

Data File : BM023235.D
Acq On : 18 Oct 2019 00:29
Operator : JU
Sample : K5236-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPC3

Quant Time: Oct 18 06:59:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 18 06:52:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	326262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1292750	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	803694	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1655475	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1716140	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	2075061	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	24008	3.24	ng/uL	0.00
5) Phenol-d5	6.84	99	434290	15.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	259348	16.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	362289	16.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	301249	13.20	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	175063	20.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	192948	23.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	370490	17.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	396937	15.41	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1158911	18.82	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1352498	18.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	135237	13.56	ng/ul	0.00
58) Fluorene-d10	15.30	176	996631	18.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	105455	16.07	ng/ul	0.00
71) Anthracene-d10	17.15	188	1566479	19.62	ng/ul	0.00
79) Pyrene-d10	19.45	212	1954302	23.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2343736	22.28	ng/ul	0.00

Target Compounds

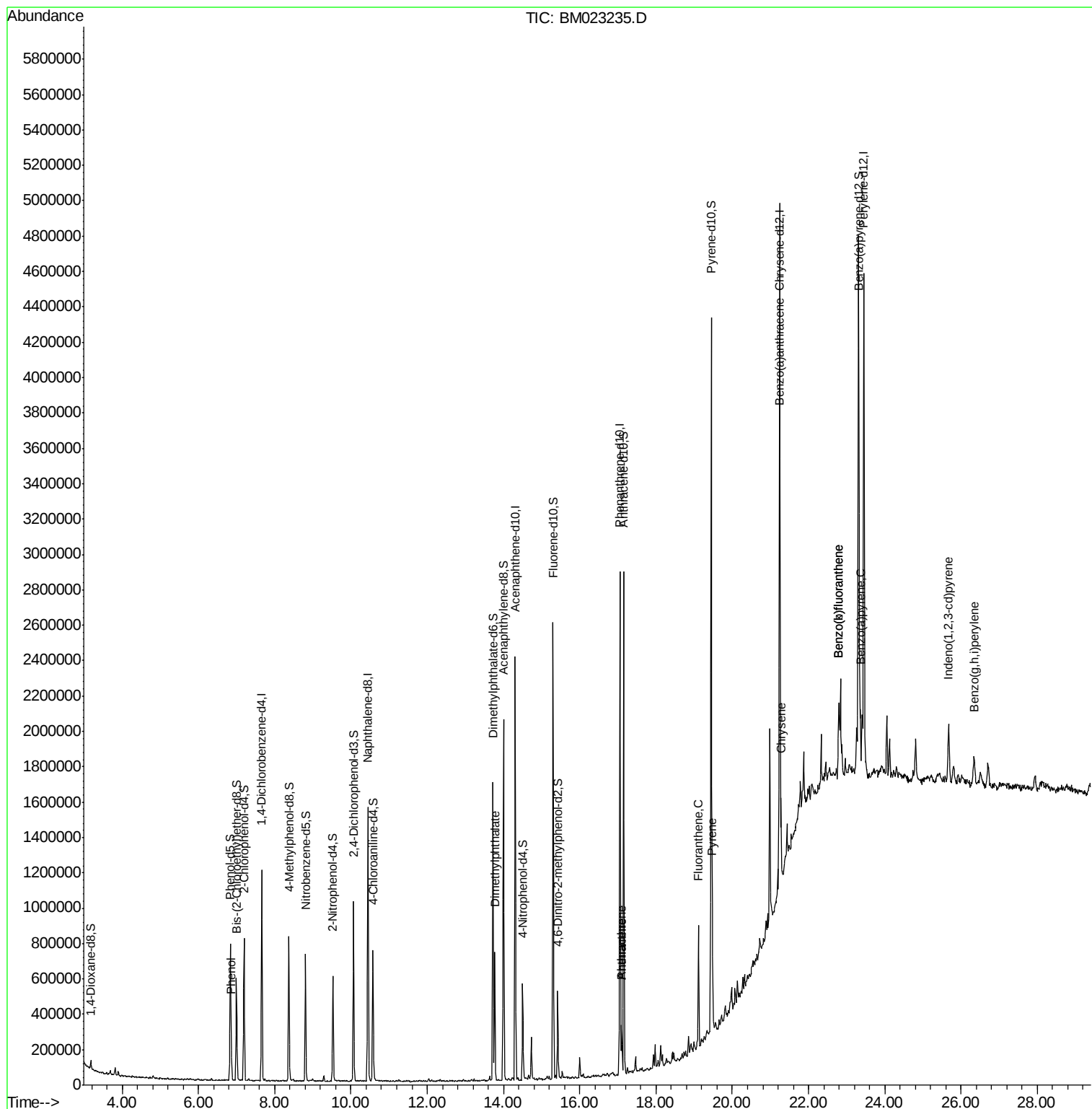
						Qvalue
6) Phenol	6.86	94	72687	2.480	ng/ul	99
45) Dimethylphthalate	13.77	163	467580	7.585	ng/ul	99
70) Phenanthrene	17.09	178	165468	1.781	ng/ul	97
72) Anthracene	17.09	178	165573	1.725	ng/ul	97
77) Fluoranthene	19.12	202	394579	3.571	ng/ul	99
80) Pyrene	19.48	202	438783	4.081	ng/ul	98
83) Benzo(a)anthracene	21.23	228	264910	2.278	ng/ul	96
85) Chrysene	21.28	228	296962	2.750	ng/ul	97
88) Benzo(b)fluoranthene	22.79	252	400193	3.181	ng/ul#	96
89) Benzo(k)fluoranthene	22.79	252	400193	3.313	ng/ul#	96
91) Benzo(a)pyrene	23.36	252	283453	2.348	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.67	276	188808	1.315	ng/ul	97
94) Benzo(g,h,i)perylene	26.34	276	182236	1.541	ng/ul	98

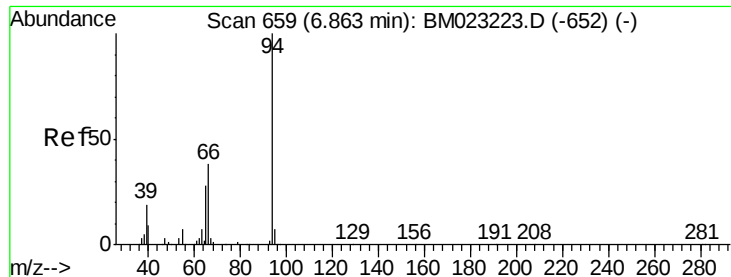
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.480 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

Instrument :

BNA_M

ClientSampleId :

BEPC3

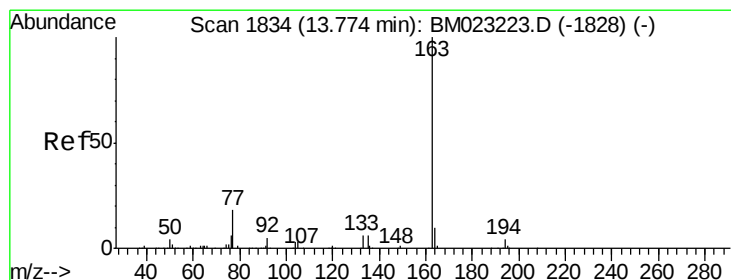
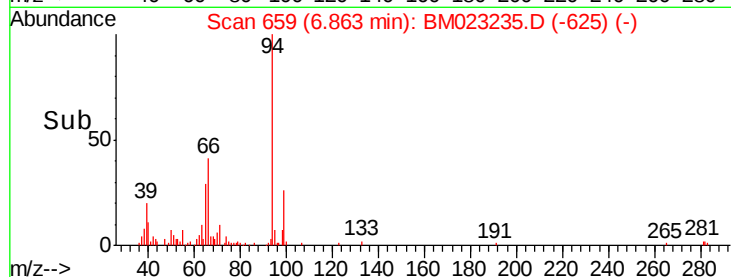
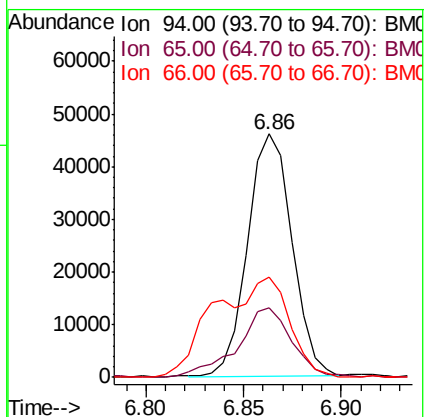
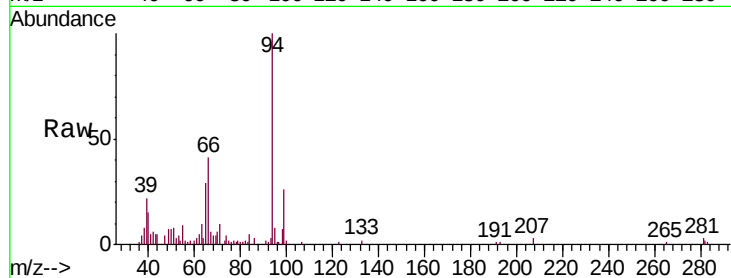
Tgt Ion: 94 Resp: 72687

Ion Ratio Lower Upper

94 100

65 28.5 23.7 35.5

66 41.0 32.9 49.3



#45

Dimethylphthalate

Concen: 7.585 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

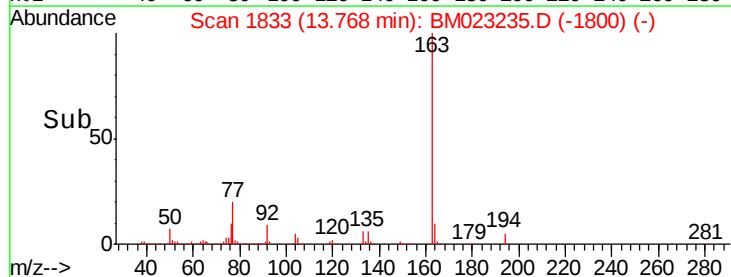
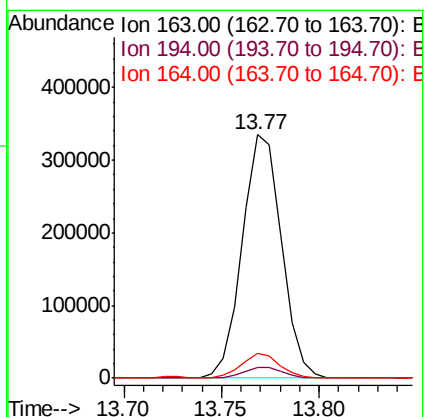
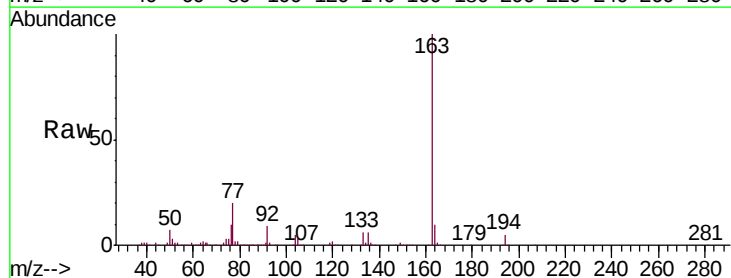
Tgt Ion: 163 Resp: 467580

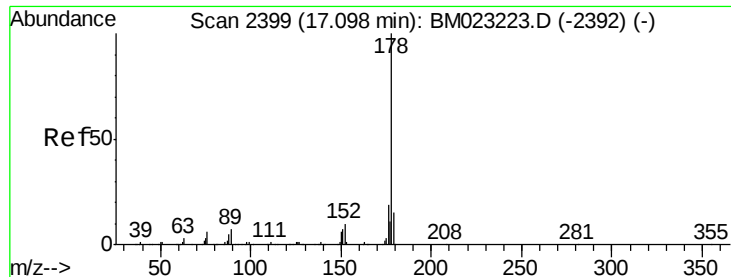
Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

164 10.4 8.0 12.0





#70

Phenanthrene

Concen: 1.781 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

Instrument :

BNA_M

ClientSampled :

BEPC3

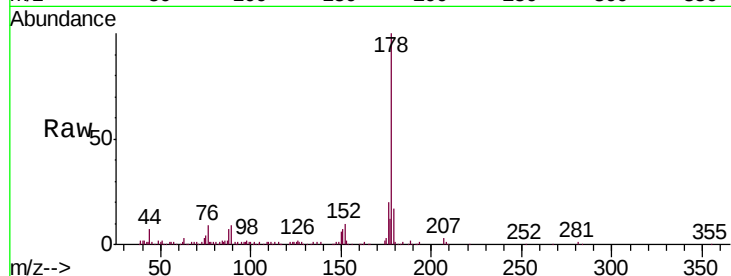
Tgt Ion:178 Resp: 165468

Ion Ratio Lower Upper

178 100

179 16.9 12.3 18.5

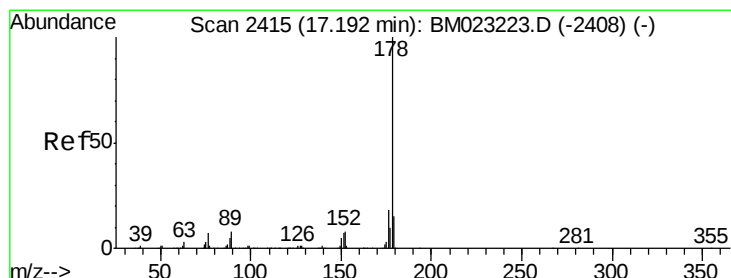
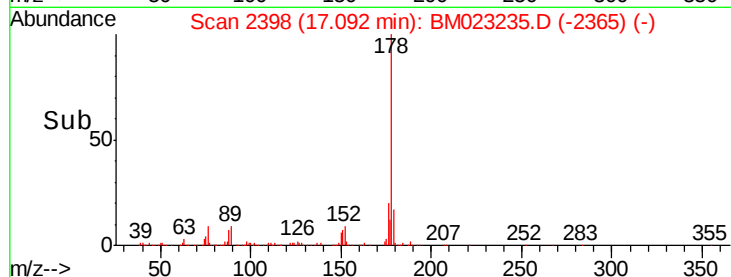
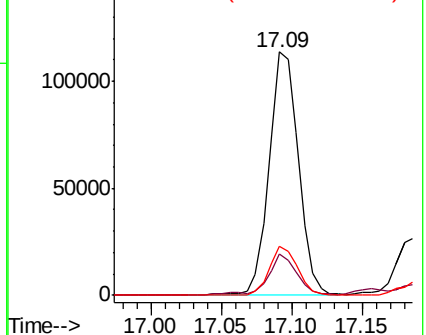
176 20.2 15.5 23.3



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: 1.725 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.10 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

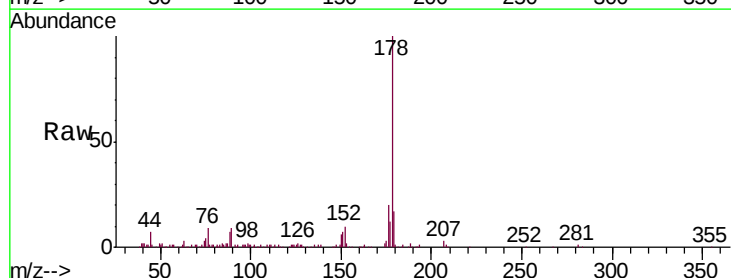
Tgt Ion:178 Resp: 165573

Ion Ratio Lower Upper

178 100

179 16.9 12.3 18.5

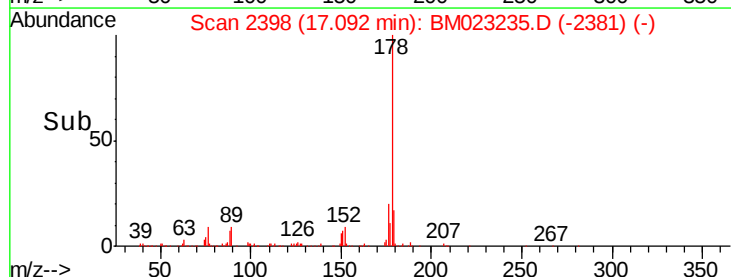
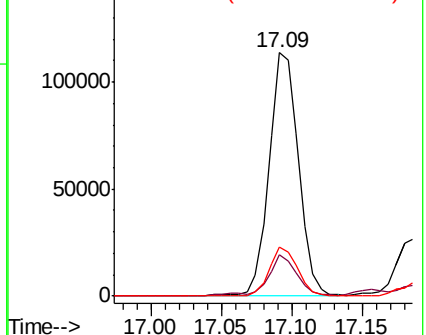
176 20.2 15.0 22.4

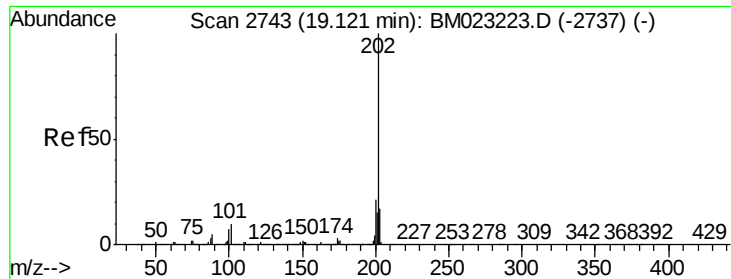


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

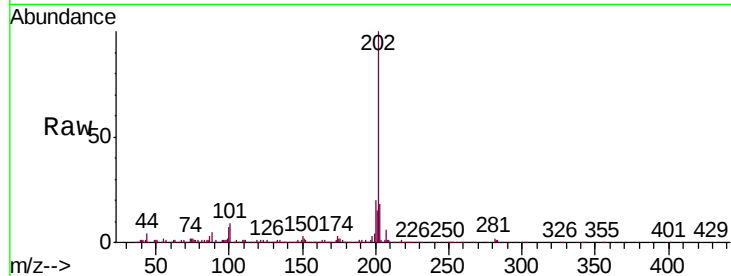




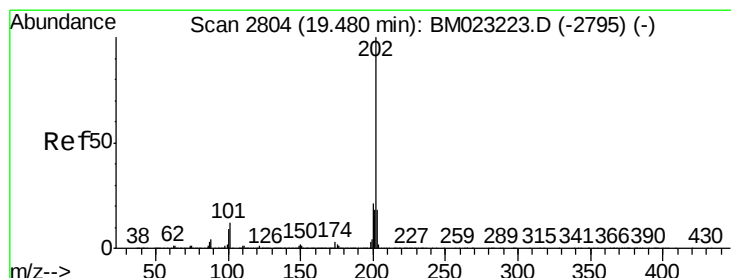
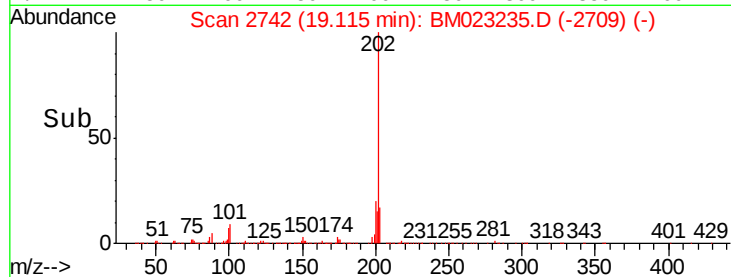
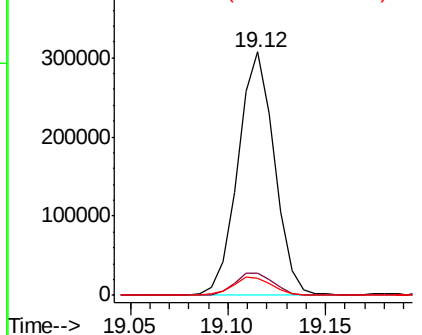
#77
 Fluoranthene
 Concen: 3.571 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. -0.01 min
 Lab File: BM023235.D
 Acq: 18 Oct 2019 00:29

Instrument :
 BNA_M
 ClientSampleId :
 BEPC3

Tgt Ion:	202	Resp:	394579
Ion Ratio	Lower	Upper	
202	100		
101	9.2	7.8	11.8
100	7.2	6.1	9.1

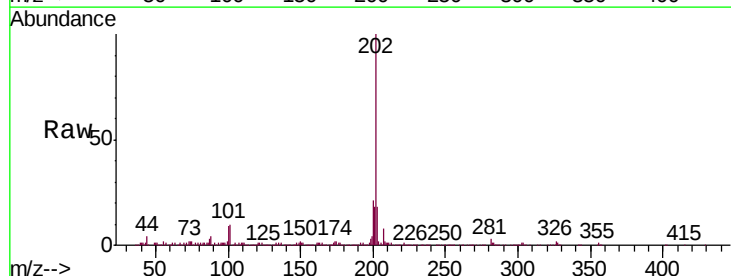


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

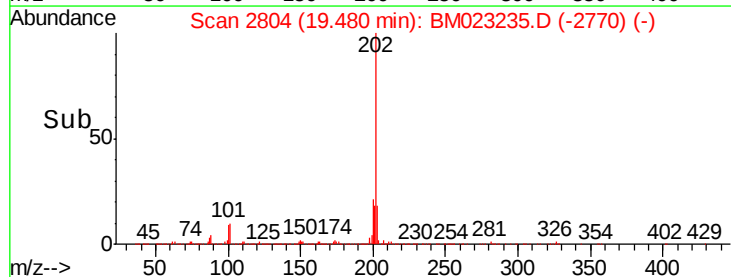
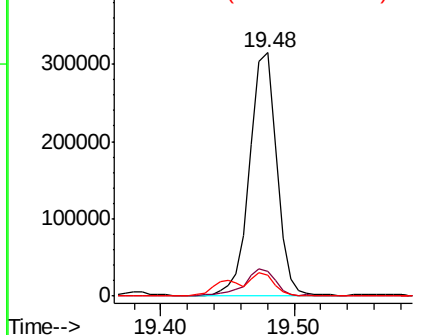


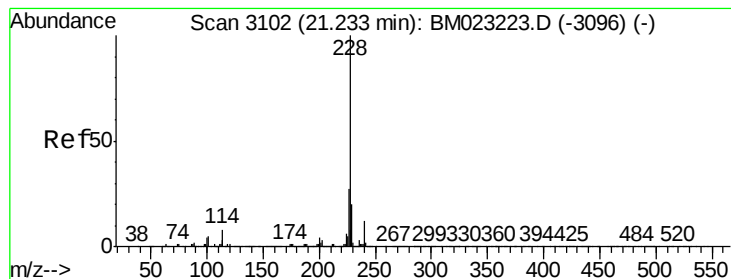
#80
 Pyrene
 Concen: 4.081 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM023235.D
 Acq: 18 Oct 2019 00:29

Tgt Ion:	202	Resp:	438783
Ion Ratio	Lower	Upper	
202	100		
101	10.4	9.1	13.7
100	8.6	7.5	11.3



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: 2.278 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

Instrument :

BNA_M

ClientSampleId :

BEPC3

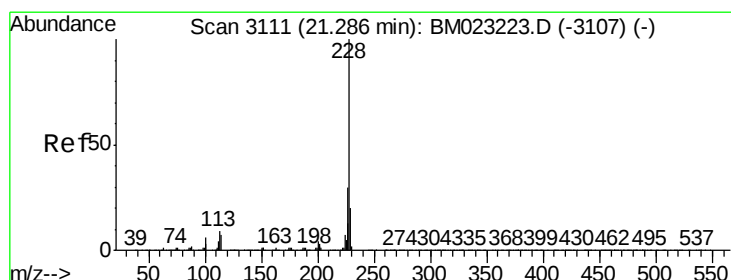
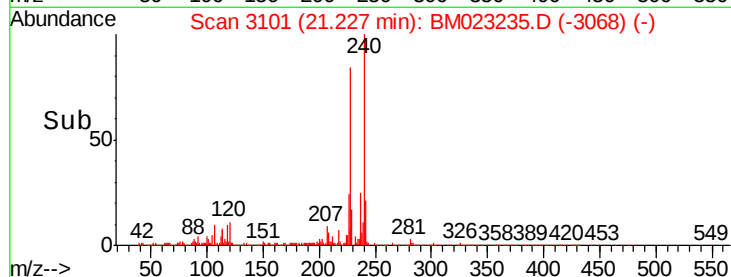
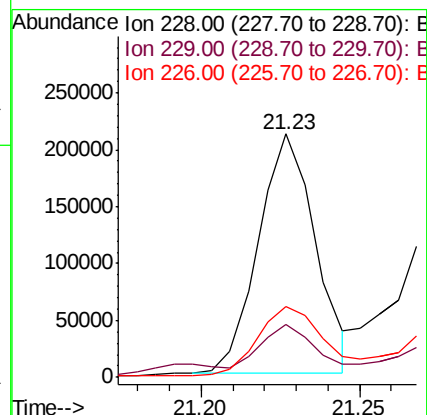
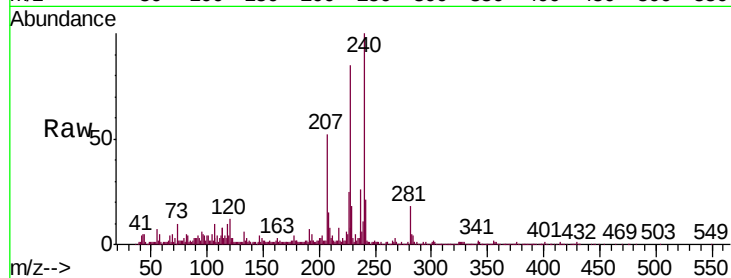
Tgt Ion:228 Resp: 264910

Ion Ratio Lower Upper

228 100

229 21.5 15.7 23.5

226 29.0 21.6 32.4



#85

Chrysene

Concen: 2.750 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

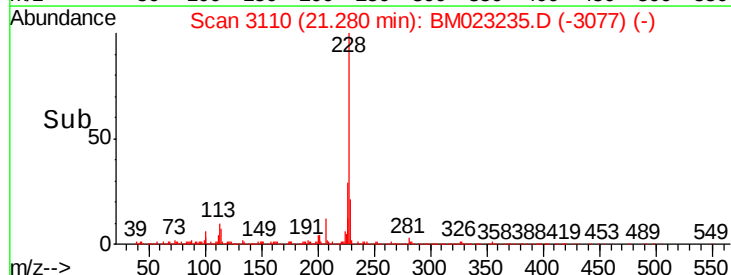
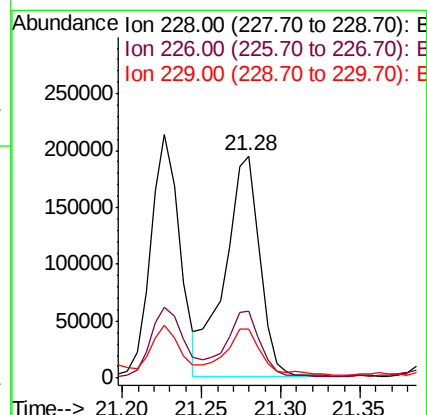
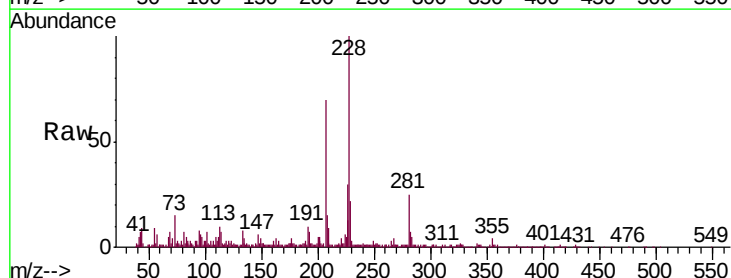
Tgt Ion:228 Resp: 296962

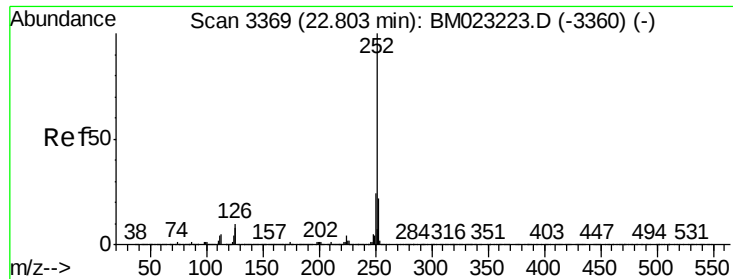
Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

229 22.1 15.5 23.3





#88

Benzo(b)fluoranthene

Concen: 3.181 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

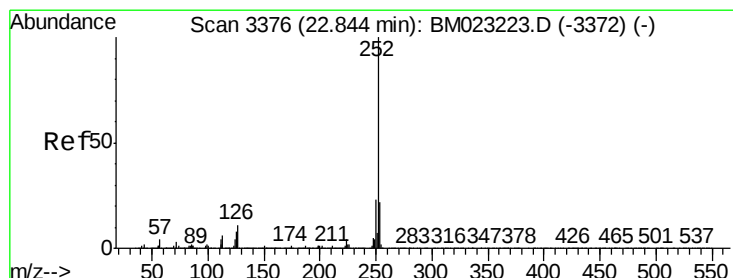
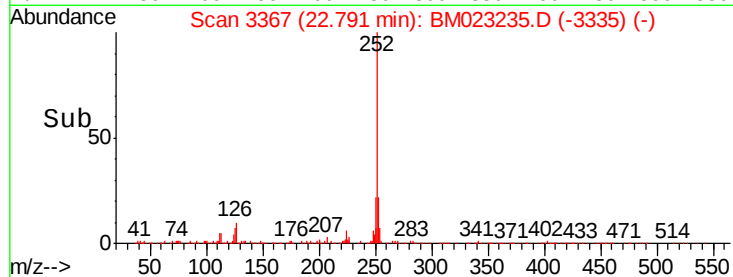
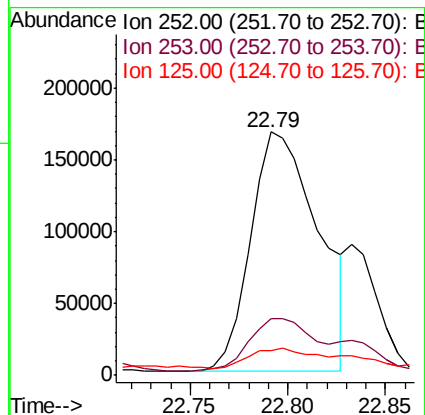
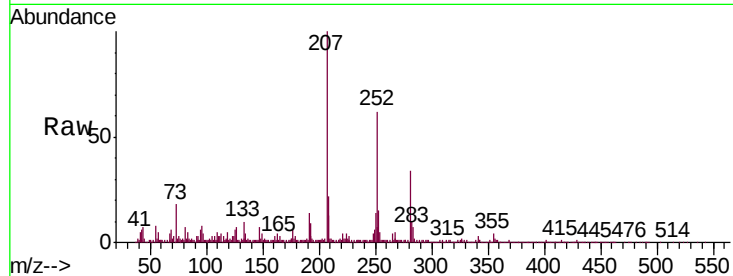
Instrument :

BNA_M

ClientSampleId :

BEPC3

Tgt Ion:	252	Resp:	400193
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	10.3	6.4	9.6#



#89

Benzo(k)fluoranthene

Concen: 3.313 ng/ul

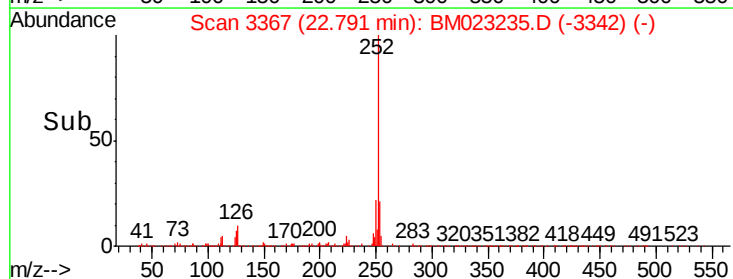
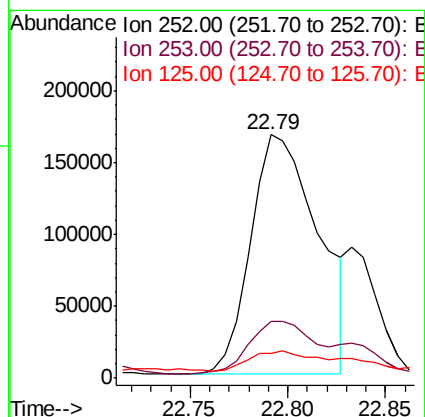
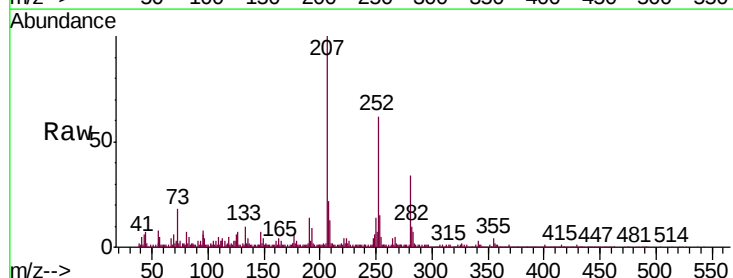
RT: 22.79 min Scan# 3367

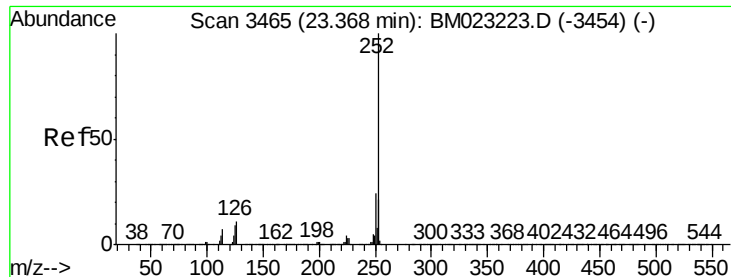
Delta R.T. -0.05 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

Tgt Ion:	252	Resp:	400193
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	10.3	6.5	9.7#





#91

Benzo(a)pyrene

Concen: 2.348 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

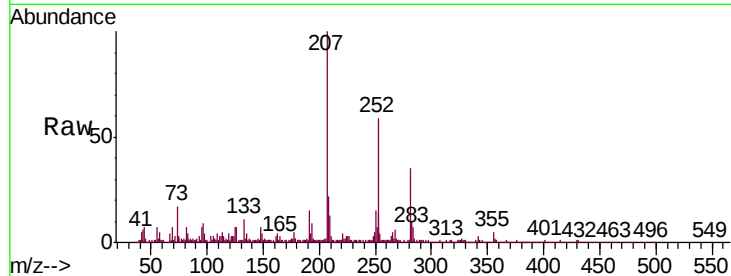
Instrument :

BNA_M

ClientSampleId :

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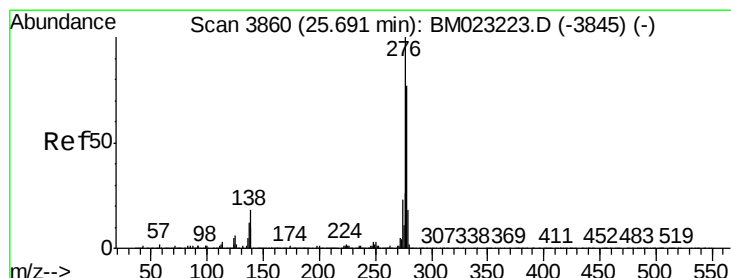
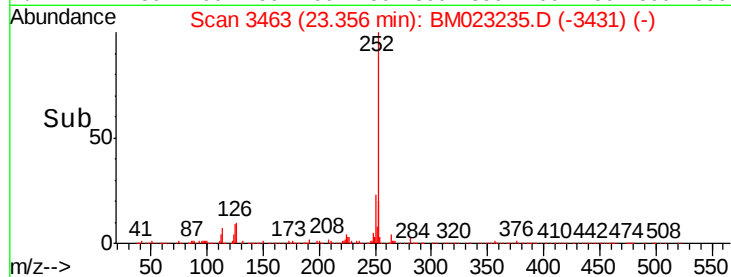
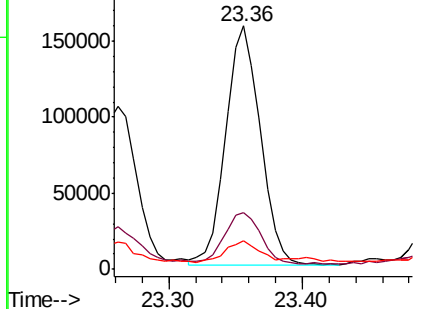
Tgt Ion:	252	Resp:	283453
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	11.8	7.4	11.0#



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: 1.315 ng/ul

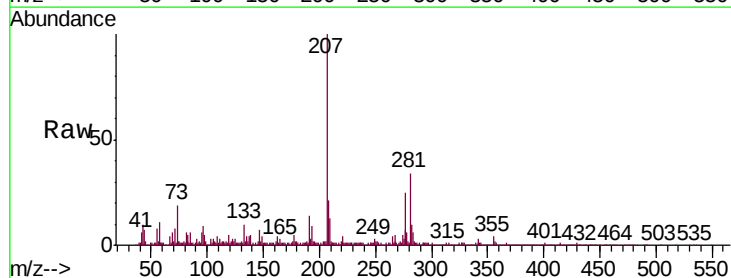
RT: 25.67 min Scan# 3856

Delta R.T. -0.02 min

Lab File: BM023235.D

Acq: 18 Oct 2019 00:29

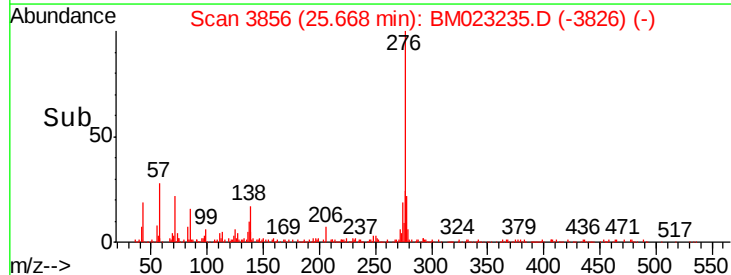
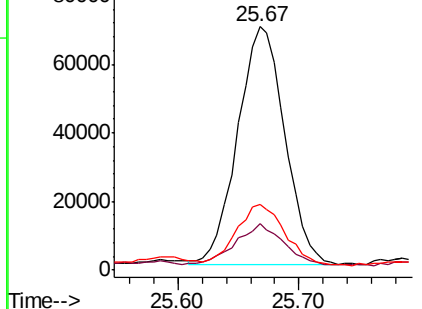
Tgt Ion:	276	Resp:	188808
Ion Ratio	Lower	Upper	
276	100		
138	19.0	14.9	22.3
277	27.0	19.8	29.8

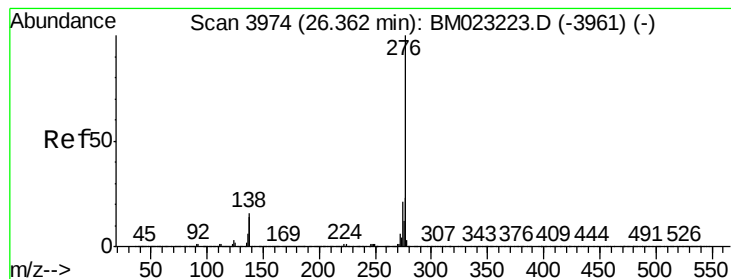


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 1.541 ng/ul

RT: 26.34 min Scan# 3971

Delta R.T. -0.02 min

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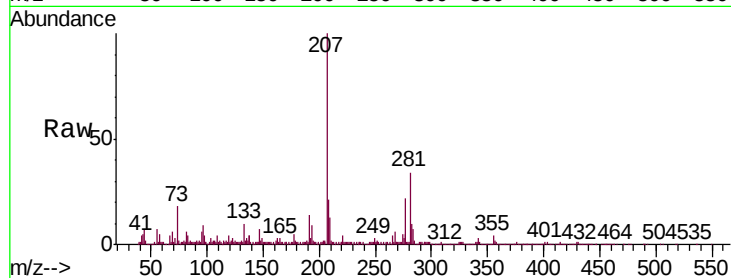
Tgt Ion: 276 Resp: 182236

Ion Ratio Lower Upper

276 100

138 19.1 14.4 21.6

277 23.4 19.4 29.2



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

