

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011664.D
 Acq On : 21 Sep 2017 21:27
 Operator : SJ/JU
 Sample : I5283-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 03:53:57 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 03:47:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	286660	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	1350329	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	783096	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	1729913	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	1767680	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1538197	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	5049	0.79	ng/uL	0.00
5) Phenol-d5	7.11	99	77982	2.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	260384	14.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	73689	3.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	70277	3.27	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	128741	12.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	16623	1.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.39	165	45046	2.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.92	131	23312	0.98	ng/ul	0.02
44) Dimethylphthalate-d6	13.99	166	225007	3.40	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	1081452	13.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.83	143	916	0.07	ng/ul	0.05
58) Fluorene-d10	15.58	176	854480	14.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	4543	0.45	ng/ul	0.00
71) Anthracene-d10	17.43	188	1284372	15.08	ng/ul	0.00
79) Pyrene-d10	19.72	212	1450585	17.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	1076989	14.69	ng/ul	0.00

Target Compounds

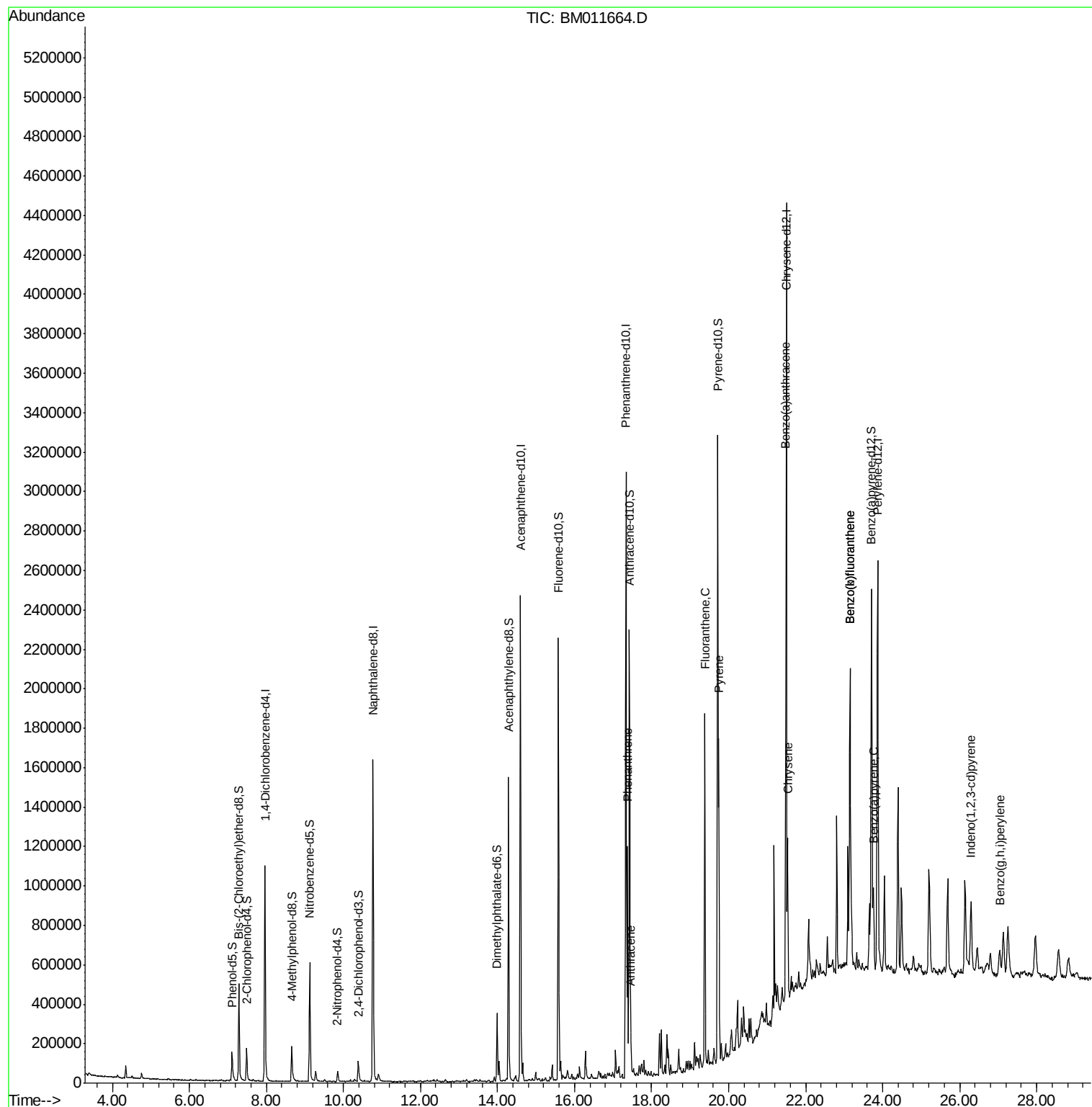
					Ovalue	
70) Phenanthrene	17.37	178	670684	6.956	ng/ul	100
72) Anthracene	17.46	178	105528	1.067	ng/ul	97
77) Fluoranthene	19.38	202	994590	10.028	ng/ul#	91
80) Pyrene	19.74	202	951159	9.223	ng/ul#	88
83) Benzo(a)anthracene	21.48	228	467600	4.804	ng/ul	99
85) Chrysene	21.53	228	435204	4.932	ng/ul	99
88) Benzo(b)fluoranthene	23.15	252	518252	5.601	ng/ul#	91
89) Benzo(k)fluoranthene	23.15	252	518252	5.831	ng/ul#	90
91) Benzo(a)pyrene	23.76	252	314029	3.595	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	26.29	276	181190	1.886	ng/ul#	90
94) Benzo(g,h,i)perylene	27.04	276	171609	2.205	ng/ul#	92

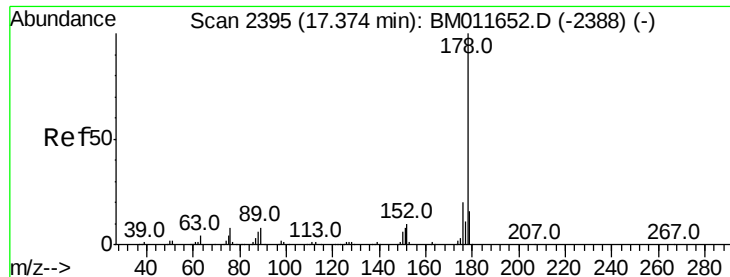
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 6.956 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011664.D

Acq: 21 Sep 2017 21:27

Instrument :

BNA_M

ClientSampleId :

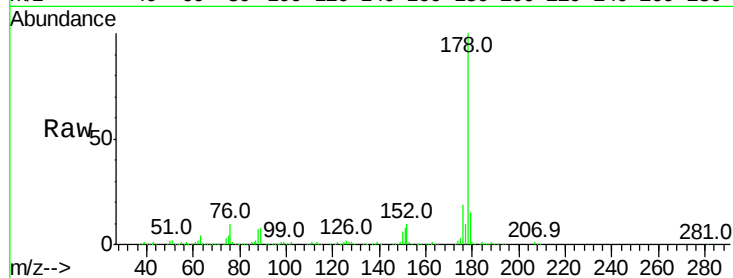
Tot Ion:178 Resp: 670684

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

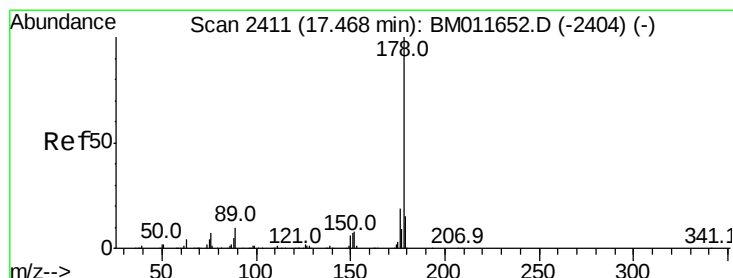
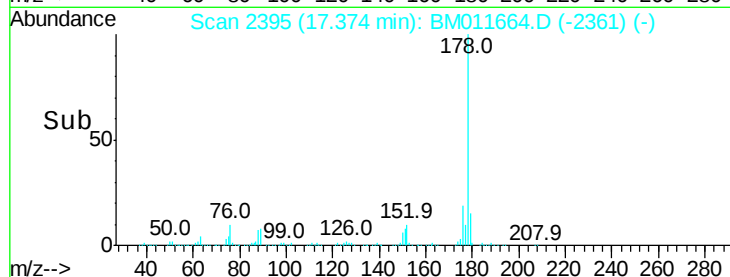
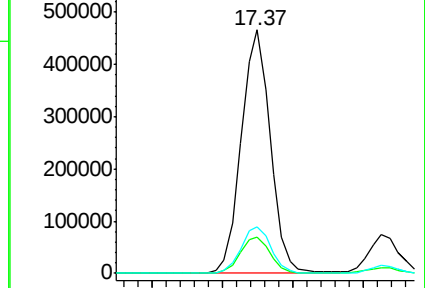
176 19.2 15.4 23.0



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: 1.067 ng/ul

RT: 17.46 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM011664.D

Acq: 21 Sep 2017 21:27

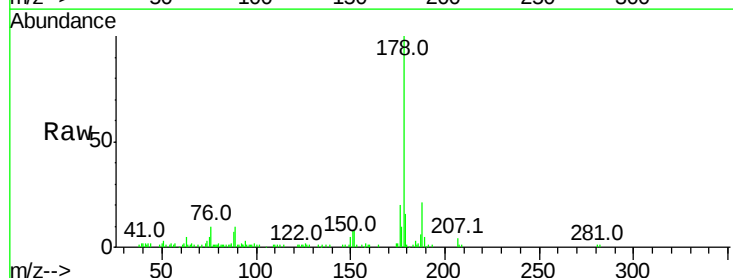
Tgt Ion:178 Resp: 105528

Ion Ratio Lower Upper

178 100

179 15.5 13.4 20.2

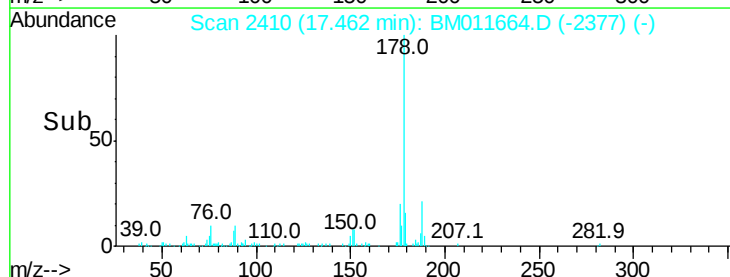
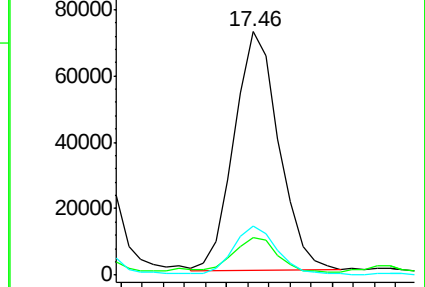
176 20.3 15.4 23.0

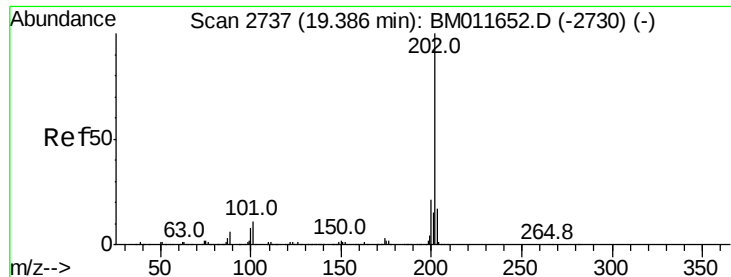


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

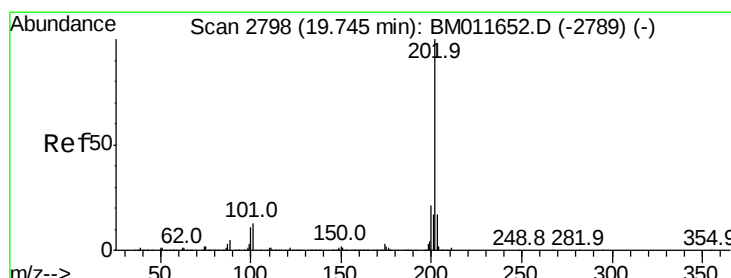
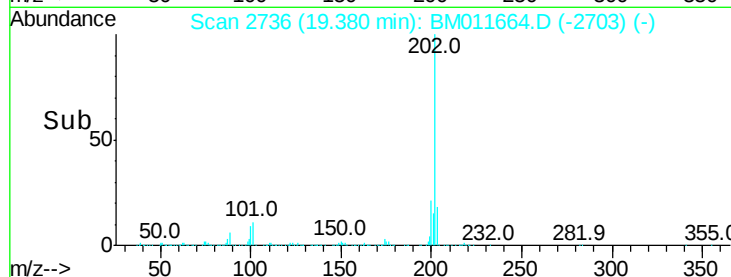
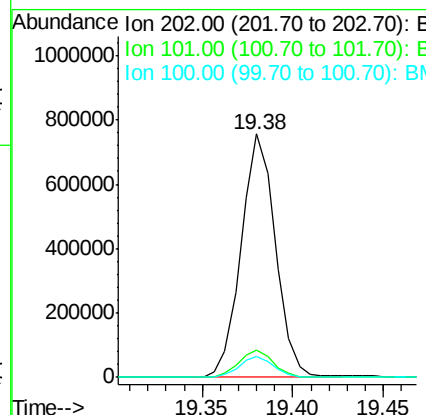
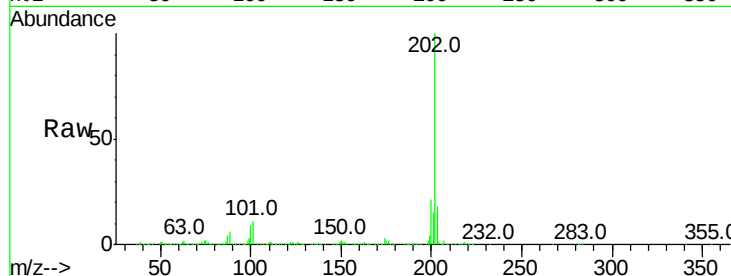




#77
 Fluoranthene
 Concen: 10.028 ng/ul
 RT: 19.38 min Scan# 2736
 Delta R.T. -0.01 min
 Lab File: BM011664.D
 Acq: 21 Sep 2017 21:27

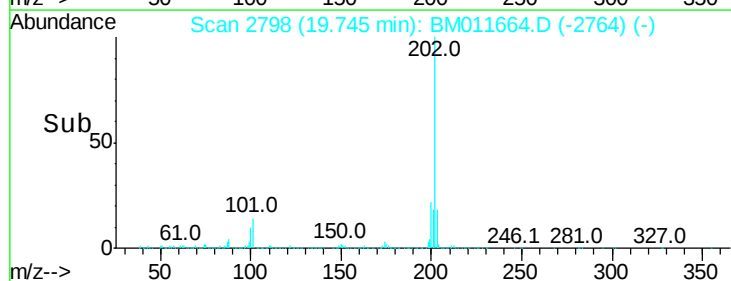
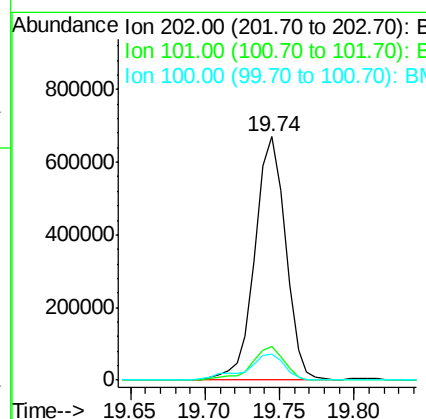
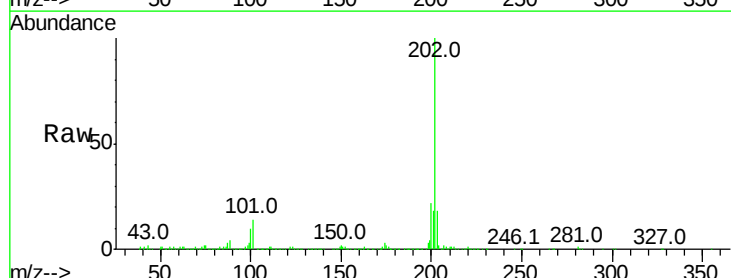
Instrument :
 BNA_M
 ClientSampleId :

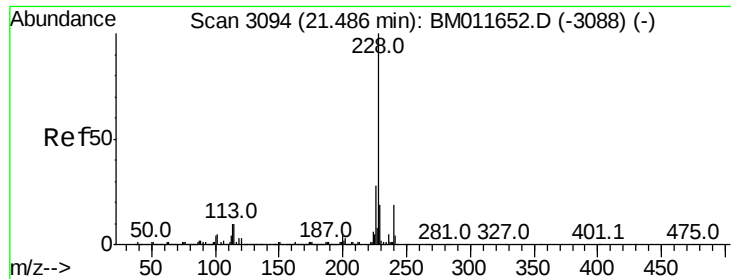
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	6.1	9.1#
100	8.8	4.6	7.0#



#80
 Pyrene
 Concen: 9.223 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BM011664.D
 Acq: 21 Sep 2017 21:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	6.9	10.3#
100	10.5	5.6	8.4#

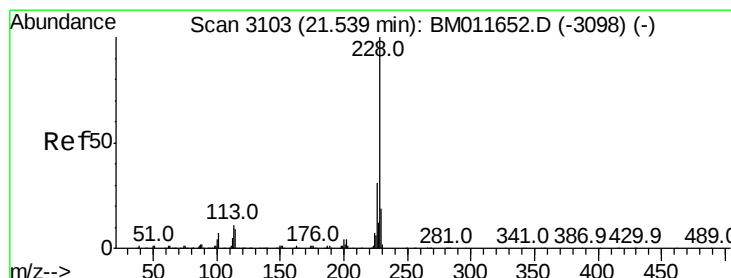
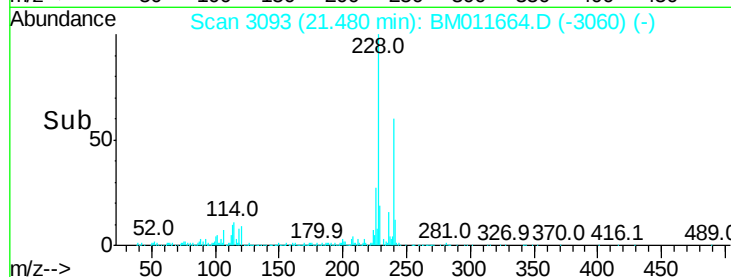
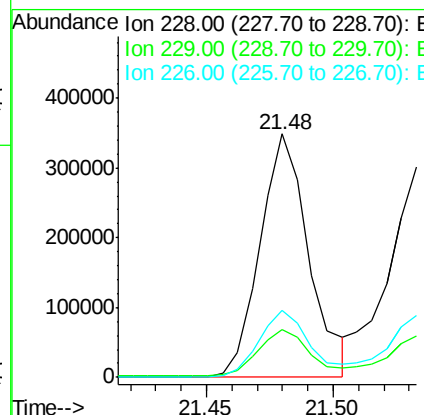
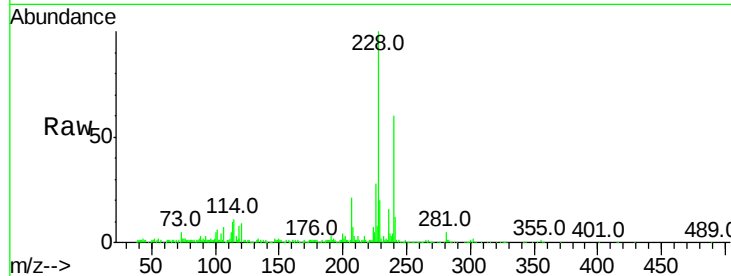




#83
Benzo(a)anthracene
Concen: 4.804 ng/ul
RT: 21.48 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM011664.D
Acq: 21 Sep 2017 21:27

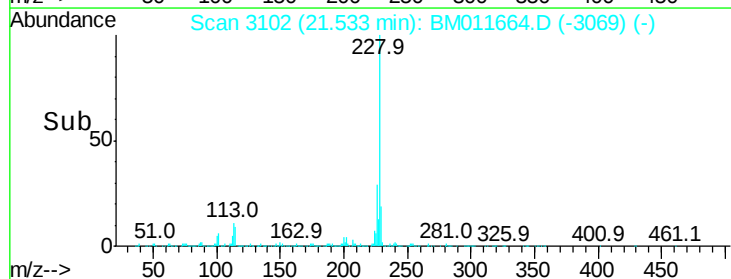
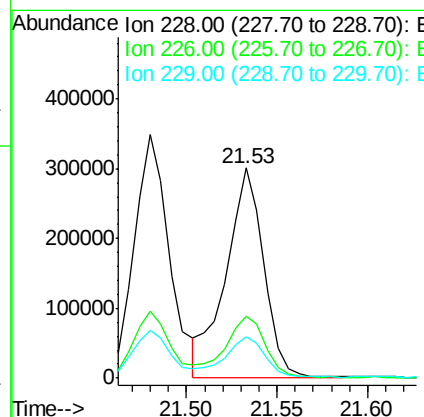
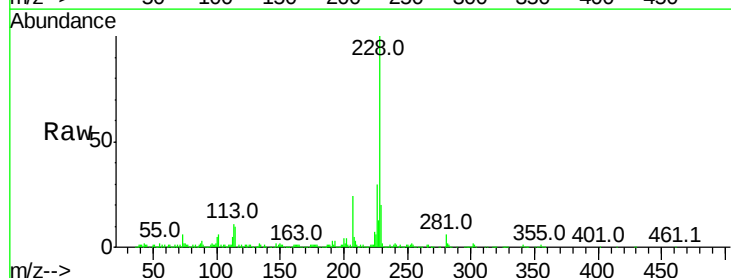
Instrument :
BNA_M
ClientSampleId :

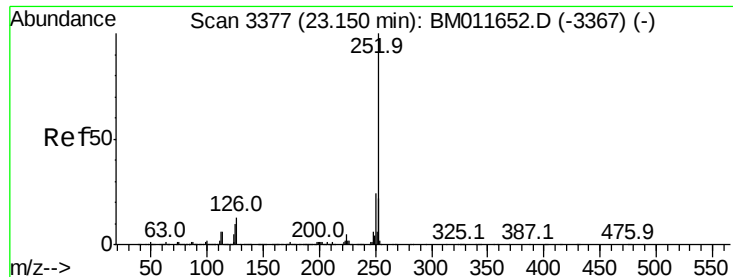
Tot Ion	Ratio	Lower	Upper
228	100		
229	19.7	16.0	24.0
226	27.6	21.8	32.8



#85
Chrysene
Concen: 4.932 ng/ul
RT: 21.53 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM011664.D
Acq: 21 Sep 2017 21:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.1	36.1
229	19.5	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 5.601 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM011664.D

Acq: 21 Sep 2017 21:27

Instrument :

BNA_M

ClientSampleId :

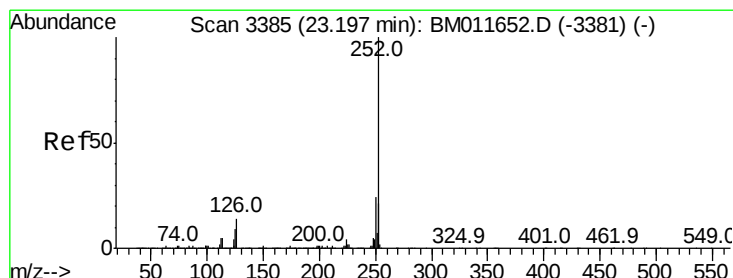
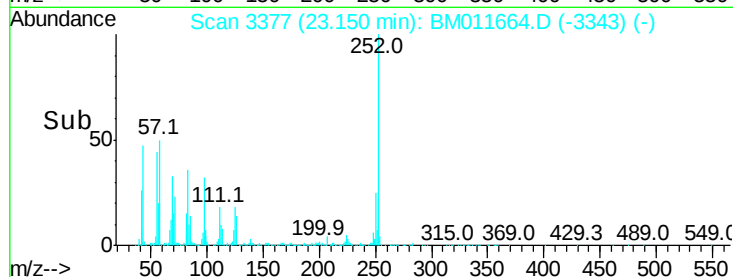
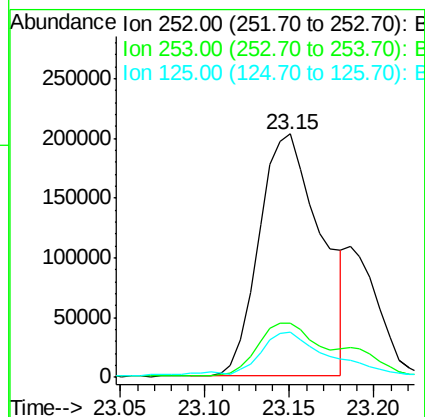
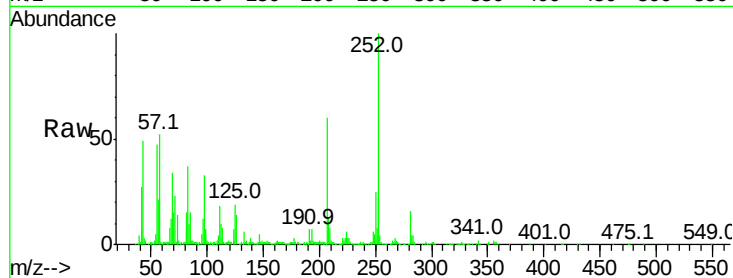
Tot Ion:252 Resp: 518252

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 18.8 4.9 7.3#



#89

Benzo(k)fluoranthene

Concen: 5.831 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.05 min

Lab File: BM011664.D

Acq: 21 Sep 2017 21:27

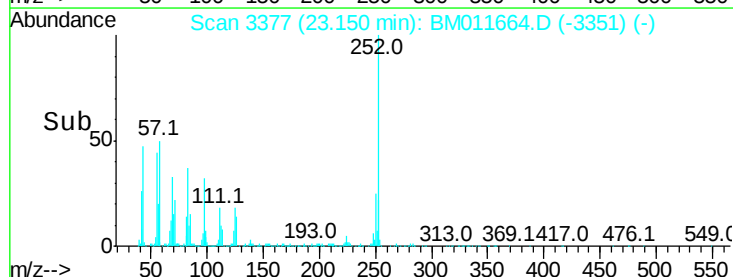
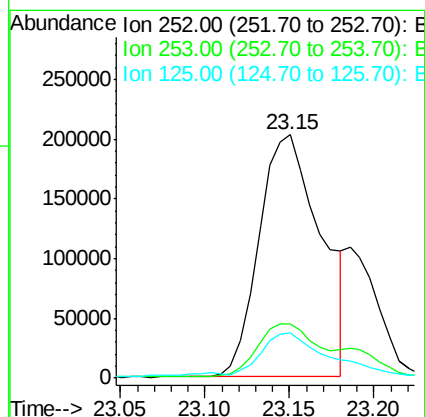
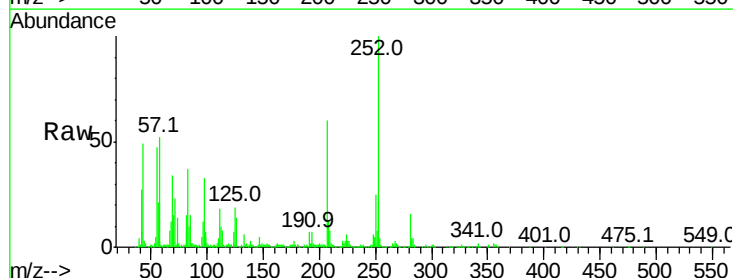
Tgt Ion:252 Resp: 518252

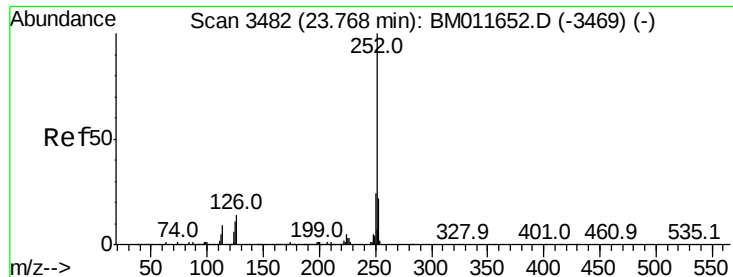
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 18.8 5.4 8.0#





#91

Benzo(a)pyrene

Concen: 3.595 ng/ul

RT: 23.76 min Scan# 3481

Delta R.T. -0.01 min

Lab File: BM011664.D

Acq: 21 Sep 2017 21:27

Instrument :

BNA_M

ClientSampleId :

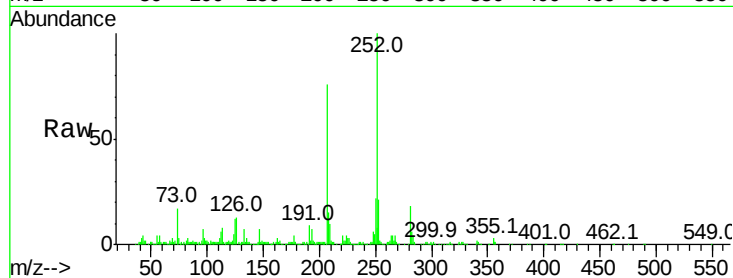
Tot Ion:252 Resp: 314029

Ion Ratio Lower Upper

252 100

253 21.0 17.2 25.8

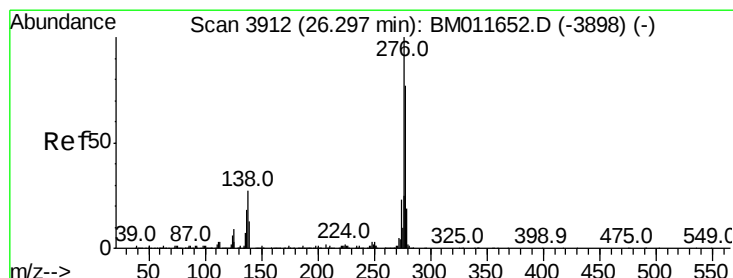
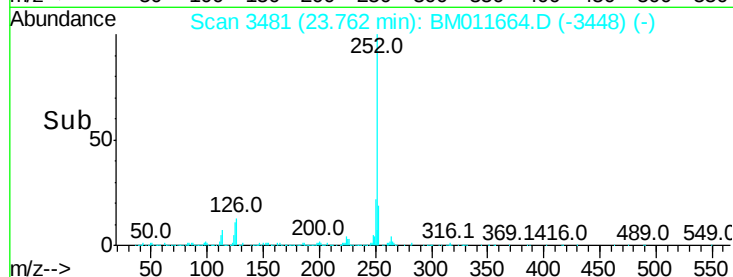
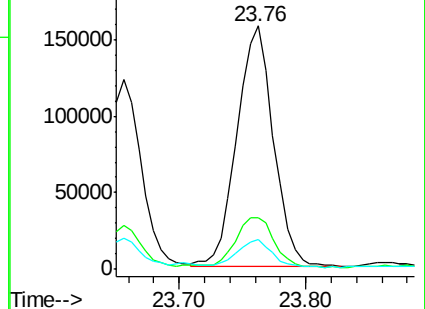
125 12.3 5.8 8.6#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.886 ng/ul

RT: 26.29 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM011664.D

Acq: 21 Sep 2017 21:27

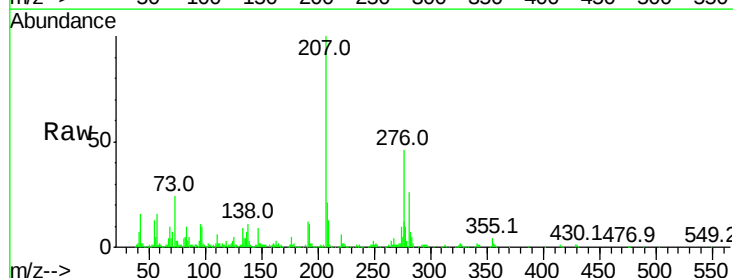
Tgt Ion:276 Resp: 181190

Ion Ratio Lower Upper

276 100

138 23.1 10.9 16.3#

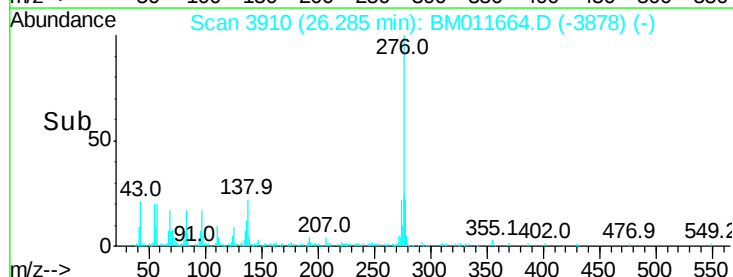
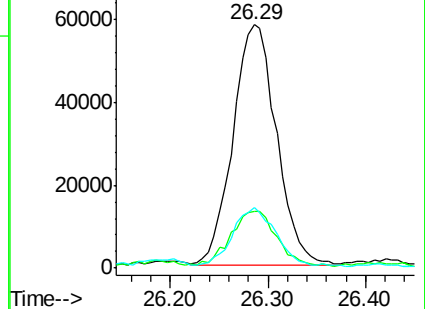
277 25.0 18.9 28.3

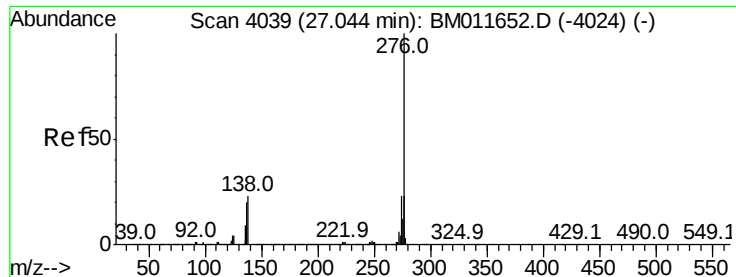


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 2.205 ng/ul

RT: 27.04 min Scan# 4038

Delta R.T. -0.01 min

Lab File: BM011664.D

Acq: 21 Sep 2017 21:27

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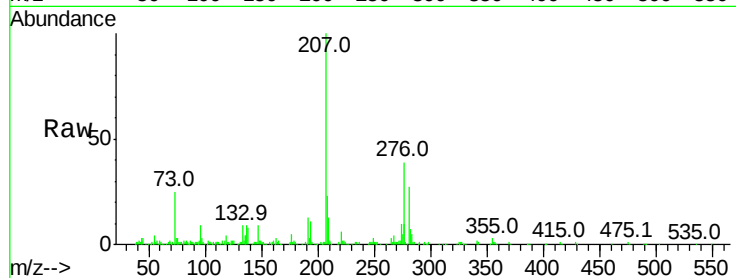
Tot Ion:276 Resp: 171609

Ion Ratio Lower Upper

276 100

138 21.0 11.2 16.8#

277 25.1 19.0 28.6



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

