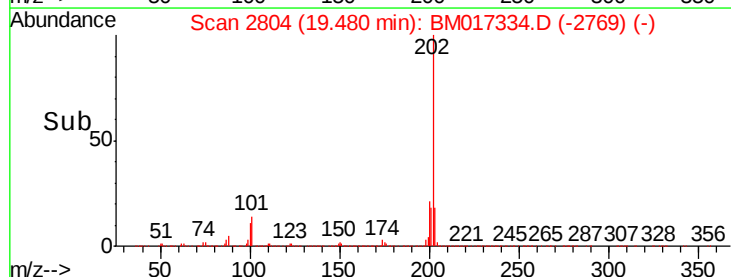
100 11.4 8.1 12.1

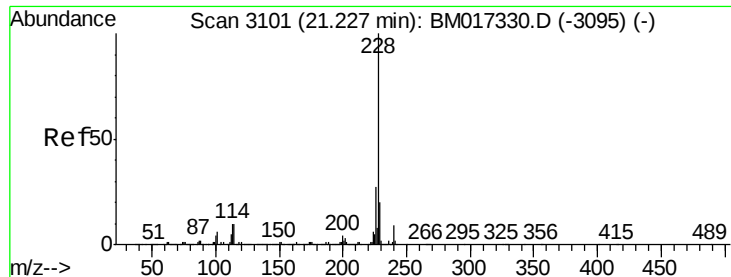


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

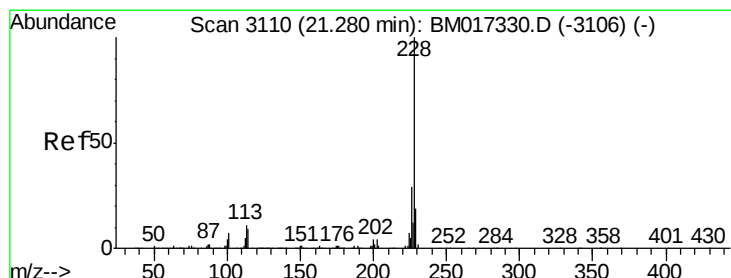
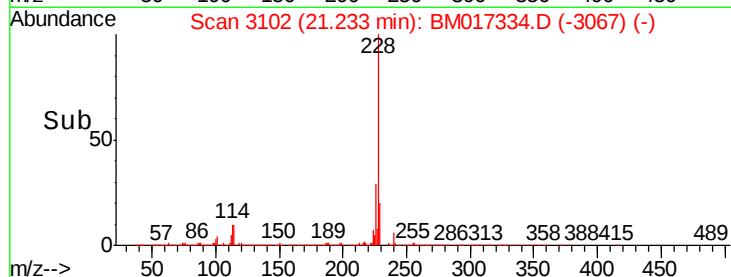
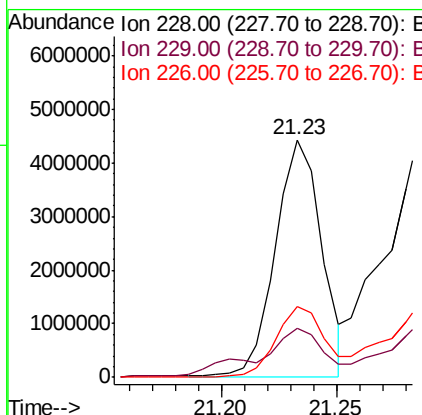
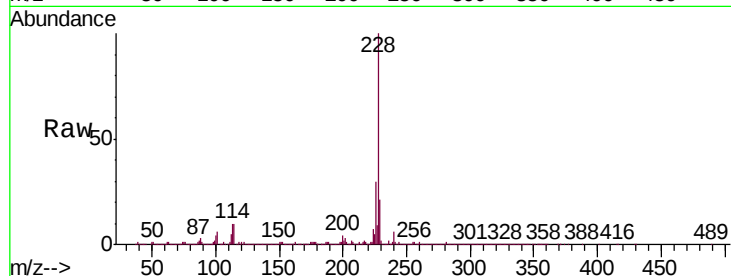




#83
Benzo(a)anthracene
Concen: 43.096 ng/u1
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

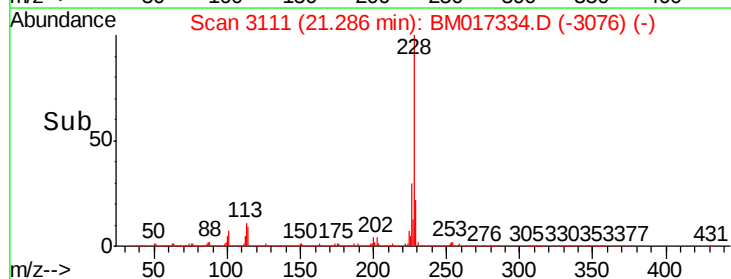
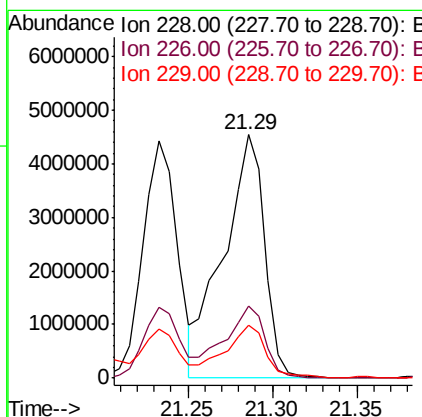
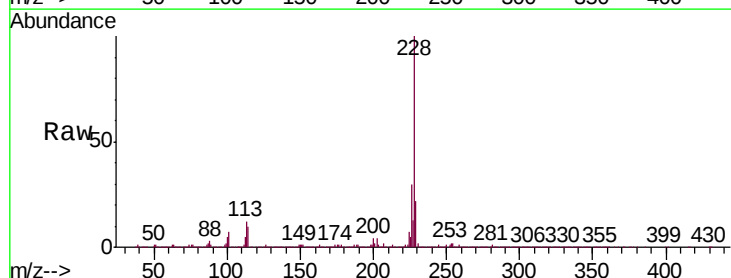
Instrument :
BNA_M
ClientSampleId :
C0AD9

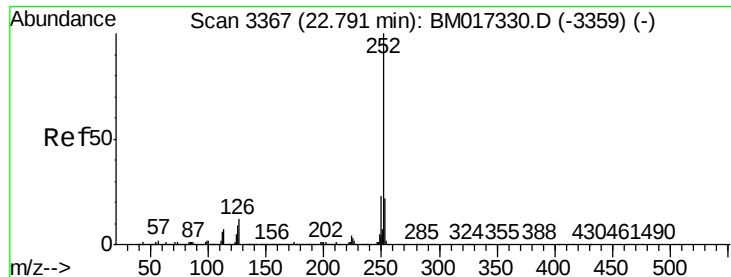
Tgt Ion:228 Resp: 6182802
Ion Ratio Lower Upper
228 100
229 20.7 15.6 23.4
226 29.6 20.8 31.2



#85
Chrysene
Concen: 56.075 ng/u1
RT: 21.29 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Tgt Ion:228 Resp: 7649887
Ion Ratio Lower Upper
228 100
226 29.8 23.3 34.9
229 21.9 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 35.616 ng/ul

RT: 22.85 min Scan# 3377

Delta R.T. 0.06 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

C0AD9

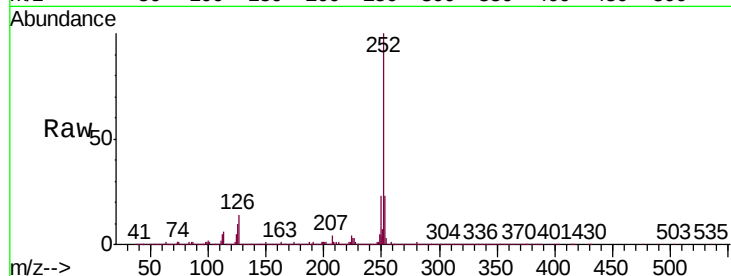
Tgt Ion:252 Resp: 4653805

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

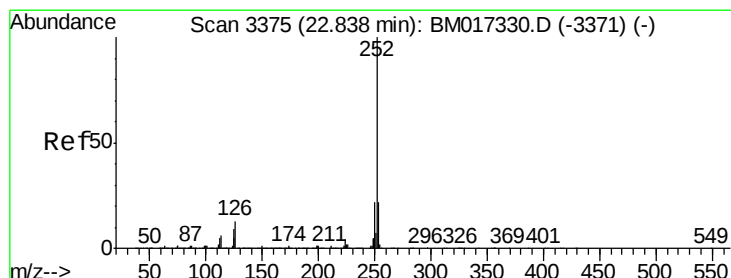
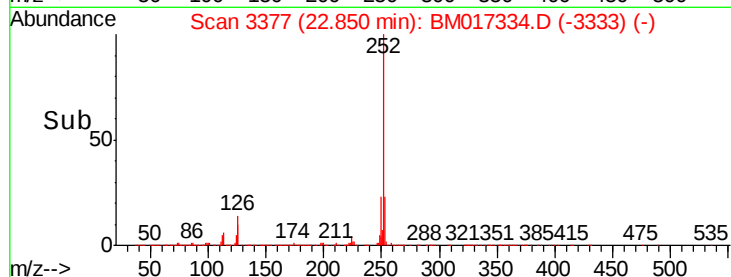
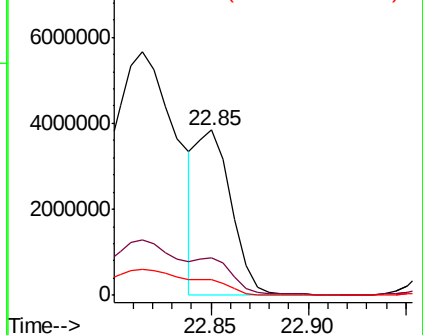
125 9.9 7.2 10.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 36.530 ng/ul

RT: 22.85 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

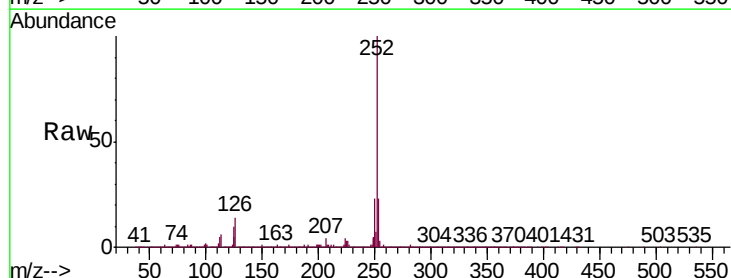
Tgt Ion:252 Resp: 4662547

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

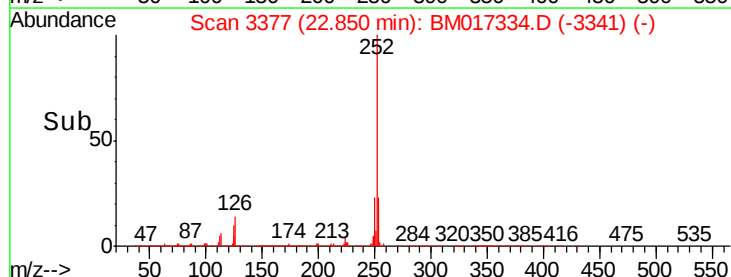
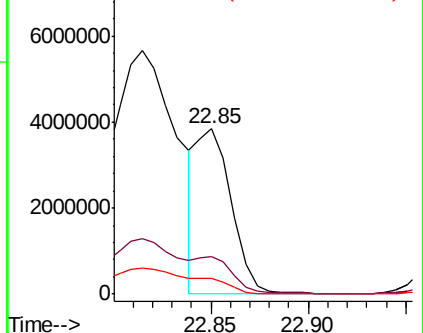
125 9.9 7.8 11.6

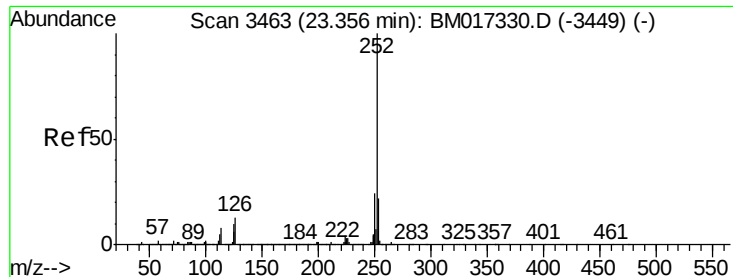


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 38.650 ng/ul

RT: 23.37 min Scan# 3466

Delta R.T. 0.02 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

C0AD9

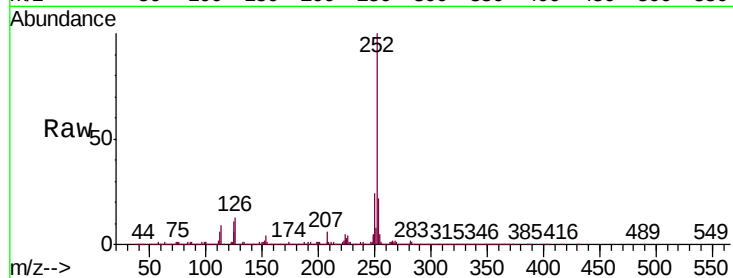
Tgt Ion:252 Resp: 4933763

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

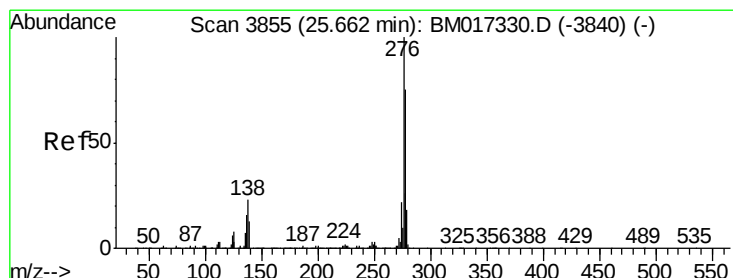
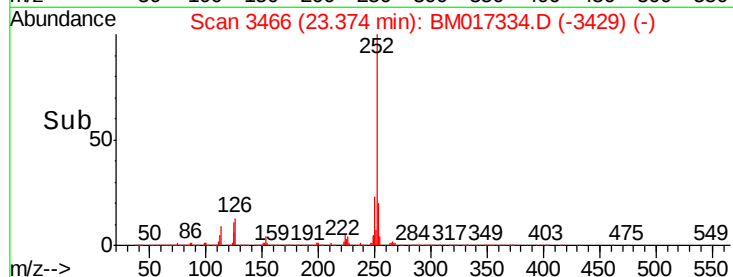
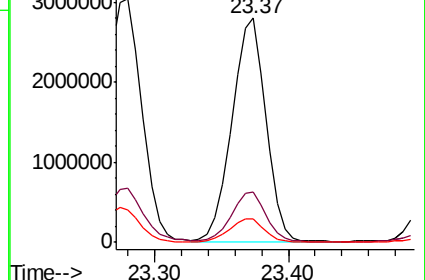
125 10.7 8.3 12.5



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: 24.811 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.01 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

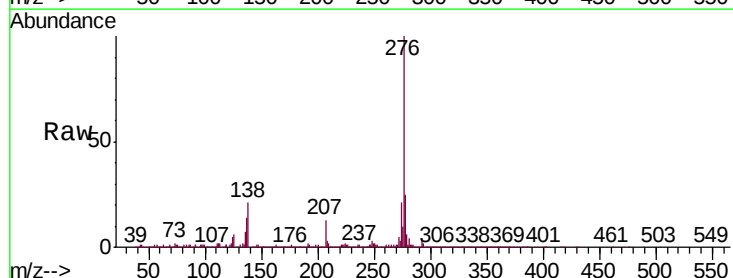
Tgt Ion:276 Resp: 3853537

Ion Ratio Lower Upper

276 100

138 20.5 18.1 27.1

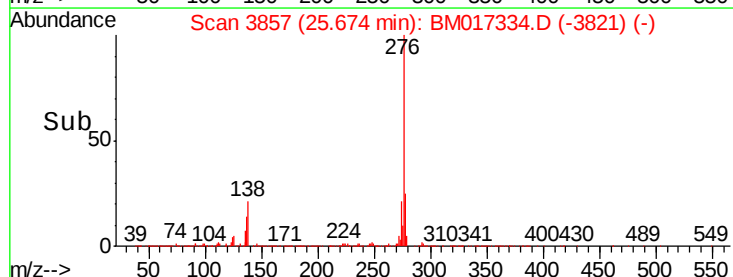
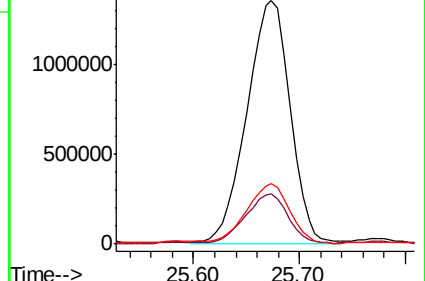
277 24.8 19.6 29.4

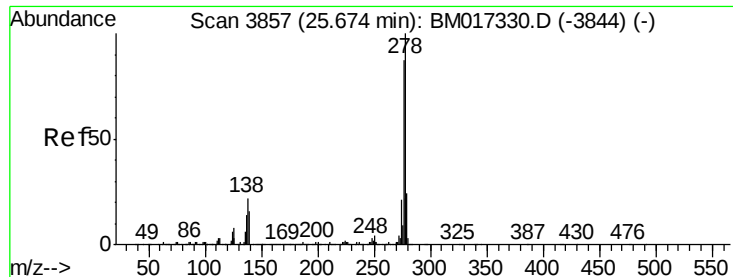


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 7.881 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

C0AD9

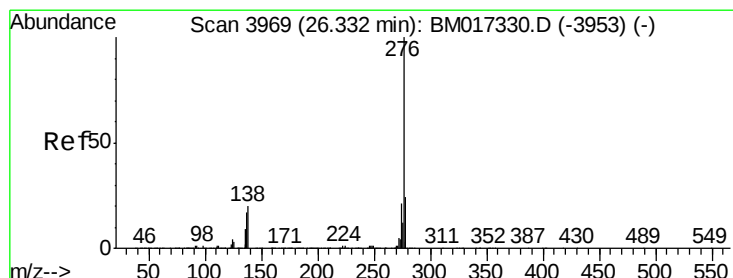
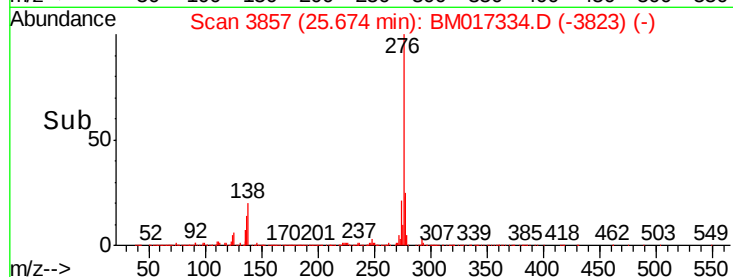
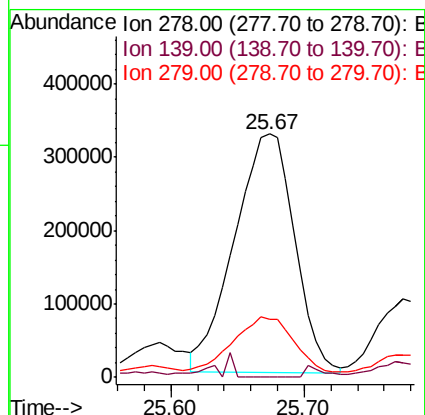
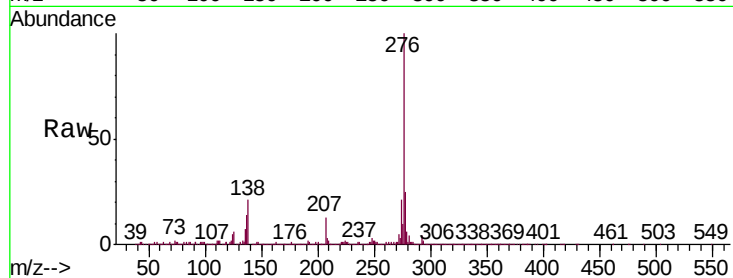
Tgt Ion:278 Resp: 1022148

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

279 23.8 19.0 28.4



#94

Benzo(g,h,i)perylene

Concen: 20.349 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.02 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Tgt Ion:276 Resp: 2684939

Ion Ratio Lower Upper

276 100

138 20.6 16.6 25.0

277 23.3 18.9 28.3

