

Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD4

Quant Time: Oct 25 02:42:36 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	7.66	152	352703	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1603444	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	929863	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2146825	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	2374399	20.00	ng/ul	0.00
86) Perylene-d12	23.47	264	2140373	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	21031	2.74	ng/uL	0.00
5) Phenol-d5	6.83	99	551831	17.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	325156	17.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	448431	17.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	430112	16.88	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	222882	17.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	261149	18.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	460261	17.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	467445	21.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1459270	18.30	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1847538	19.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	213696	14.34	ng/ul	0.00
58) Fluorene-d10	15.29	176	1295105	18.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	221652	14.82	ng/ul	0.00
71) Anthracene-d10	17.14	188	2036182	19.16	ng/ul	0.00
79) Pyrene-d10	19.45	212	2298457	20.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	2185096	19.33	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	6.86	94	180526	5.643 ng/ul	98
28) Naphthalene	10.47	128	452615	5.396 ng/ul	99
30) 4-Chloroaniline	10.47	127	58639	2.692 ng/ul#	6
34) 2-Methylnaphthalene	12.10	142	167146	2.712 ng/ul	98
35) 1-Methylnaphthalene	12.32	142	89941	1.522 ng/ul	97
45) Dimethylphthalate	13.76	163	365104	4.726 ng/ul	100
48) Acenaphthylene	14.02	152	877633	9.658 ng/ul	99
50) Acenaphthene	14.36	153	73777	1.134 ng/ul	97
54) Dibenzofuran	14.70	168	366774	3.979 ng/ul	98
70) Phenanthrene	17.09	178	1502209	12.186 ng/ul	99
72) Anthracene	17.18	178	1802026	14.392 ng/ul	99
75) Carbazole	17.46	167	451943	4.128 ng/ul	100
77) Fluoranthene	19.12	202	10101741	71.487 ng/ul	98
83) Benzo(a)anthracene	21.23	228	6350455	43.706 ng/ul	93
85) Chrysene	21.29	228	9279410	67.161 ng/ul	96
88) Benzo(b)fluoranthene	22.83	252	18092085	144.404 ng/ul#	95
89) Benzo(k)fluoranthene	22.83	252	18092085	147.832 ng/ul#	96
91) Benzo(a)pyrene	23.38	252	7757238	63.377 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.69	276	6855463	46.033 ng/ul	97
93) Dibenzo(a,h)anthracene	25.79	278	453310	3.645 ng/ul	92
94) Benzo(g,h,i)perylene	26.37	276	5552070	43.884 ng/ul	99

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

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 25 02:39:26 2018
Response via : Initial Calibration

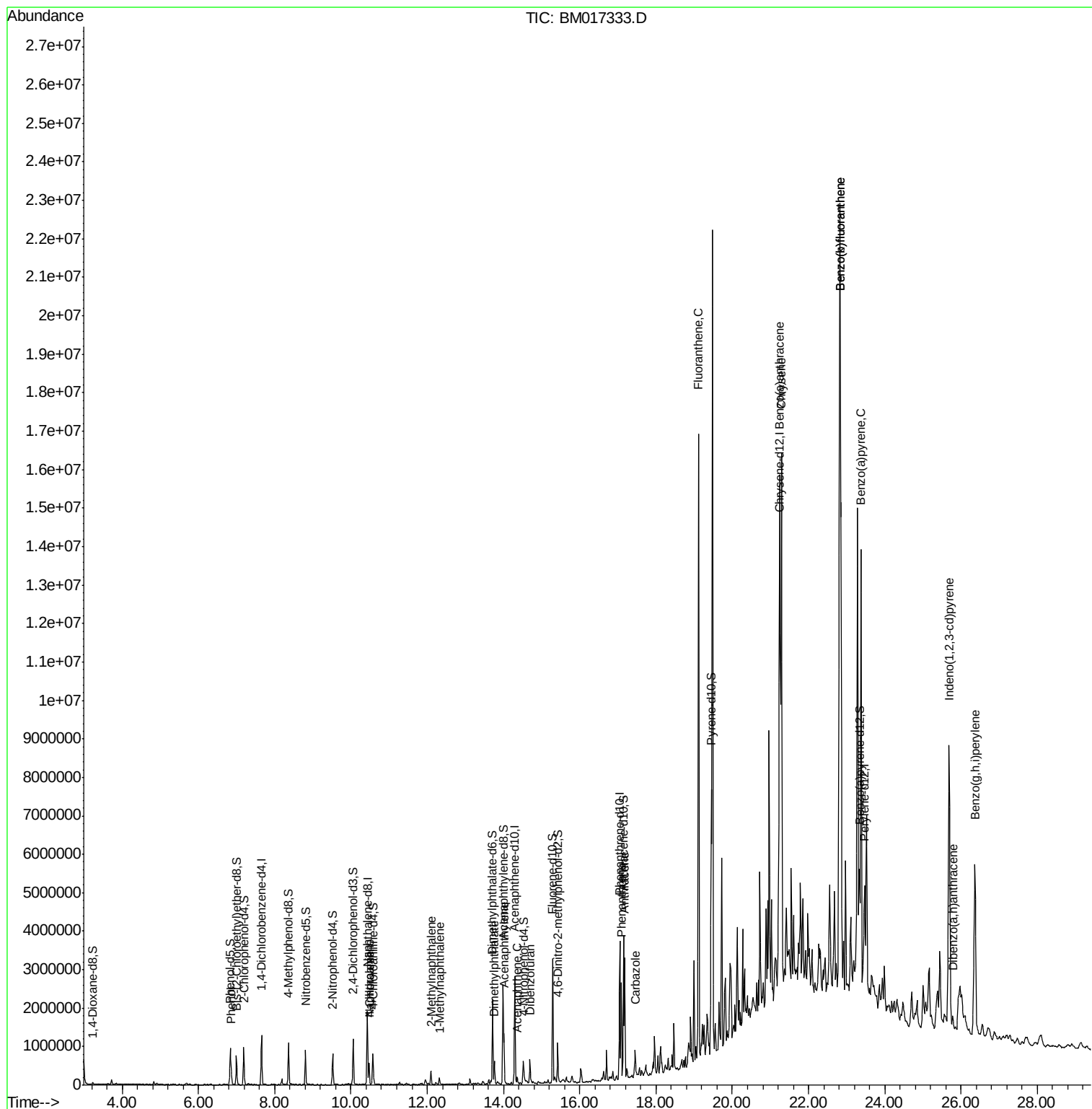
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

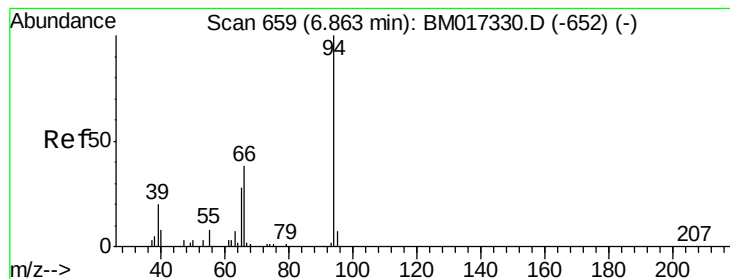
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 5.643 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampled :

C0AD4

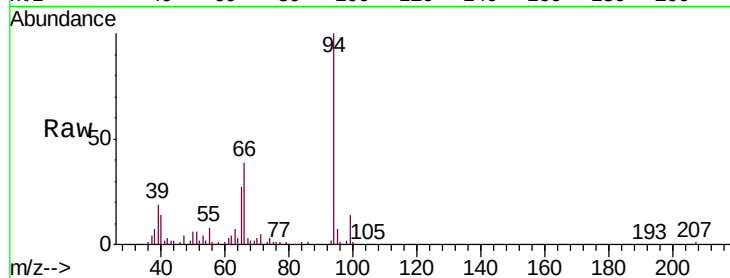
Tgt Ion: 94 Resp: 180526

Ion Ratio Lower Upper

94 100

65 27.2 24.0 36.0

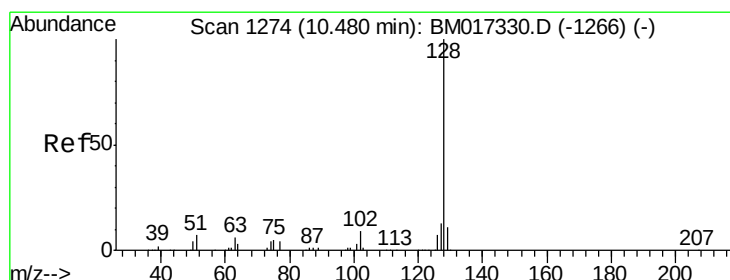
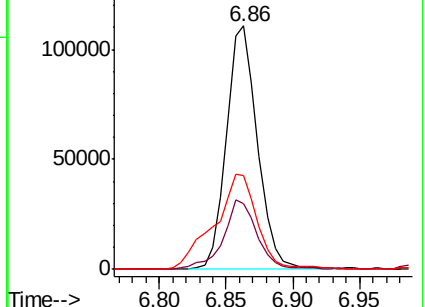
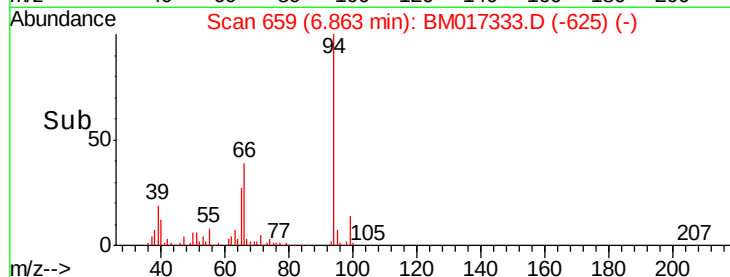
66 38.8 31.1 46.7



Abundance Ion 94.00 (93.70 to 94.70): BM017333.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM017333.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM017333.D (-652) (-)



#28

Naphthalene

Concen: 5.396 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

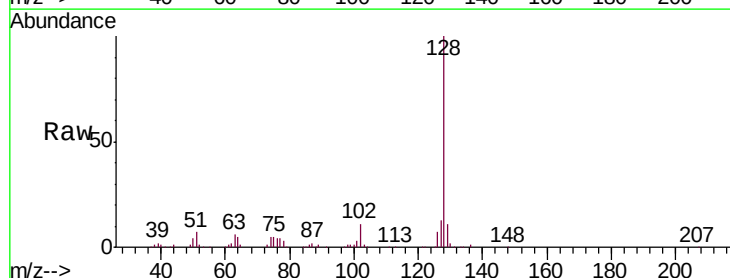
Tgt Ion: 128 Resp: 452615

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

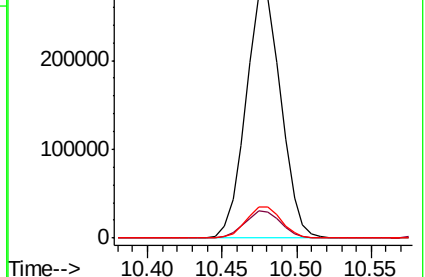
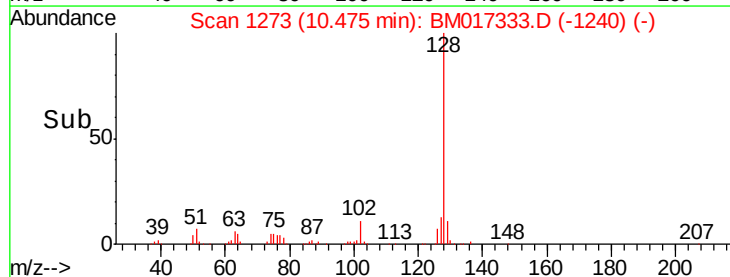
127 13.0 10.3 15.5

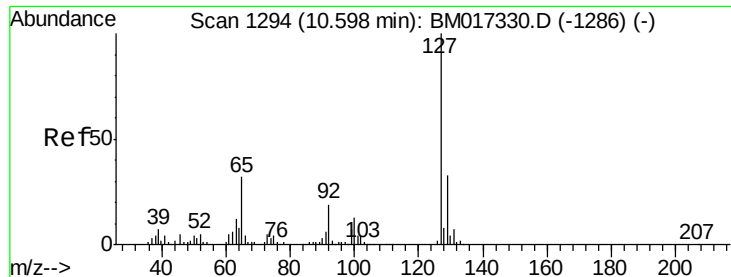


Abundance Ion 128.00 (127.70 to 128.70): BM017333.D (-1240) (-)

Ion 129.00 (128.70 to 129.70): BM017333.D (-1240) (-)

Ion 127.00 (126.70 to 127.70): BM017333.D (-1240) (-)

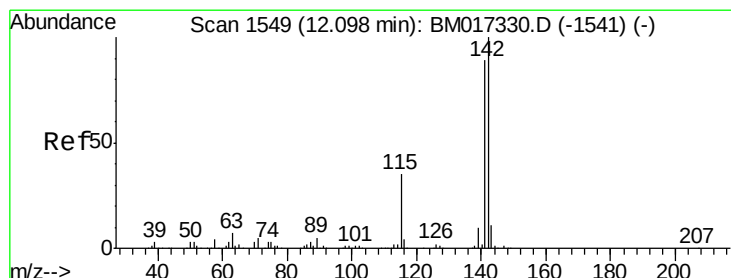
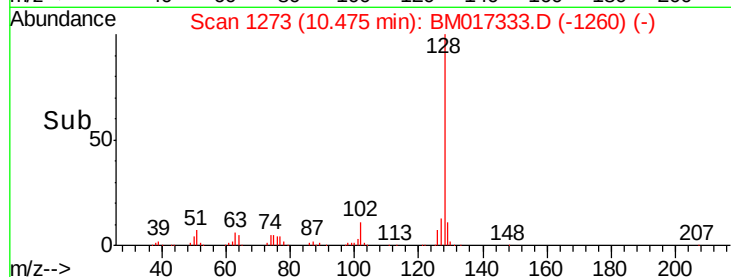
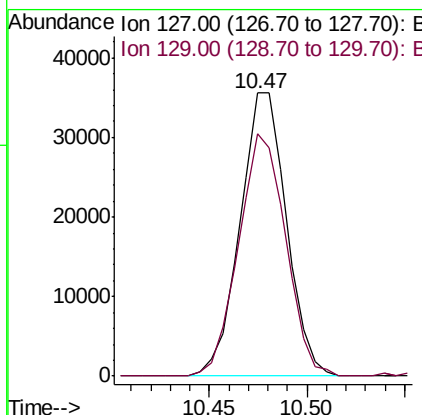
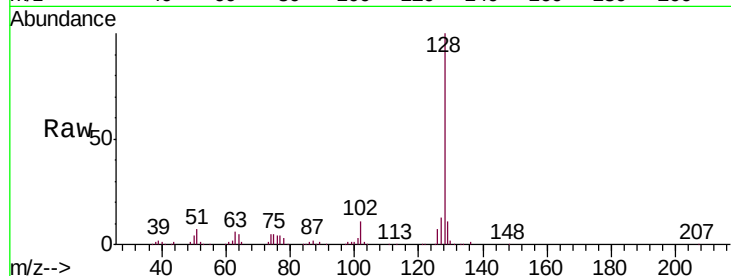




#30
4-Chloroaniline
Concen: 2.692 ng/ul
RT: 10.47 min Scan# 1273
Delta R.T. -0.12 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

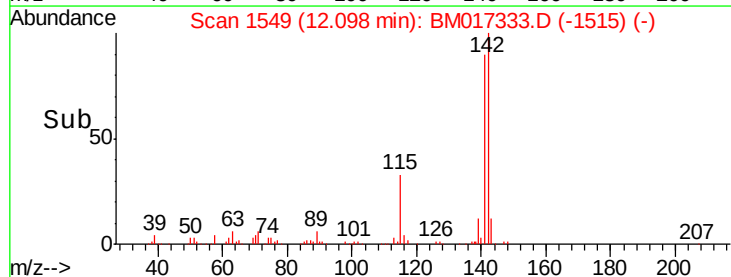
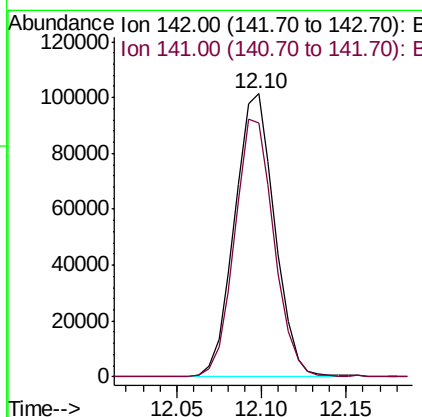
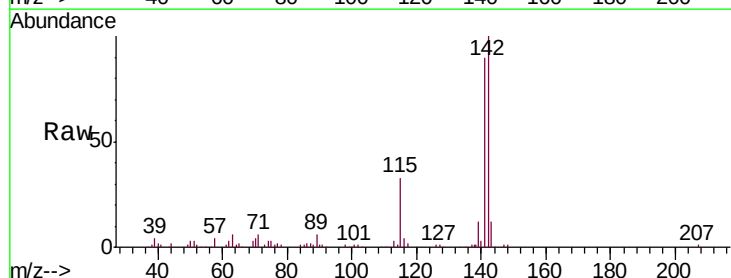
Instrument :
BNA_M
ClientSampleId :
C0AD4

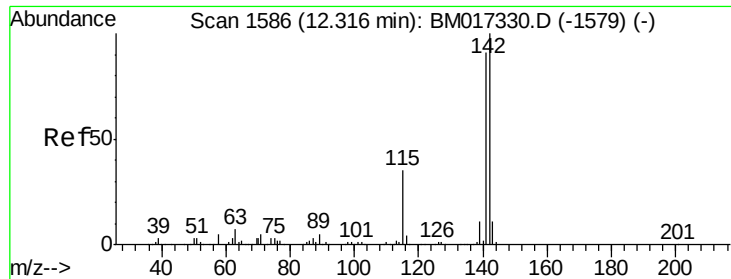
Tgt Ion:127 Resp: 58639
Ion Ratio Lower Upper
127 100
129 85.6 26.2 39.4#



#34
2-Methylnaphthalene
Concen: 2.712 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

Tgt Ion:142 Resp: 167146
Ion Ratio Lower Upper
142 100
141 89.6 70.4 105.6





#35

1-Methylnaphthalene

Concen: 1.522 ng/ul

RT: 12.32 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampleId :

C0AD4

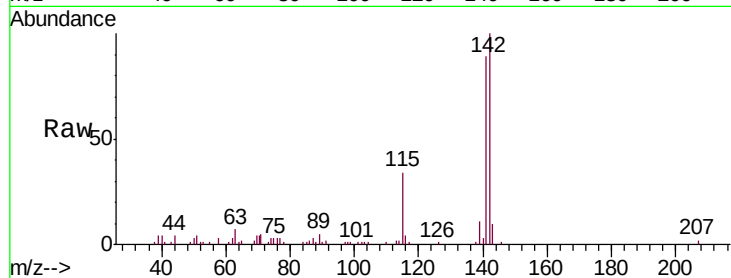
Tgt Ion:142 Resp: 89941

Ion Ratio Lower Upper

142 100

141 89.2 73.9 110.9

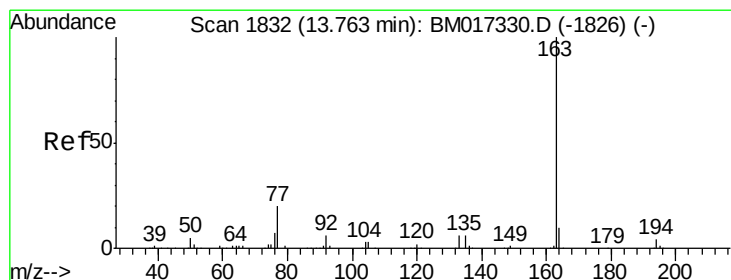
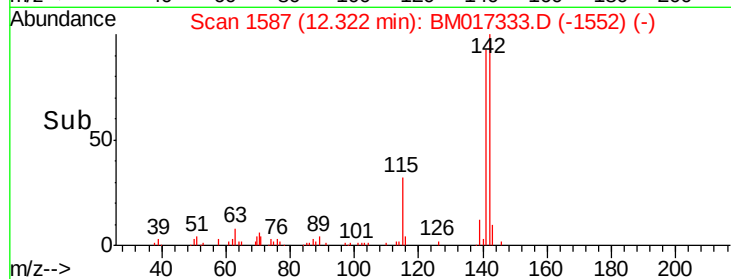
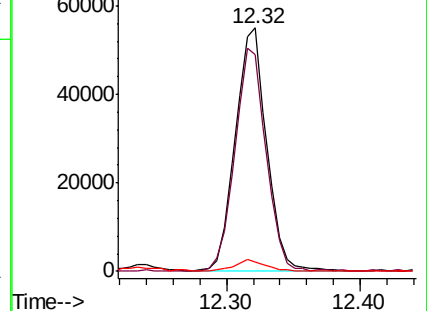
116 3.9 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 4.726 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

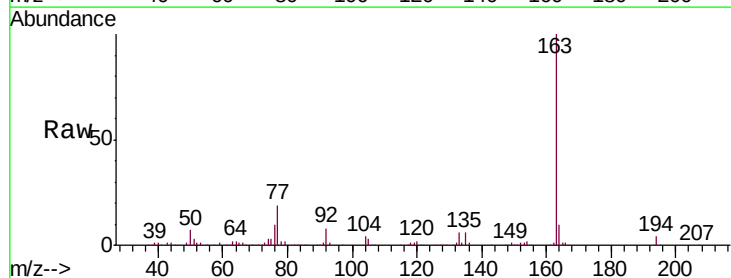
Tgt Ion:163 Resp: 365104

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

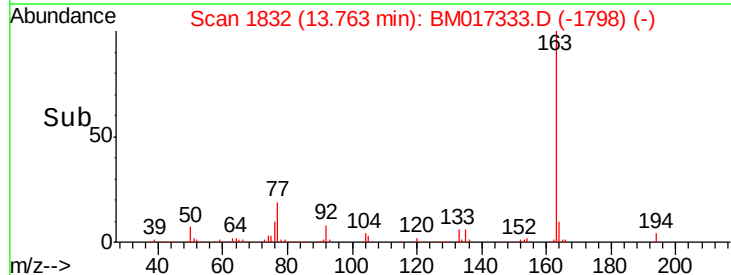
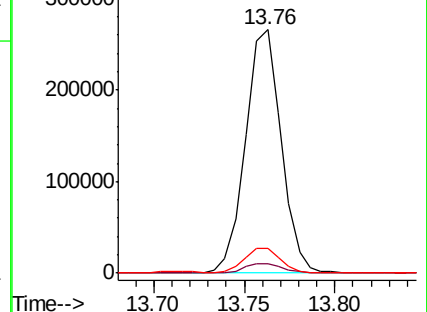
164 9.9 8.1 12.1

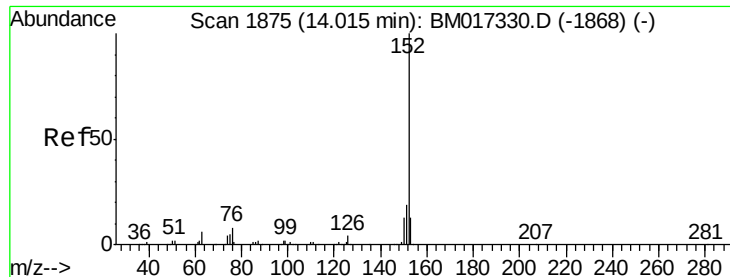


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 9.658 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampleId :

C0AD4

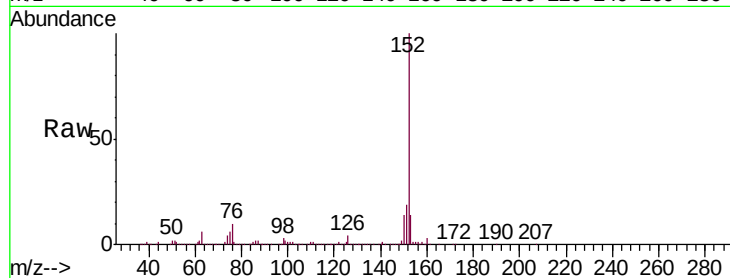
Tgt Ion:152 Resp: 877633

Ion Ratio Lower Upper

152 100

151 19.5 15.3 22.9

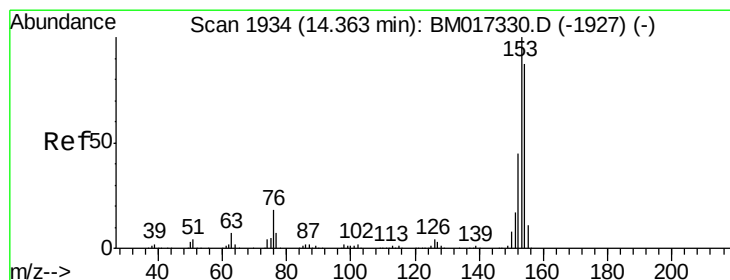
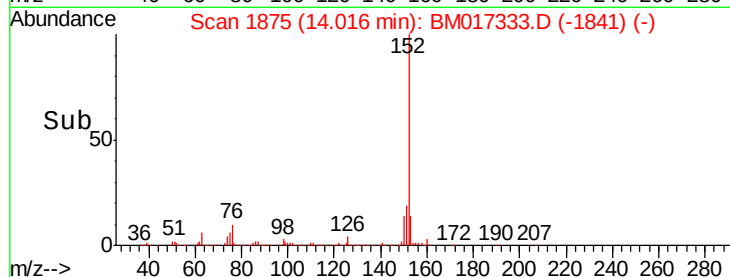
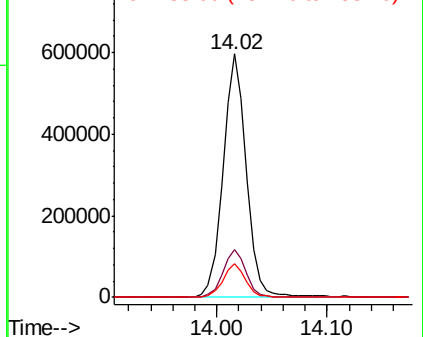
153 13.6 10.2 15.4



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



#50

Acenaphthene

Concen: 1.134 ng/ul

RT: 14.36 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

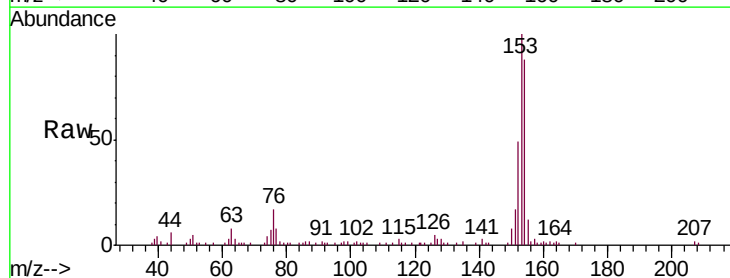
Tgt Ion:153 Resp: 73777

Ion Ratio Lower Upper

153 100

152 49.2 36.9 55.3

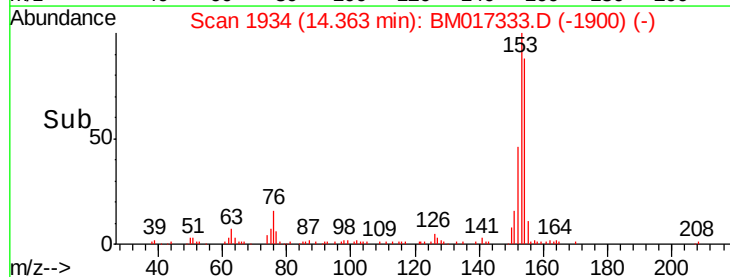
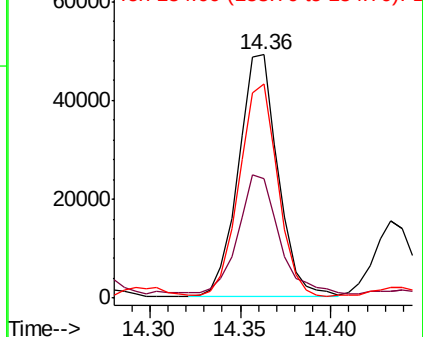
154 88.0 72.2 108.4

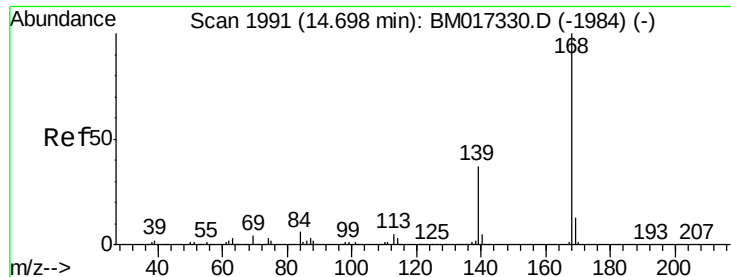


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 3.979 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampled :

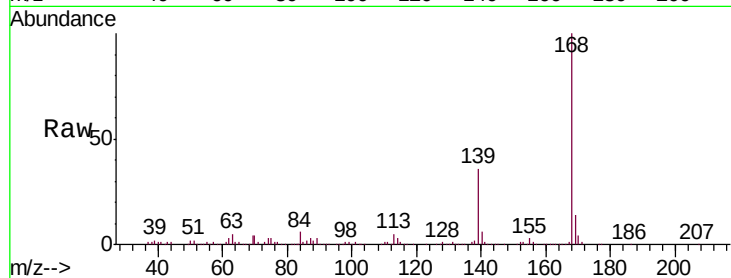
C0AD4

Tgt Ion:168 Resp: 366774

Ion Ratio Lower Upper

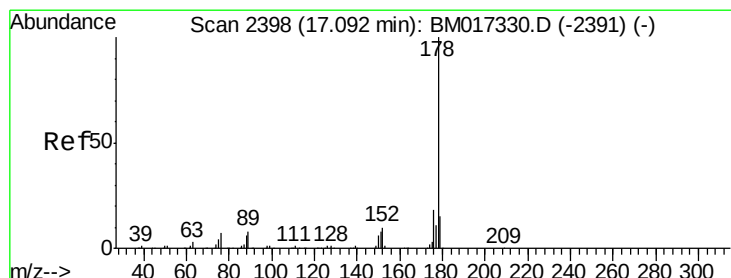
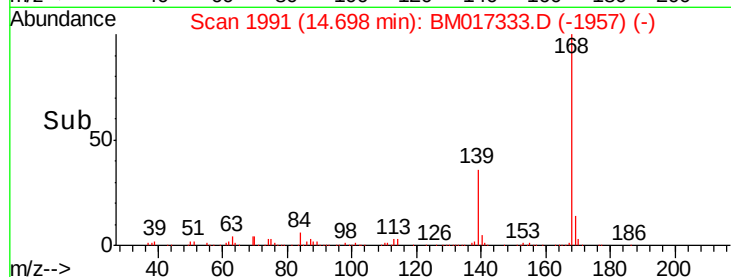
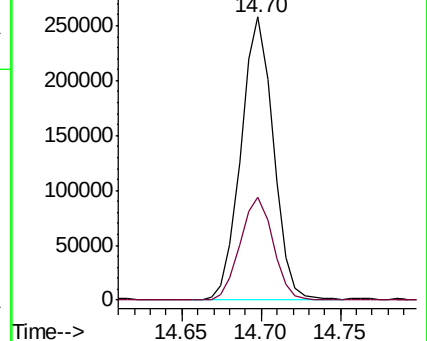
168 100

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



#70

Phenanthrene

Concen: 12.186 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

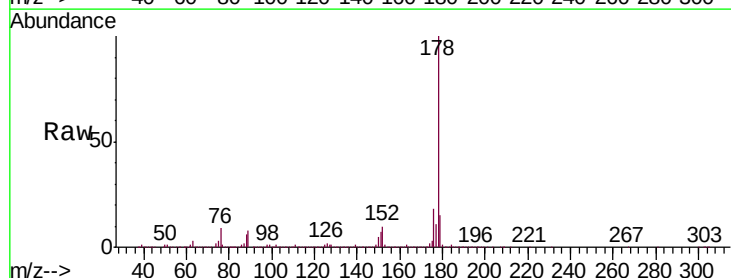
Tgt Ion:178 Resp: 1502209

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

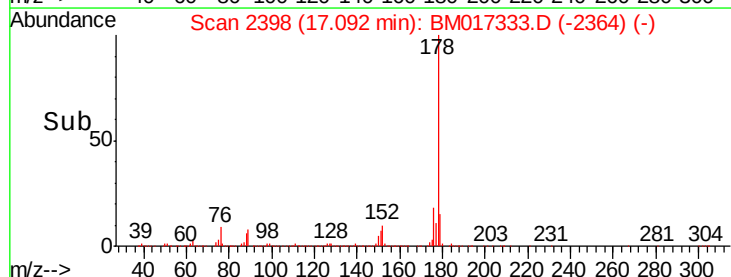
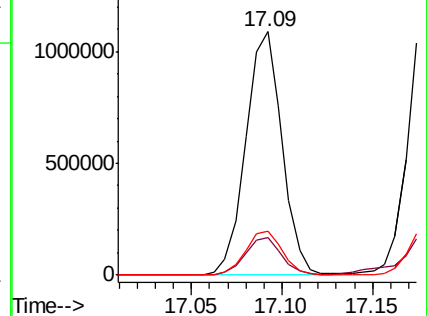
176 18.1 14.9 22.3

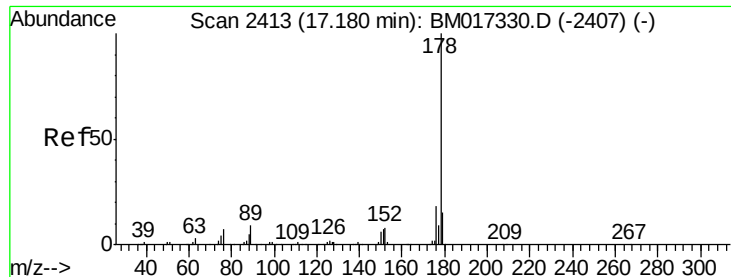


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 14.392 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

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ClientSampleId :

C0AD4

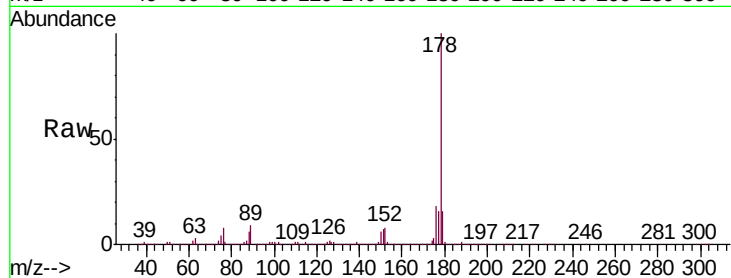
Tgt Ion:178 Resp: 1802026

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

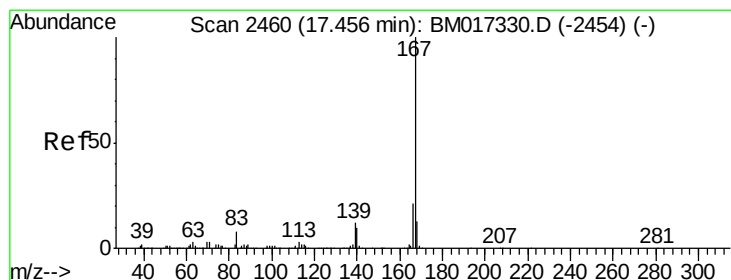
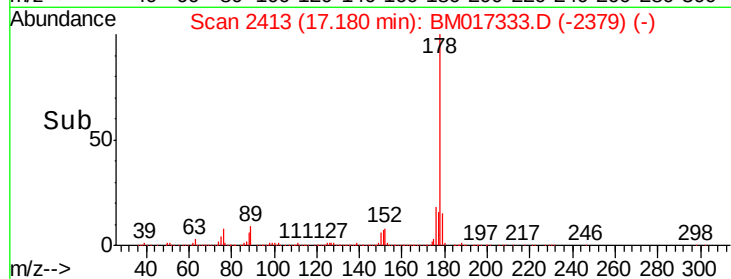
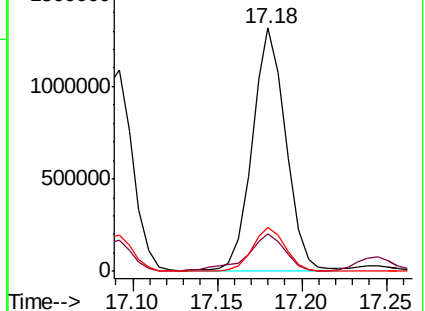
176 17.9 14.2 21.2



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: 4.128 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

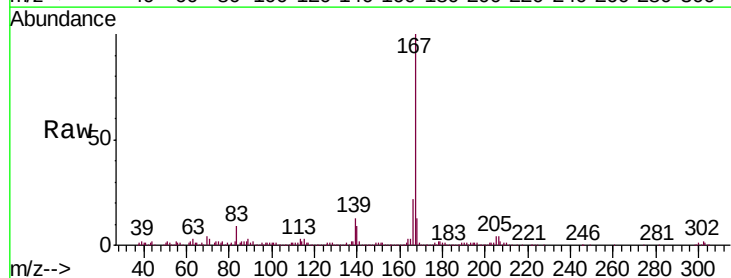
Tgt Ion:167 Resp: 451943

Ion Ratio Lower Upper

167 100

166 21.6 17.5 26.3

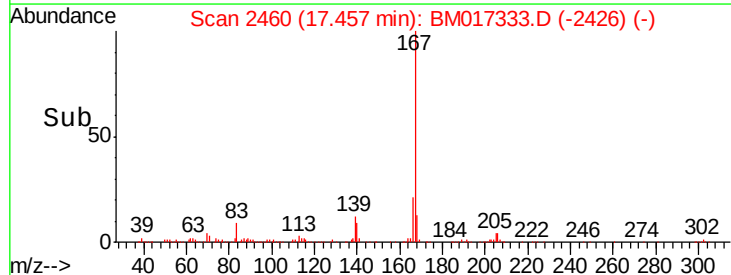
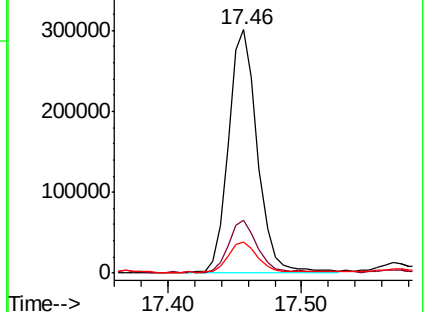
139 12.6 10.0 15.0

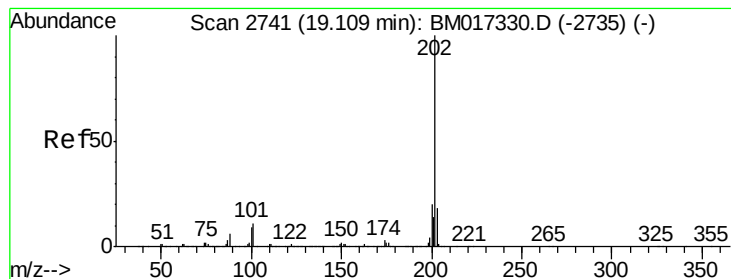


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 71.487 ng/ul

RT: 19.12 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampleId :

C0AD4

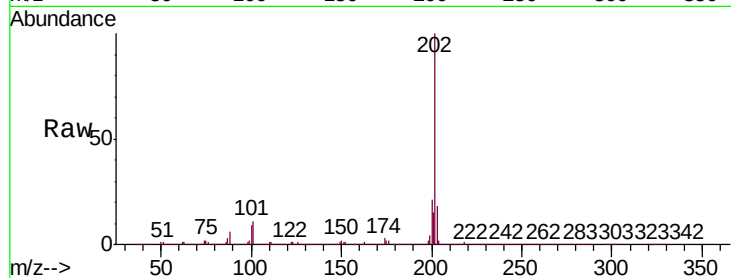
Tgt Ion:202 Resp:10101741

Ion Ratio Lower Upper

202 100

101 11.0 8.2 12.4

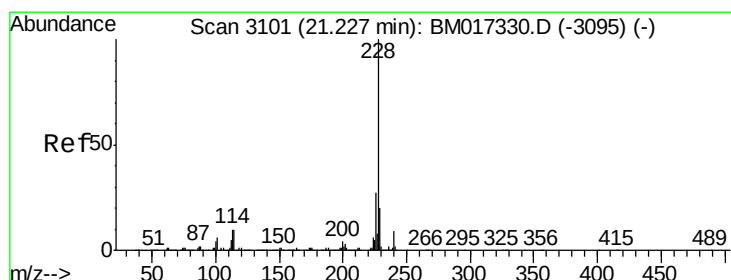
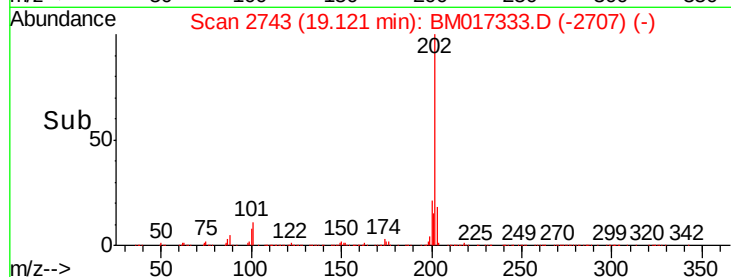
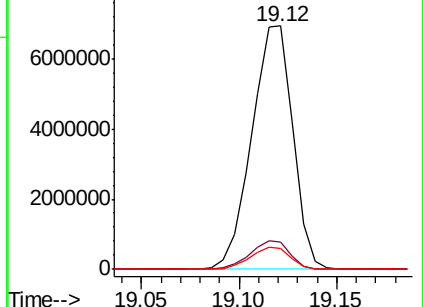
100 8.6 6.3 9.5



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



#83

Benzo(a)anthracene

Concen: 43.706 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

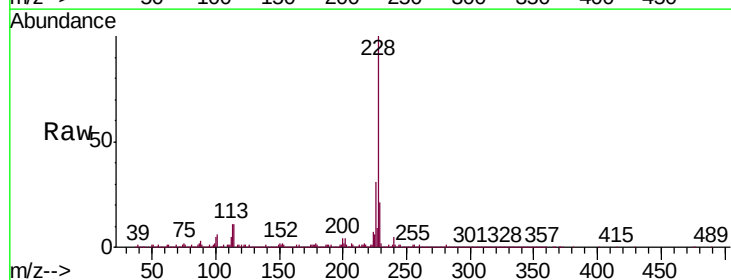
Tgt Ion:228 Resp: 6350455

Ion Ratio Lower Upper

228 100

229 21.1 15.6 23.4

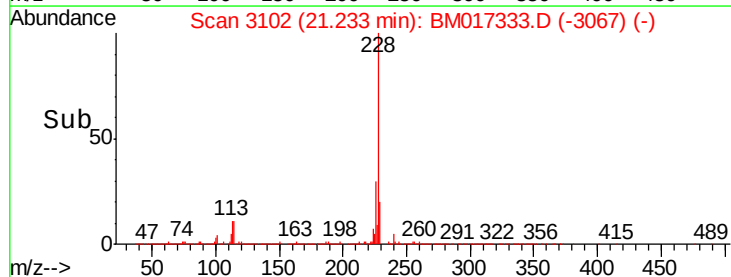
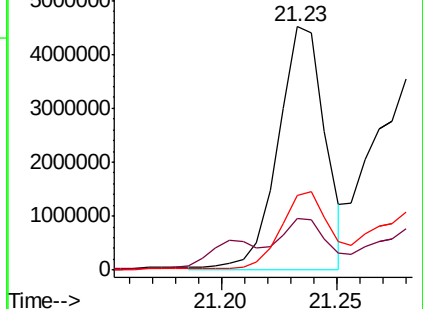
226 30.5 20.8 31.2

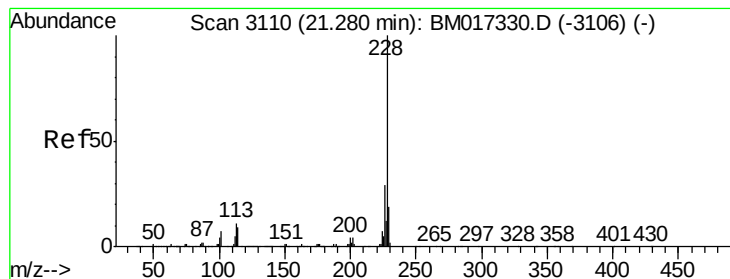


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 67.161 ng/ul

RT: 21.29 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

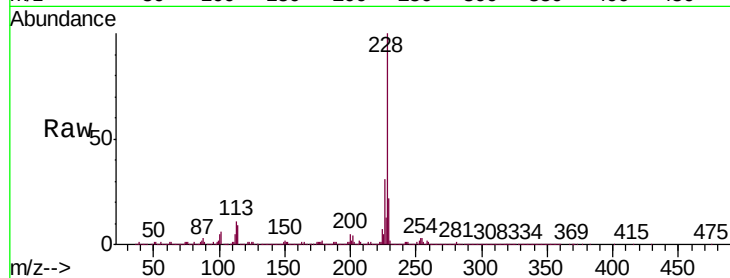
BNA_M

ClientSampleId :

C0AD4

Tgt Ion:228 Resp: 9279410

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.3	34.9
229	22.3	15.6	23.4

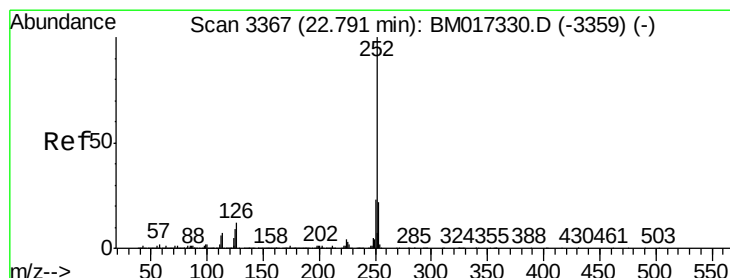
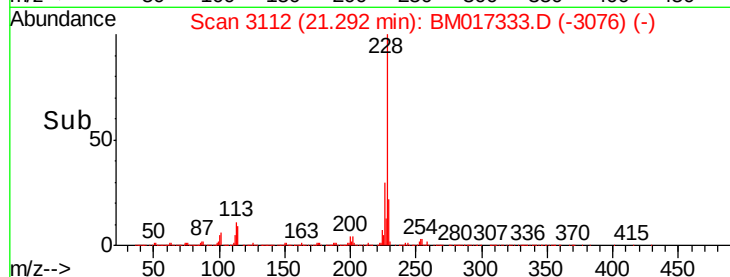
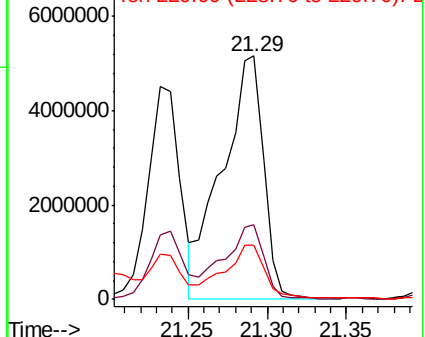


Abundance

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: 144.404 ng/ul

RT: 22.83 min Scan# 3373

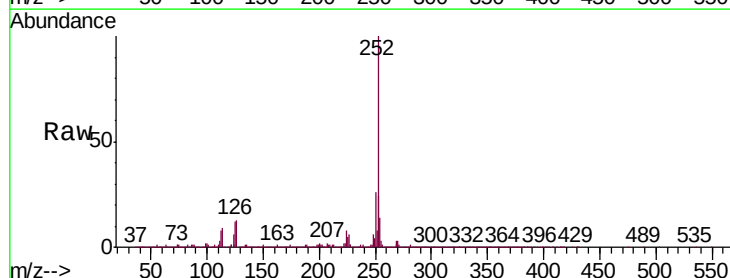
Delta R.T. 0.04 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Tgt Ion:252 Resp:18092085

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	11.9	7.2	10.8#

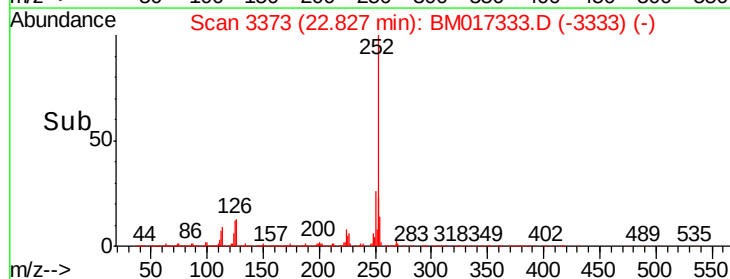
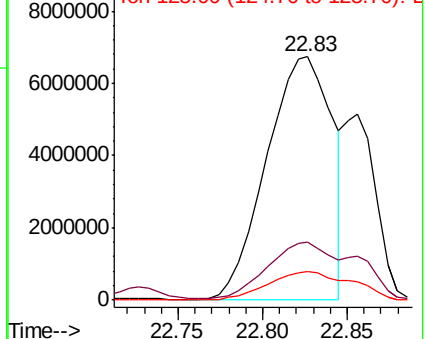


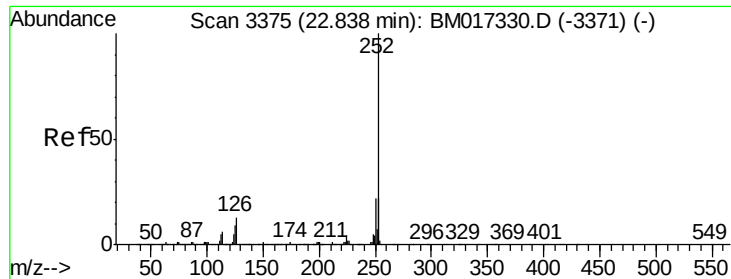
Abundance

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: 147.832 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampleId :

C0AD4

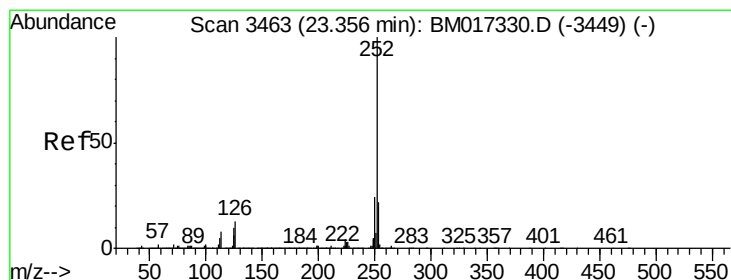
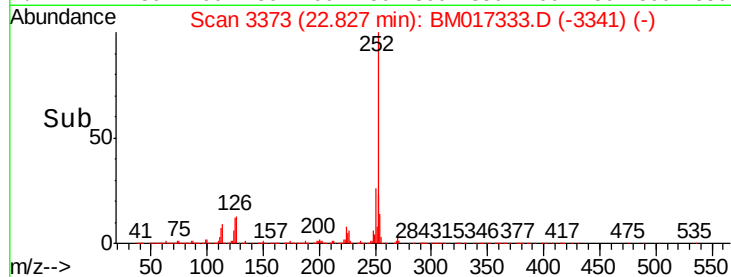
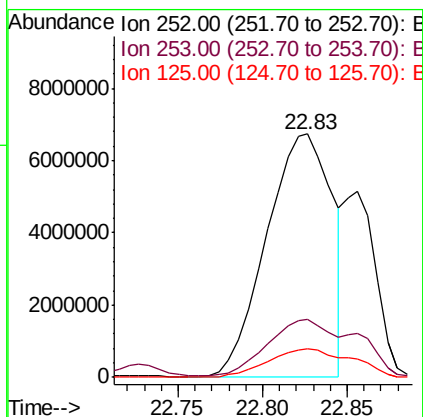
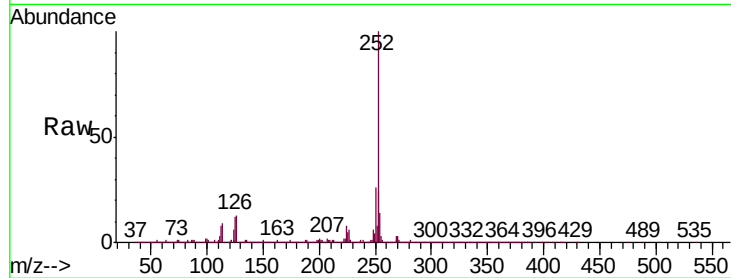
Tgt Ion:252 Resp:18092085

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 11.9 7.8 11.6#



#91

Benzo(a)pyrene

Concen: 63.377 ng/ul

RT: 23.38 min Scan# 3467

Delta R.T. 0.02 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

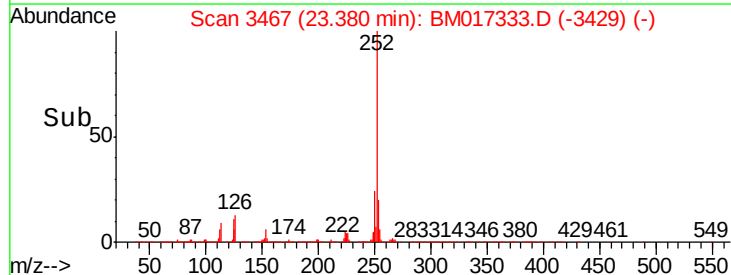
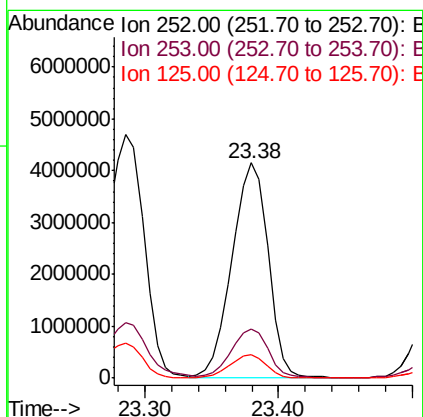
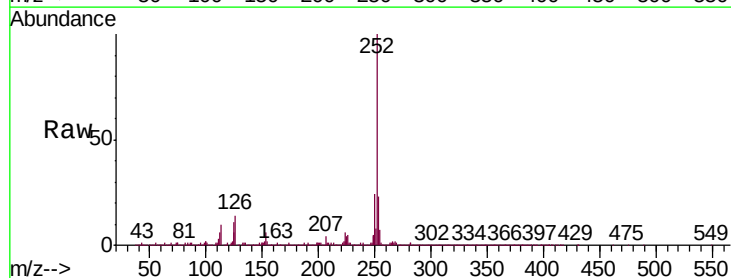
Tgt Ion:252 Resp: 7757238

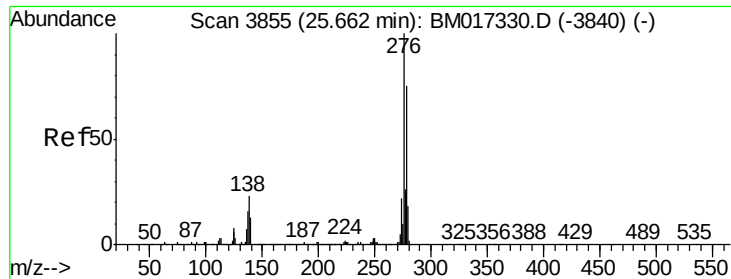
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.1 8.3 12.5



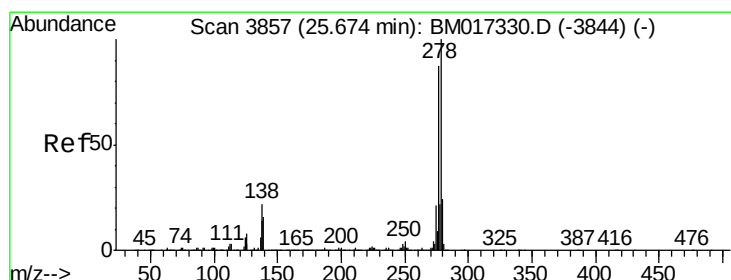
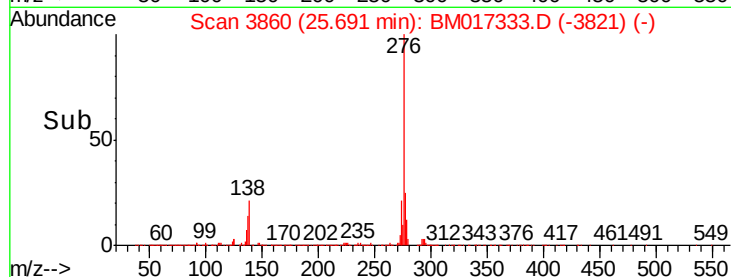
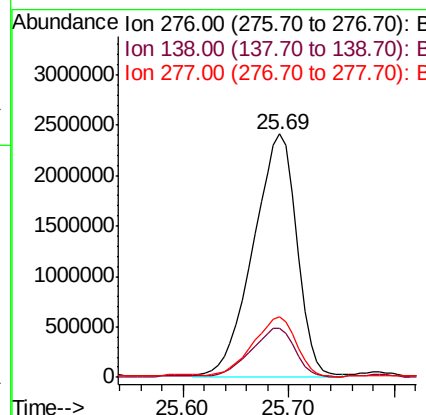
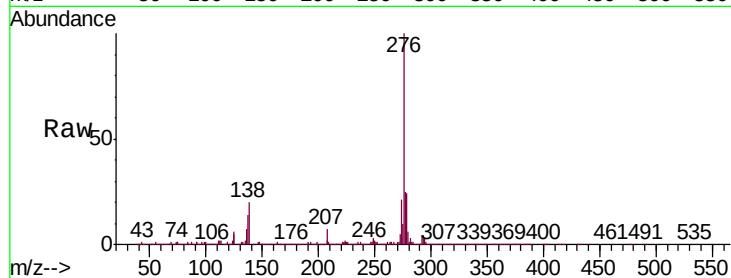


#92

Indeno(1,2,3-cd)pyrene
Concen: 46.033 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.03 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

Instrument :
BNA_M
ClientSampleId :
C0AD4

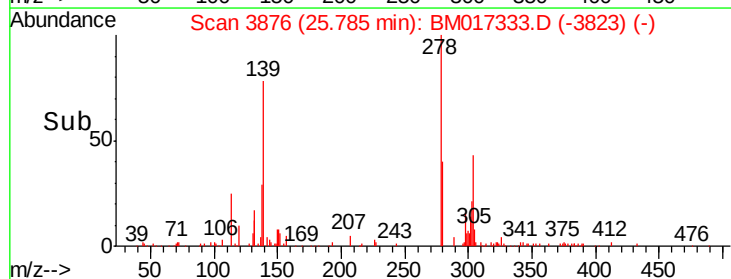
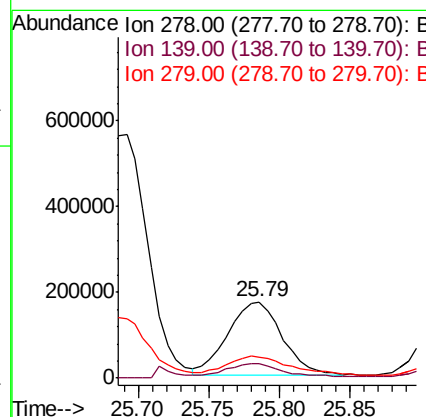
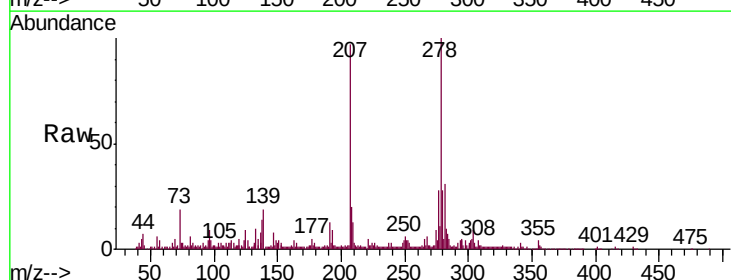
Tgt Ion:276 Resp: 6855463
Ion Ratio Lower Upper
276 100
138 20.3 18.1 27.1
277 24.8 19.6 29.4

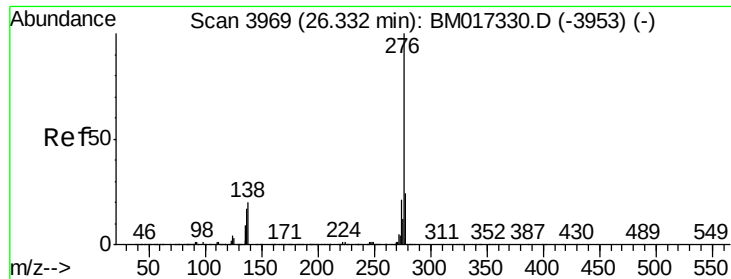


#93

Dibenzo(a,h)anthracene
Concen: 3.645 ng/ul
RT: 25.79 min Scan# 3876
Delta R.T. 0.11 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

Tgt Ion:278 Resp: 453310
Ion Ratio Lower Upper
278 100
139 19.0 12.7 19.1
279 28.1 19.0 28.4





#94

Benzo(g,h,i)perylene

Concen: 43.884 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.04 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampleId :

C0AD4

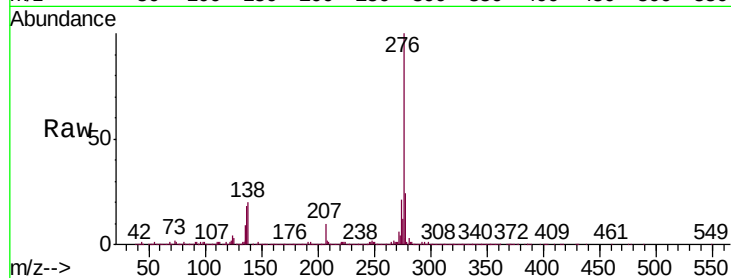
Tgt Ion:276 Resp: 5552070

Ion Ratio Lower Upper

276 100

138 20.0 16.6 25.0

277 23.8 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

