

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\
 Data File : BM011694.D
 Acq On : 22 Sep 2017 16:09
 Operator : SJ/JU
 Sample : I5283-06RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 23:54:53 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 23:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	353197	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	1594266	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	870587	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	1806860	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	1250908	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1195251	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	3132	0.40	ng/uL	0.00
5) Phenol-d5	7.11	99	48528	1.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	78720	3.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	49932	1.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	40354	1.52	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	240	0.02	ng/ul	0.10
22) 2-Nitrophenol-d4	9.86	143	9562	0.76	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.39	165	28648	1.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	1098	0.04	ng/ul	-0.03
44) Dimethylphthalate-d6	13.99	166	123469	1.68	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	323085	3.63	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	227	0.02	ng/ul	-0.18
58) Fluorene-d10	15.58	176	247727	3.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.43	188	383976	4.32	ng/ul	0.00
79) Pyrene-d10	19.72	212	399612	6.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	229150	4.02	ng/ul	0.00

Target Compounds

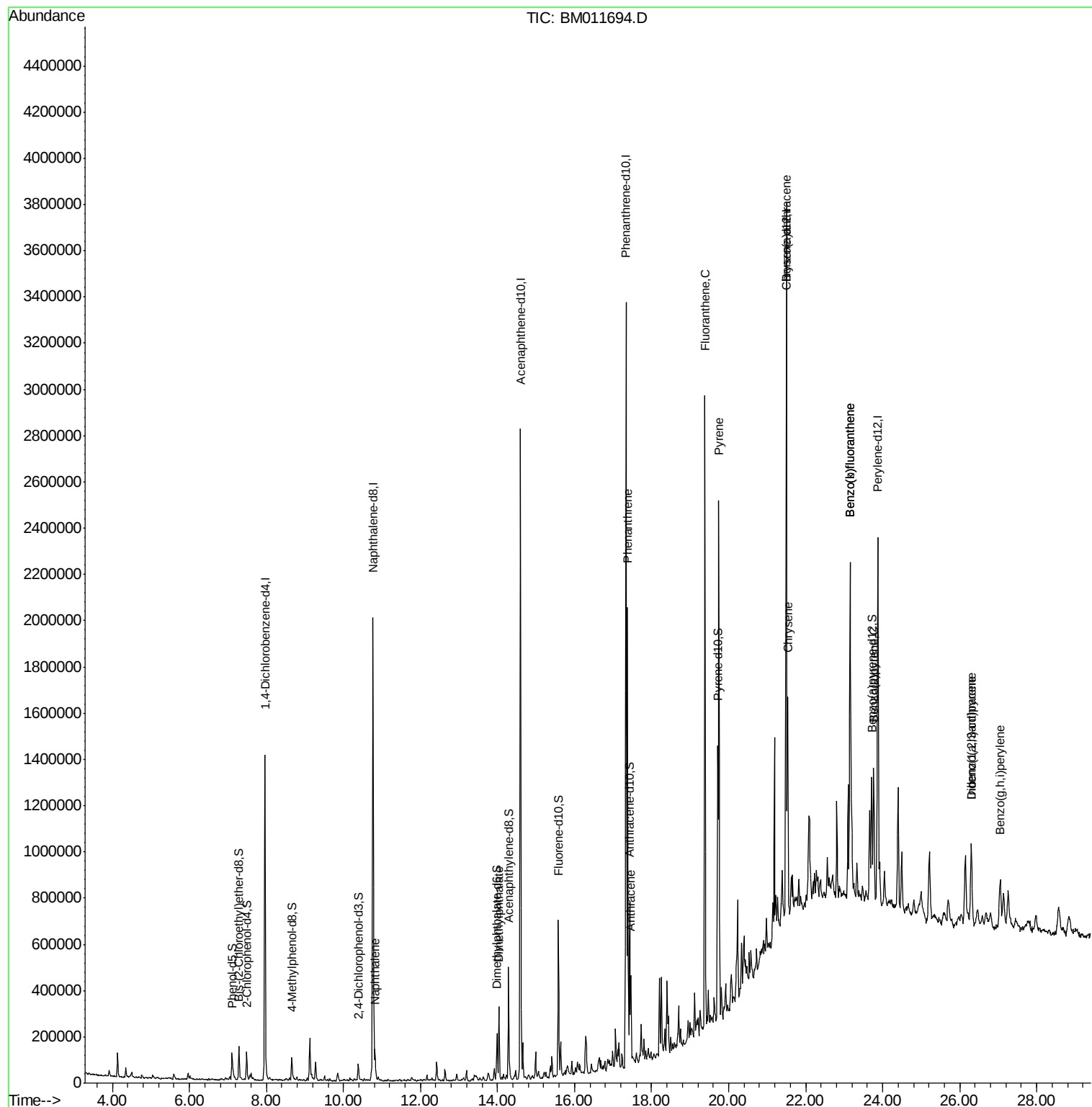
					Ovalue	
28) Naphthalene	10.82	128	93670	1.133	ng/ul	98
45) Dimethylphthalate	14.04	163	187573	2.662	ng/ul	99
70) Phenanthrene	17.37	178	1104459	10.966	ng/ul	99
72) Anthracene	17.46	178	240630	2.328	ng/ul	99
77) Fluoranthene	19.39	202	1613185	15.573	ng/ul#	92
80) Pyrene	19.74	202	1332754	18.261	ng/ul#	89
83) Benzo(a)anthracene	21.49	228	567508	8.240	ng/ul	98
85) Chrysene	21.54	228	533431	8.543	ng/ul	100
88) Benzo(b)fluoranthene	23.15	252	616248	8.570	ng/ul#	93
89) Benzo(k)fluoranthene	23.15	252	616248	8.924	ng/ul#	92
91) Benzo(a)pyrene	23.76	252	421517	6.211	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	26.30	276	284382	3.809	ng/ul#	93
93) Dibenzo(a,h)anthracene	26.30	278	77656	1.227	ng/ul#	86
94) Benzo(g,h,i)perylene	27.05	276	274052	4.533	ng/ul#	91

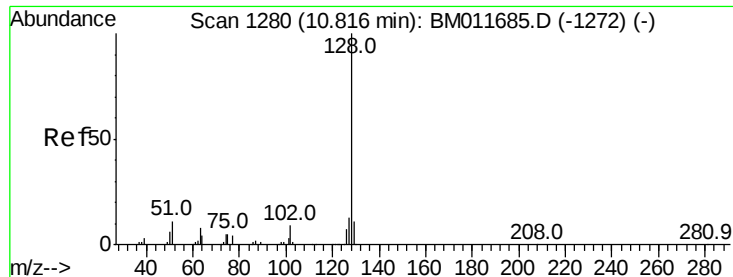
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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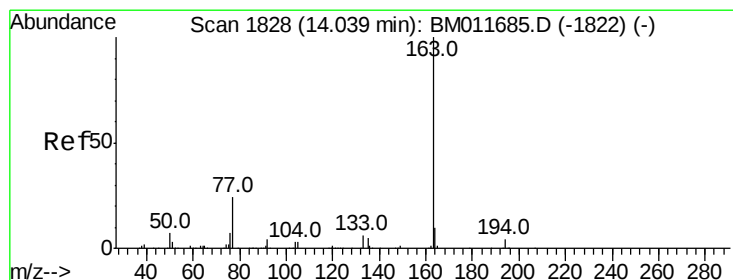
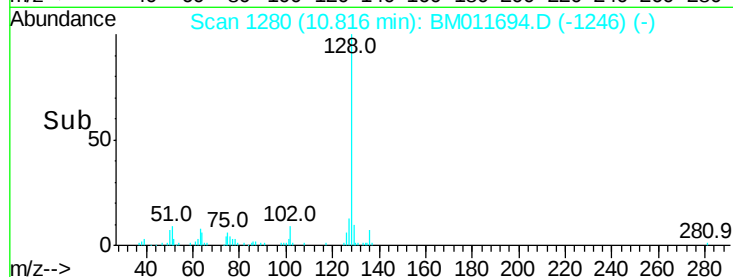
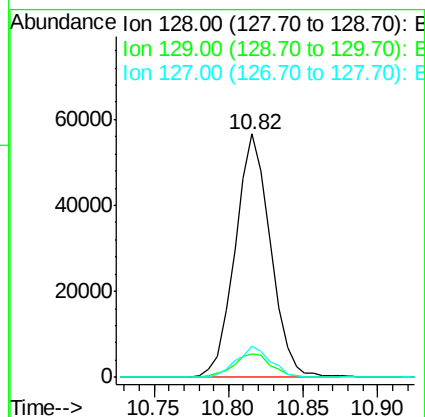
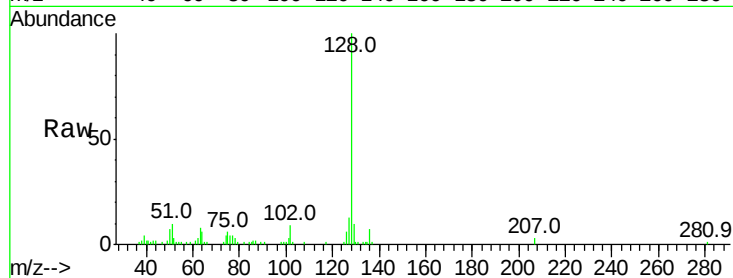




#28
Naphthalene
Concen: 1.133 ng/ul
RT: 10.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM011694.D
Acq: 22 Sep 2017 16:09

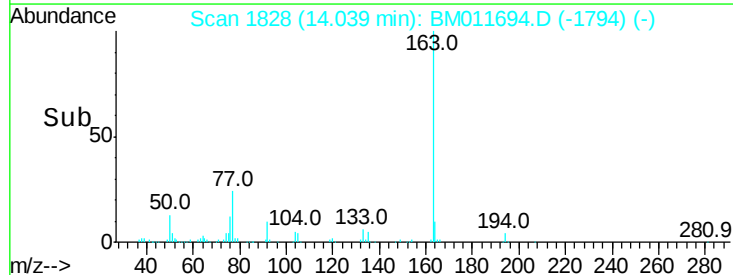
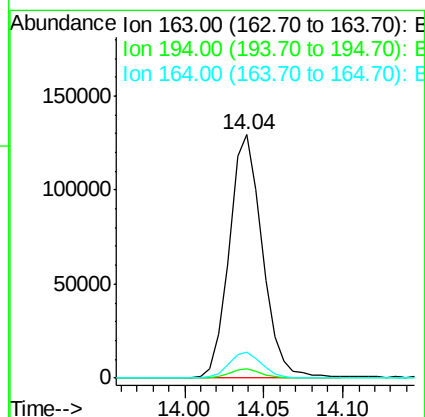
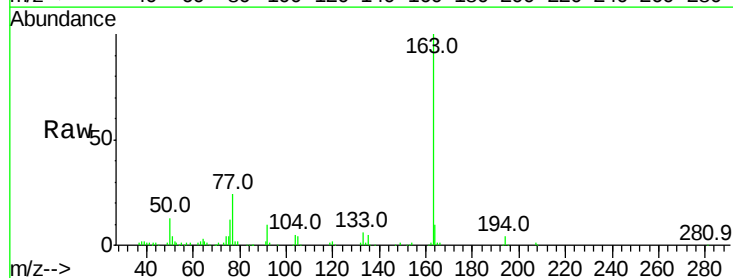
Instrument :
BNA_M
ClientSampleId :

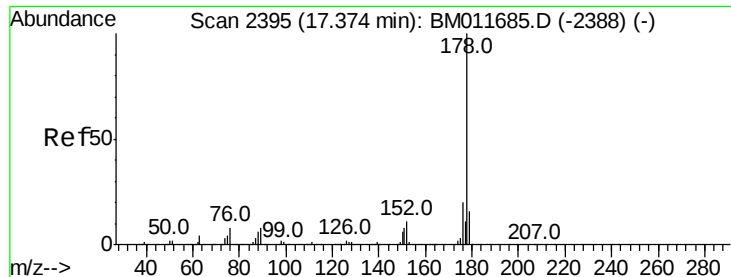
Tot Ion:128 Resp: 93670
Ion Ratio Lower Upper
128 100
129 9.6 8.3 12.5
127 12.8 10.8 16.2



#45
Dimethylphthalate
Concen: 2.662 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BM011694.D
Acq: 22 Sep 2017 16:09

Tgt Ion:163 Resp: 187573
Ion Ratio Lower Upper
163 100
194 4.0 4.0 6.0
164 10.4 8.4 12.6





#70

Phenanthrene

Concen: 10.966 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

Instrument :

BNA_M

ClientSampleId :

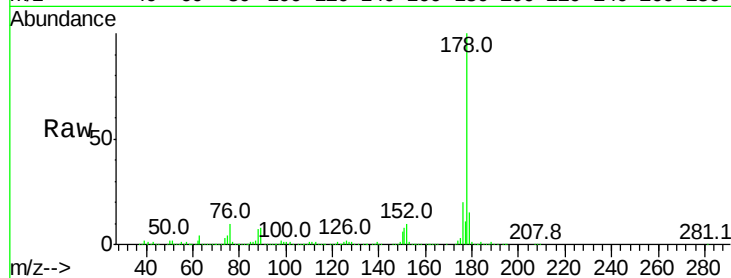
Tot Ion:178 Resp: 1104459

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

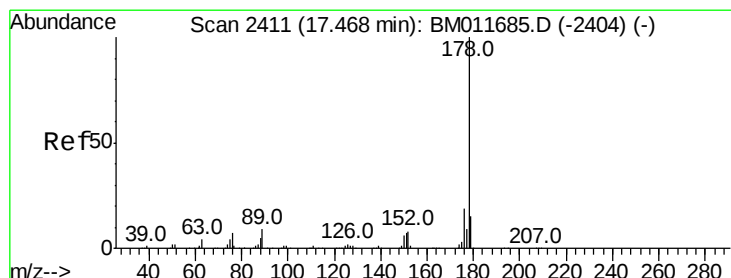
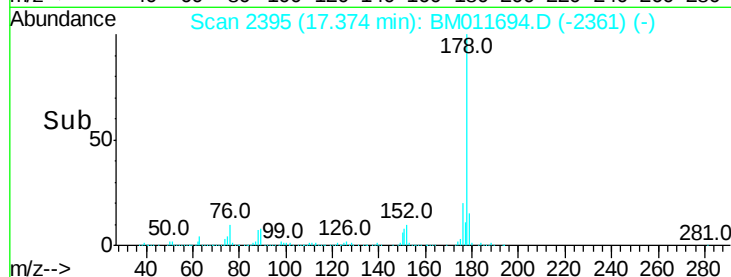
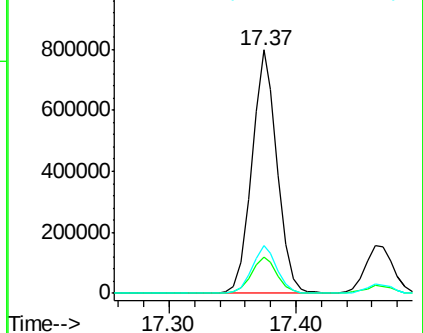
176 19.8 15.4 23.0



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: 2.328 ng/ul

RT: 17.46 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

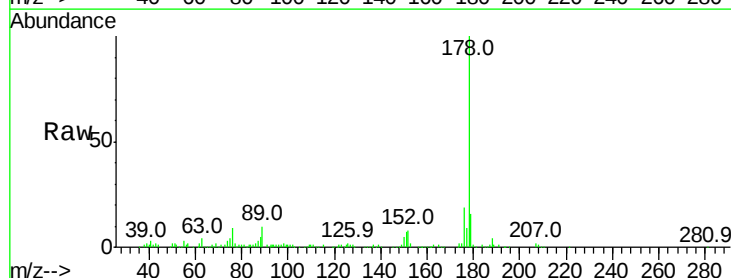
Tgt Ion:178 Resp: 240630

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

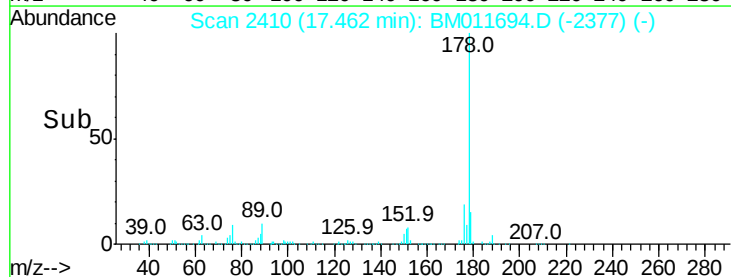
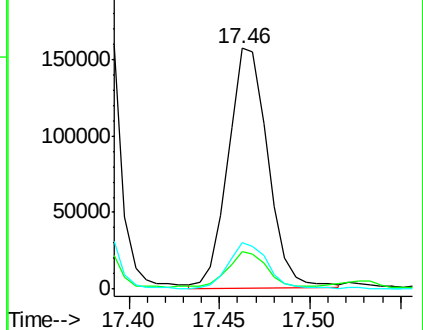
176 19.2 15.4 23.0

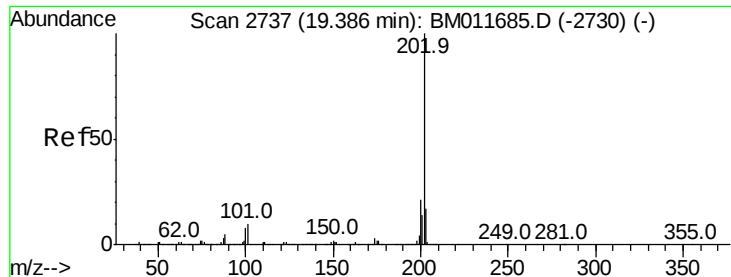


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

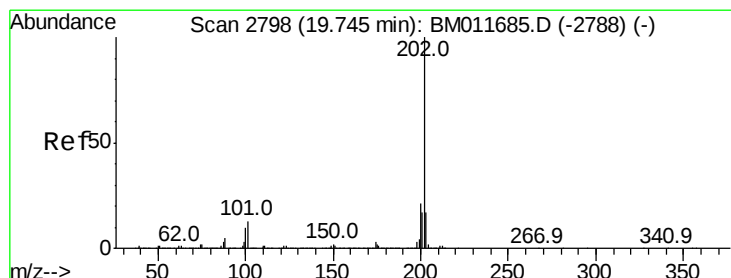
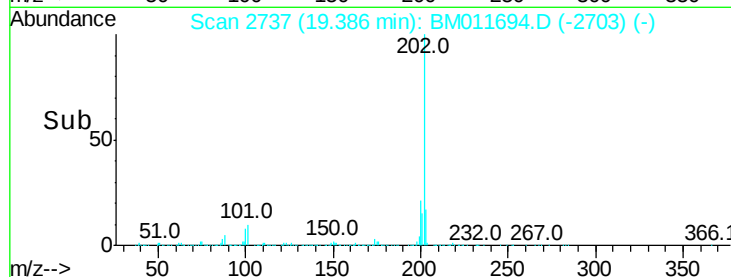
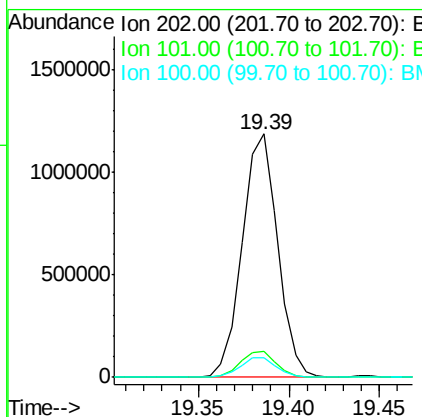
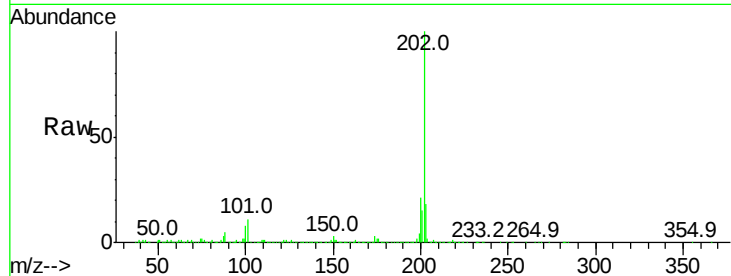




#77
Fluoranthene
 Concen: 15.573 ng/ul
 RT: 19.39 min Scan# 2737
 Delta R.T. 0.00 min
 Lab File: BM011694.D
 Acq: 22 Sep 2017 16:09

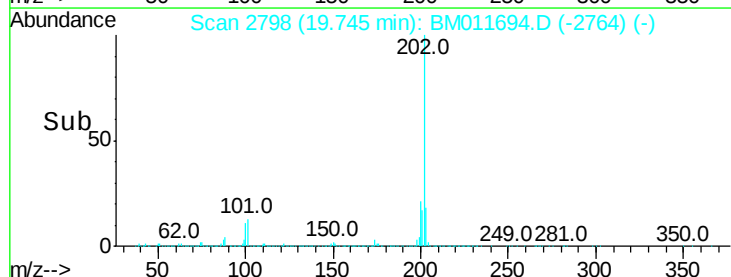
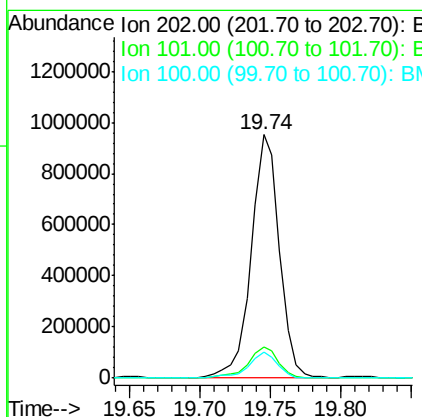
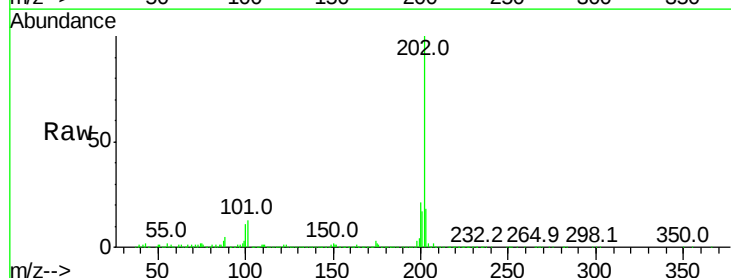
Instrument :
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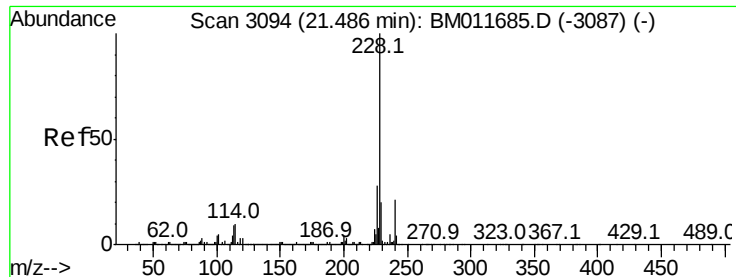
Tot Ion:202 Resp: 1613185
 Ion Ratio Lower Upper
 202 100
 101 10.6 6.1 9.1#
 100 8.0 4.6 7.0#



#80
Pyrene
 Concen: 18.261 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BM011694.D
 Acq: 22 Sep 2017 16:09

Tgt Ion:202 Resp: 1332754
 Ion Ratio Lower Upper
 202 100
 101 13.0 6.9 10.3#
 100 10.6 5.6 8.4#





#83

Benzo(a)anthracene

Concen: 8.240 ng/ul

RT: 21.49 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

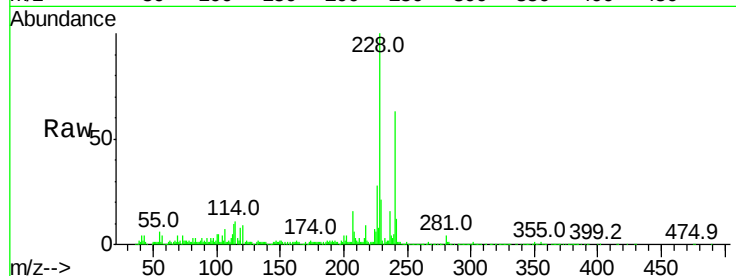
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 567508

Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.0	24.0
226	28.4	21.8	32.8

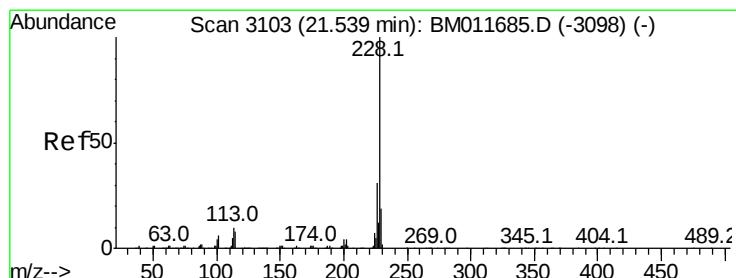
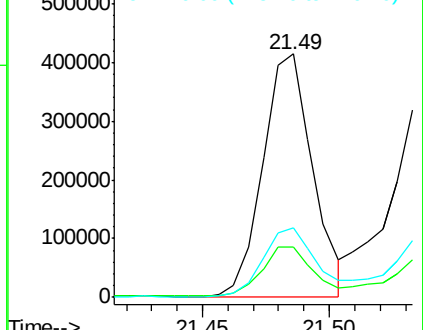
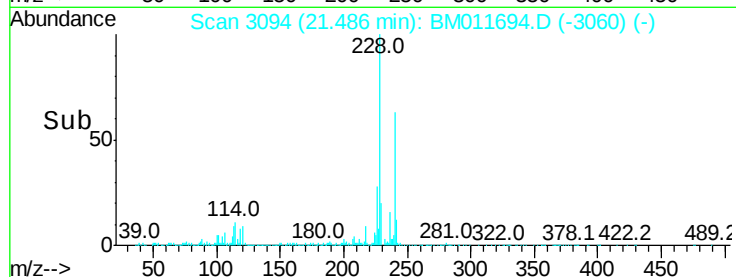


Abundance

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: 8.543 ng/ul

RT: 21.54 min Scan# 3103

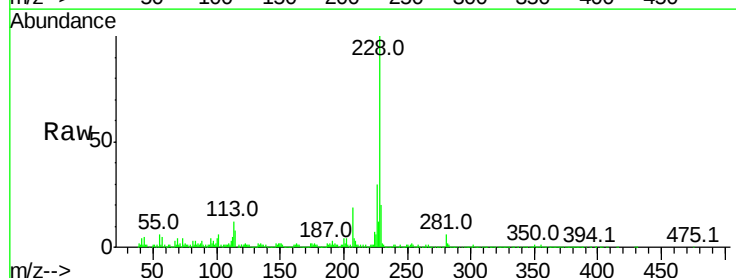
Delta R.T. 0.00 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

Tgt Ion:228 Resp: 533431

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	19.7	16.0	24.0

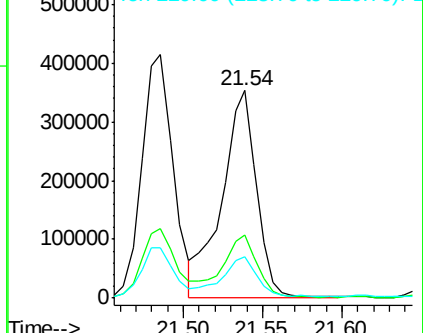
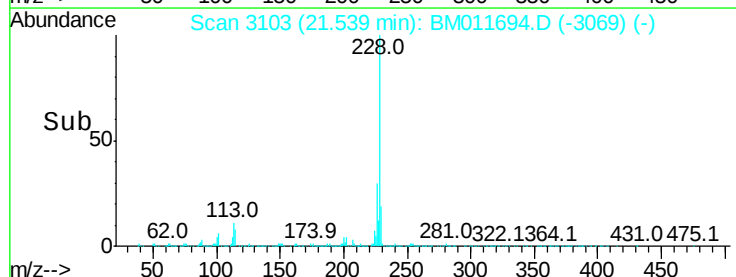


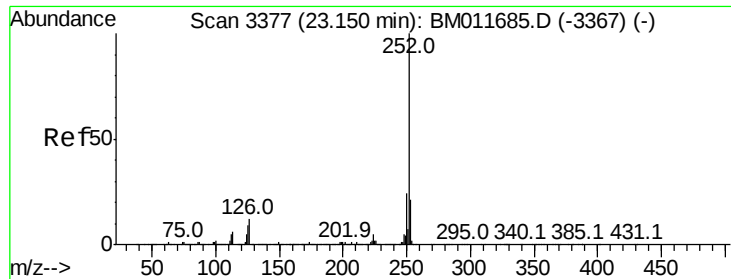
Abundance

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: 8.570 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

Instrument :

BNA_M

ClientSampleId :

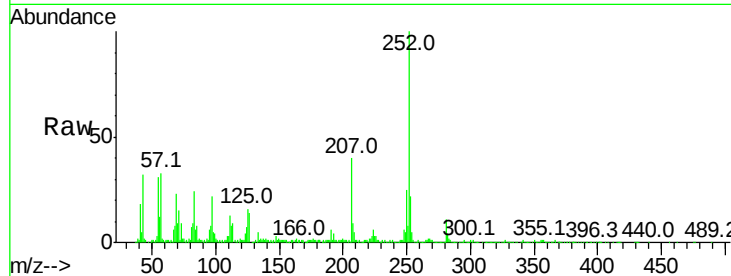
Tot Ion:252 Resp: 616248

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

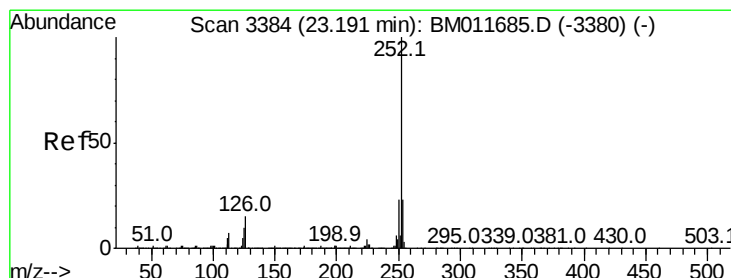
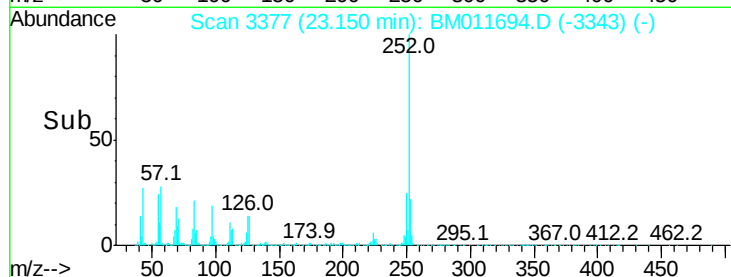
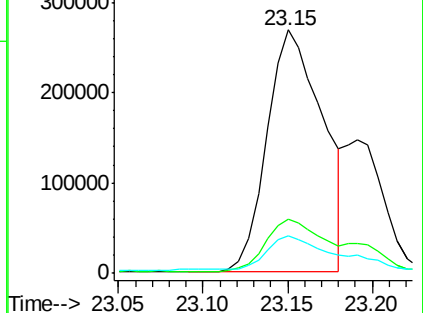
125 15.6 4.9 7.3#



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: 8.924 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.04 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

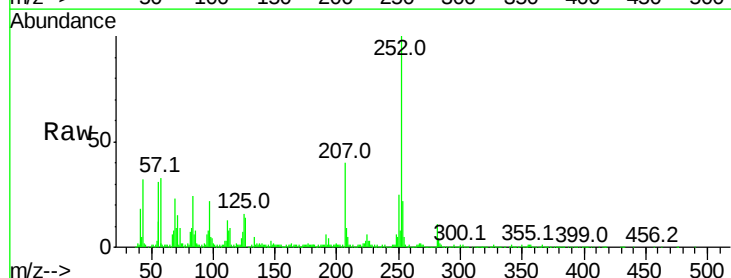
Tgt Ion:252 Resp: 616248

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

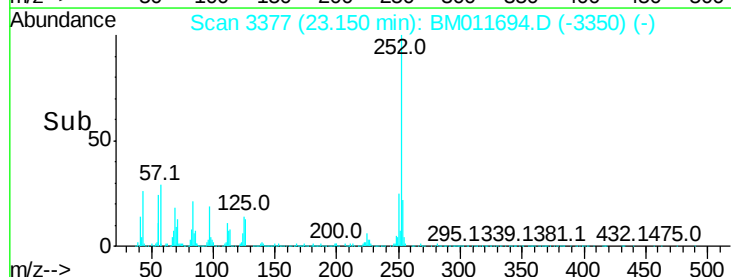
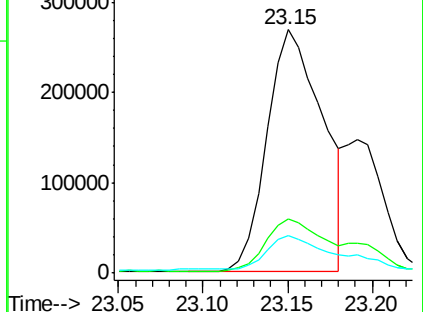
125 15.6 5.4 8.0#

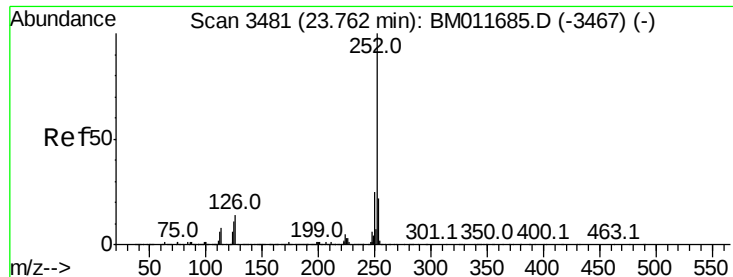


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.211 ng/ul

RT: 23.76 min Scan# 3481

Delta R.T. 0.00 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

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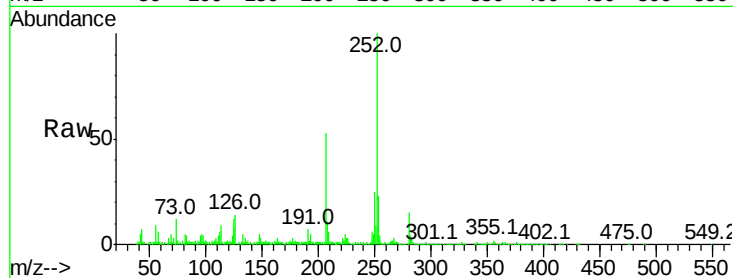
Tot Ion:252 Resp: 421517

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

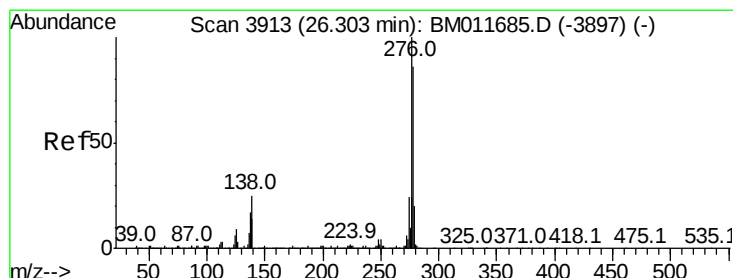
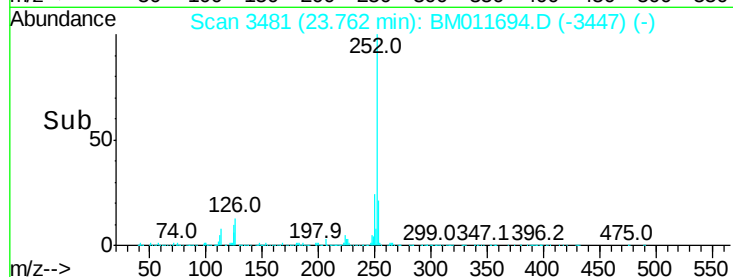
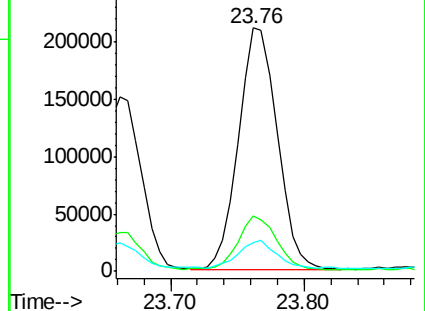
125 11.8 5.8 8.6#



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: 3.809 ng/ul

RT: 26.30 min Scan# 3913

Delta R.T. 0.00 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

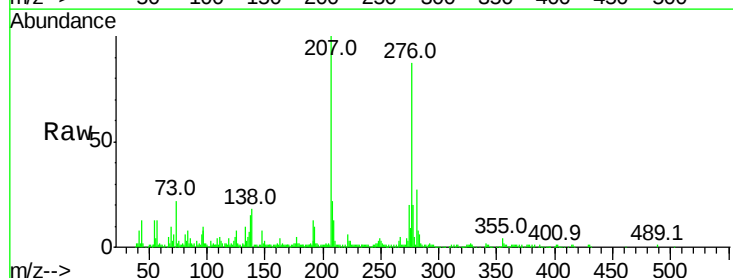
Tgt Ion:276 Resp: 284382

Ion Ratio Lower Upper

276 100

138 20.7 10.9 16.3#

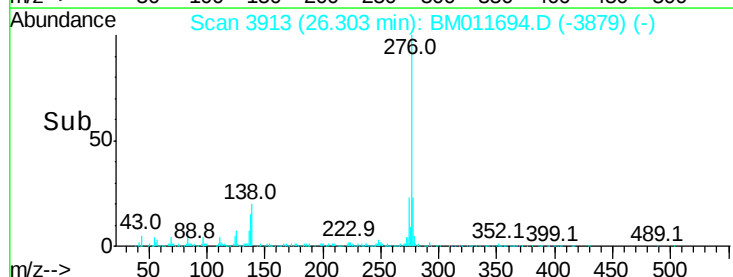
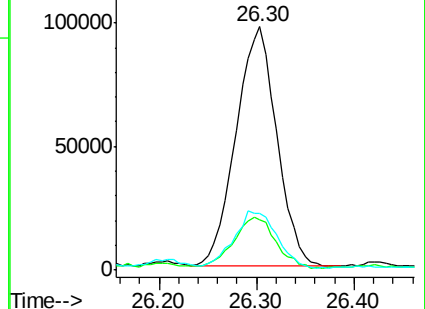
277 23.2 18.9 28.3

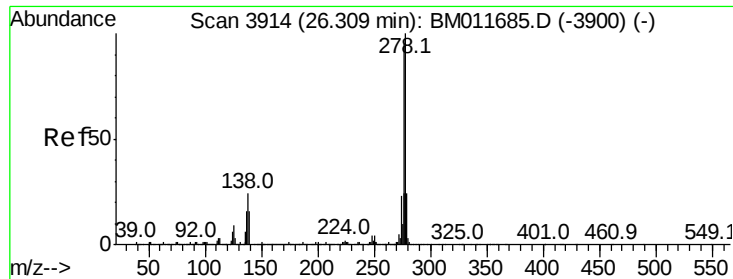


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.227 ng/ul

RT: 26.30 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

Instrument :

BNA_M

ClientSampleId :

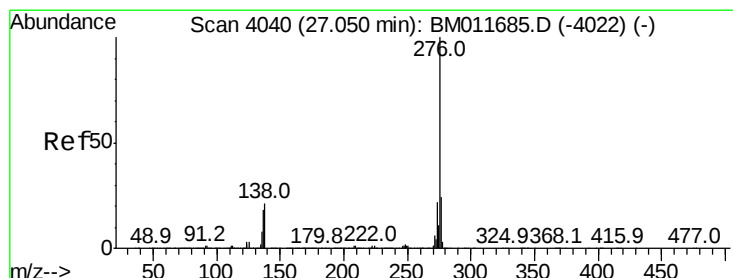
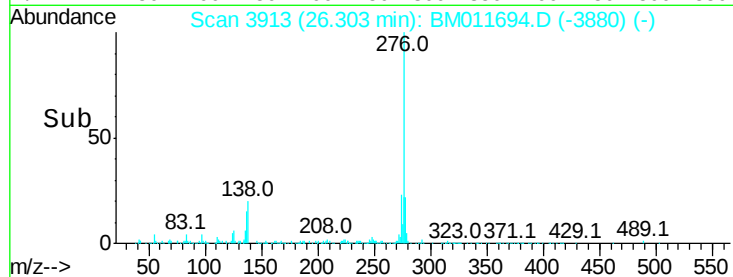
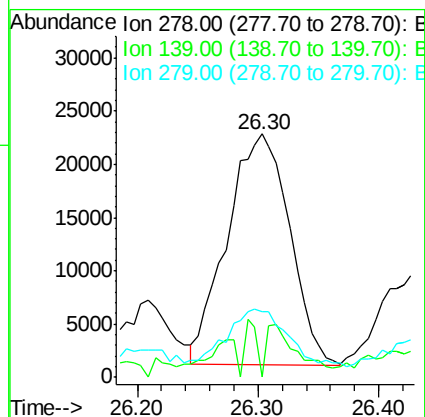
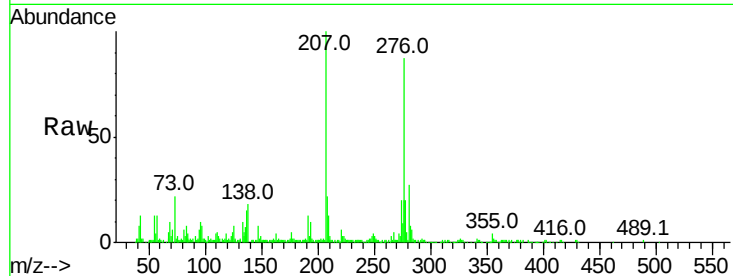
Tot Ion:278 Resp: 77656

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

279 26.9 19.1 28.7



#94

Benzo(g,h,i)perylene

Concen: 4.533 ng/ul

RT: 27.05 min Scan# 4040

Delta R.T. 0.00 min

Lab File: BM011694.D

Acq: 22 Sep 2017 16:09

Tgt Ion:276 Resp: 274052

Ion Ratio Lower Upper

276 100

138 21.9 11.2 16.8#

277 25.0 19.0 28.6

