

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011743.D
 Acq On : 28 Sep 2017 03:10
 Operator : SJ/JU
 Sample : I5377-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 05:18:55 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 05:09:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	261763	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1183106	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	661315	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1467586	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1367795	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1084976	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	14429	2.46	ng/uL	0.00
5) Phenol-d5	7.09	99	337079	13.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	278946	14.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	279177	14.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	236352	11.72	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	136037	14.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	147078	14.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	261973	13.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	149584	7.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	890283	15.70	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1064501	15.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	54494	5.62	ng/ul	0.00
57) Fluorene-d10	15.56	176	774048	15.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.67	200	74693	7.51	ng/ul	0.00
70) Anthracene-d10	17.41	188	1169834	15.66	ng/ul	0.00
76) Pyrene-d10	19.70	212	1357671	20.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	834123	16.06	ng/ul	0.00

Target Compounds

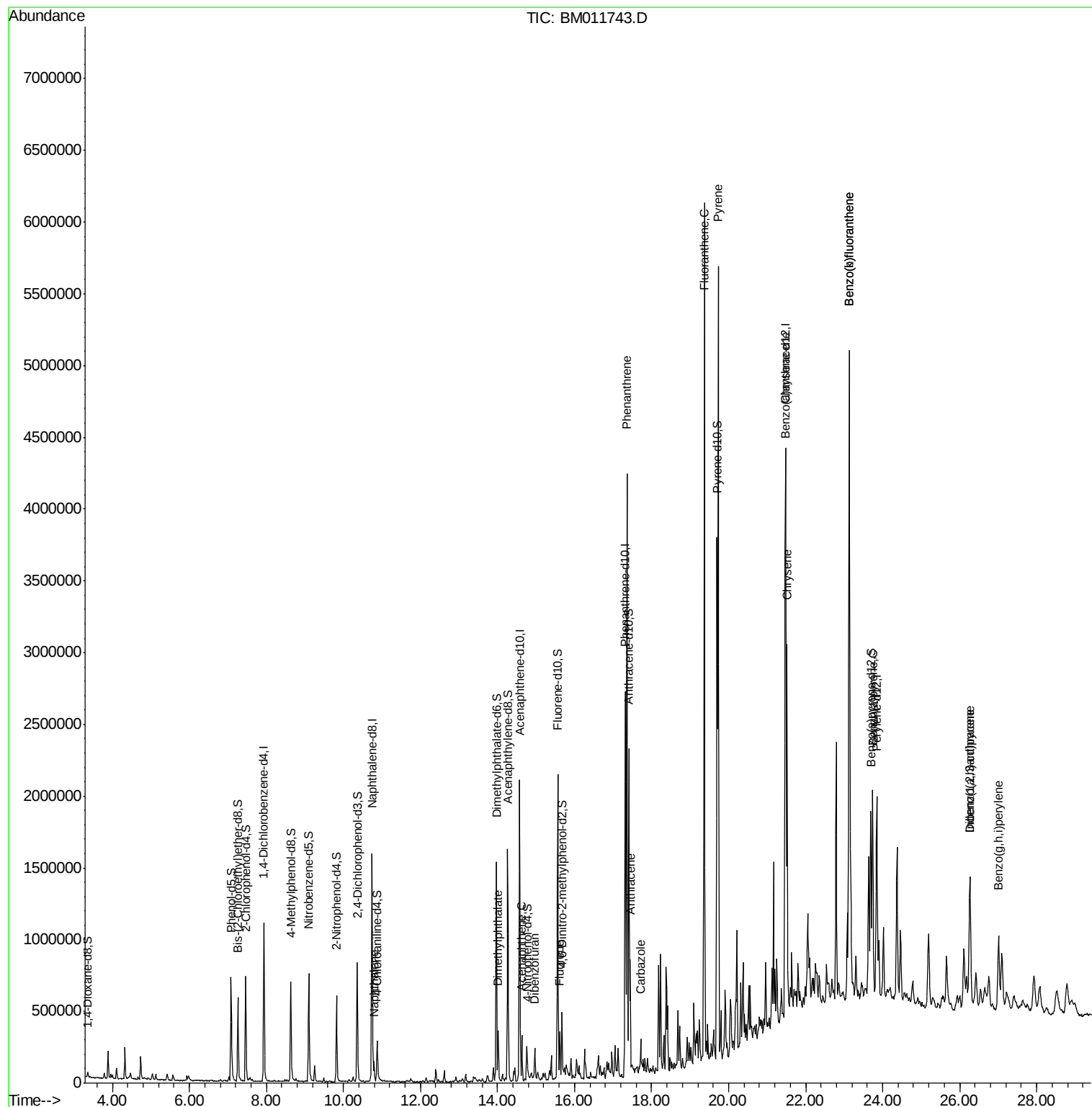
					Ovalue	
28) Naphthalene	10.79	128	93839	1.518	ng/ul	97
44) Dimethylphthalate	14.02	163	183125	3.376	ng/ul	99
49) Acenaphthene	14.63	153	111732	2.384	ng/ul	99
53) Dibenzofuran	14.97	168	98764	1.535	ng/ul	93
58) Fluorene	15.62	166	121951	2.238	ng/ul	99
69) Phenanthrene	17.36	178	2308240	28.102	ng/ul	98
71) Anthracene	17.44	178	429845	5.079	ng/ul	99
72) Carbazole	17.72	167	135242	1.824	ng/ul	95
74) Fluoranthene	19.37	202	3487498	34.776	ng/ul#	91
77) Pyrene	19.73	202	3226968	39.590	ng/ul#	88
80) Benzo(a)anthracene	21.46	228	1487623	19.440	ng/ul	98
82) Chrysene	21.52	228	1373056	19.024	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	1675717	26.177	ng/ul#	95
86) Benzo(k)fluoranthene	23.13	252	1675717	25.660	ng/ul#	93
88) Benzo(a)pyrene	23.74	252	1069640	17.300	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.26	276	693698	10.776	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.26	278	104053	1.930	ng/ul#	90
91) Benzo(g,h,i)perylene	27.01	276	664853	12.443	ng/ul#	90

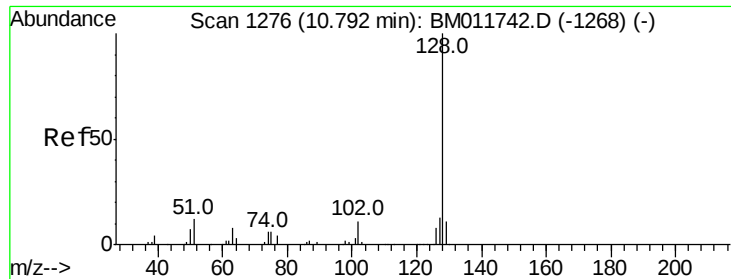
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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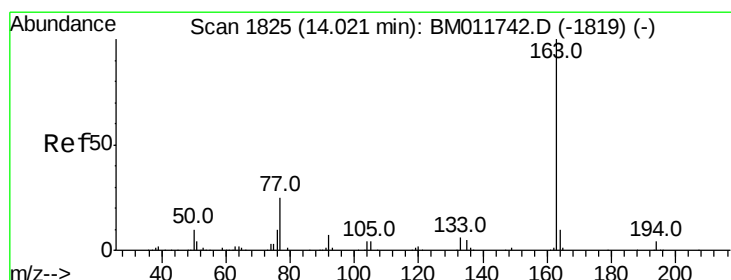
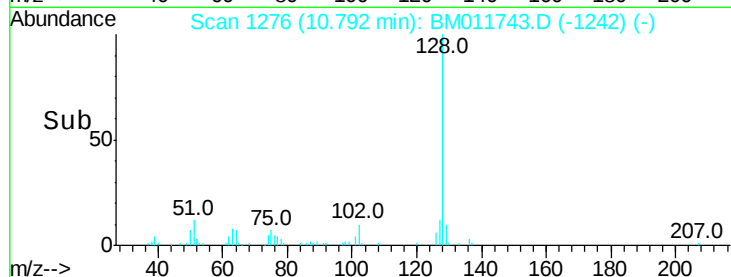
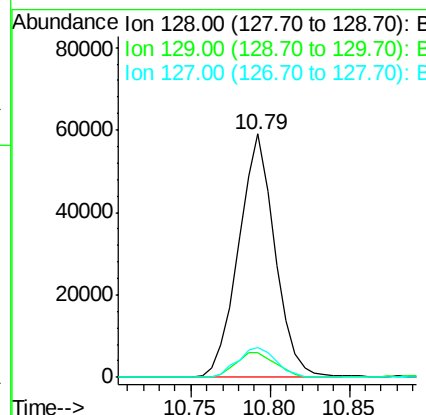
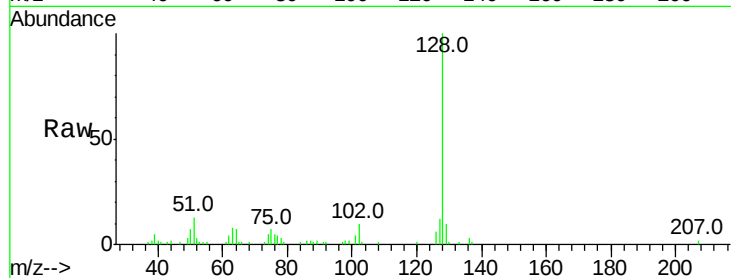




#28
Naphthalene
Concen: 1.518 ng/ul
RT: 10.79 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BM011743.D
Acq: 28 Sep 2017 03:10

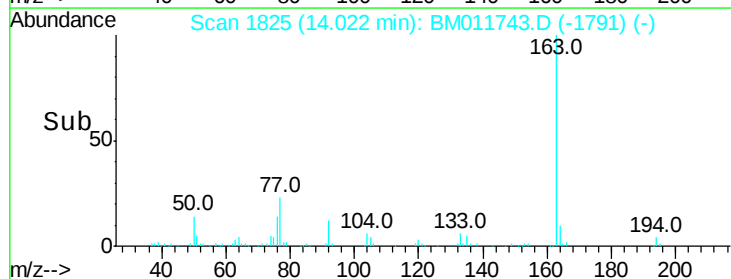
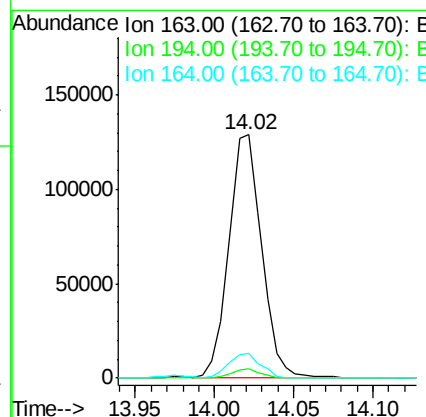
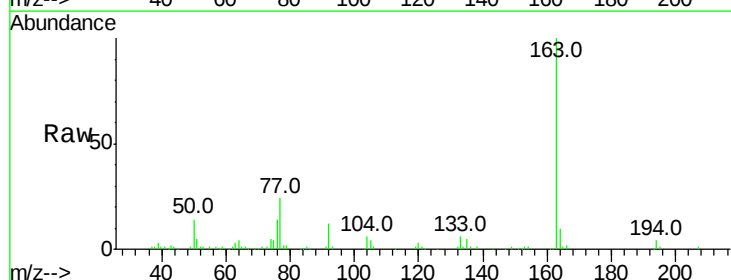
Instrument :
BNA_M
ClientSampleId :

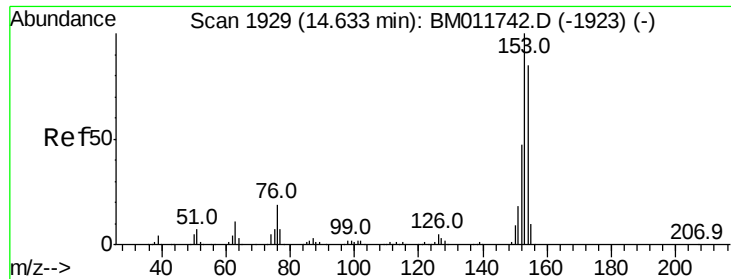
Tot Ion:128 Resp: 93839
Ion Ratio Lower Upper
128 100
129 9.9 8.8 13.2
127 12.2 10.6 16.0



#44
Dimethylphthalate
Concen: 3.376 ng/ul
RT: 14.02 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM011743.D
Acq: 28 Sep 2017 03:10

Tgt Ion:163 Resp: 183125
Ion Ratio Lower Upper
163 100
194 3.8 3.5 5.3
164 10.2 8.2 12.4





#49

Acenaphthene

Concen: 2.384 ng/ul

RT: 14.63 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

Instrument :

BNA_M

ClientSampleId :

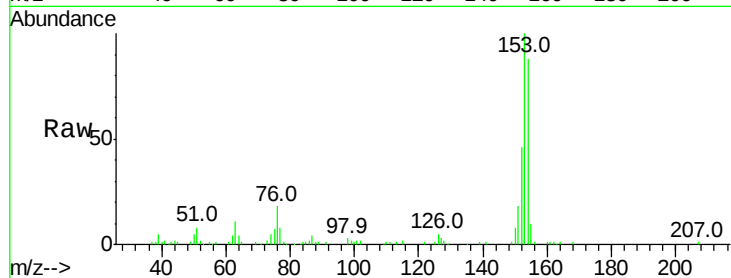
Tot Ion:153 Resp: 111732

Ion Ratio Lower Upper

153 100

152 46.3 37.6 56.4

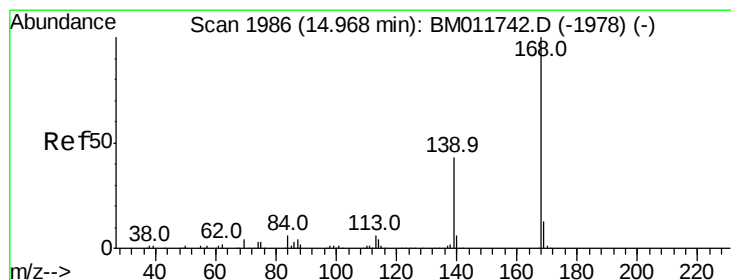
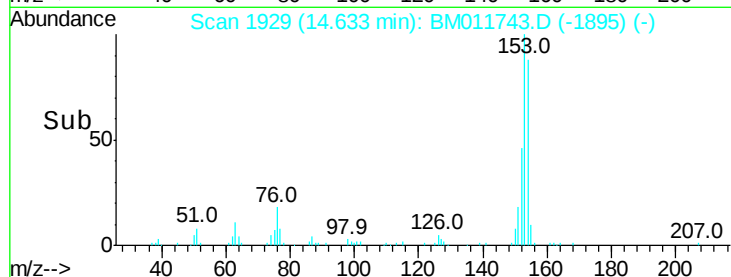
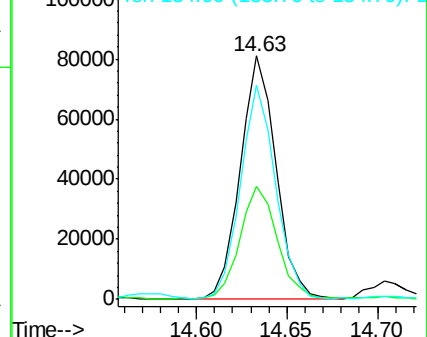
154 87.7 70.4 105.6



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



#53

Dibenzofuran

Concen: 1.535 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011743.D

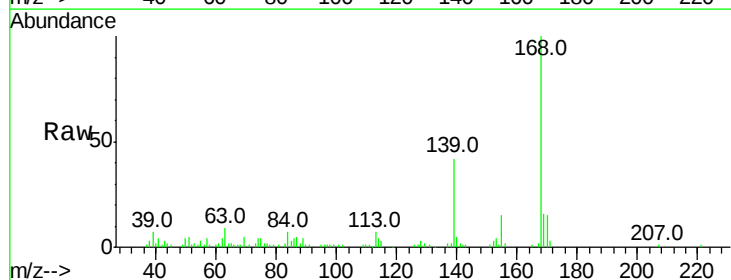
Acq: 28 Sep 2017 03:10

Tgt Ion:168 Resp: 98764

Ion Ratio Lower Upper

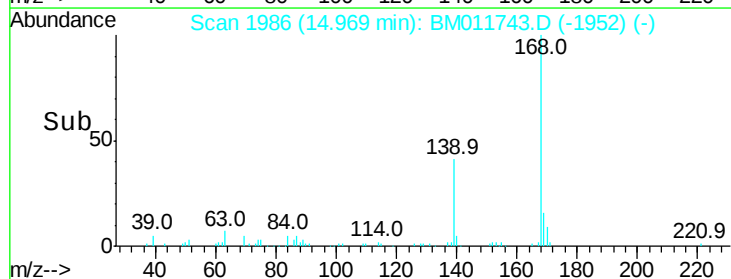
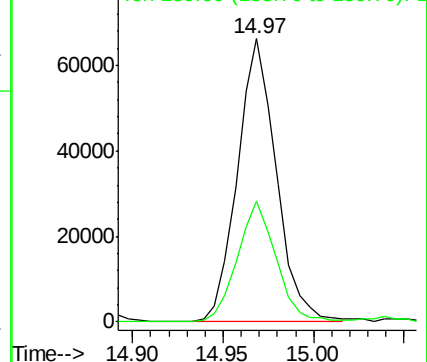
168 100

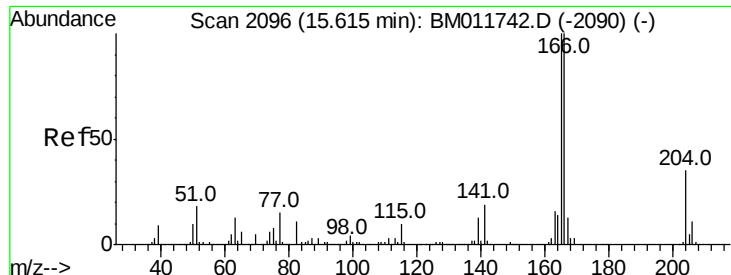
139 42.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.238 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

Instrument :

BNA_M

ClientSampleId :

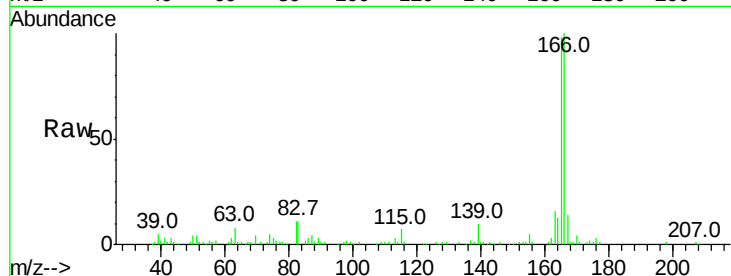
Tot Ion:166 Resp: 121951

Ion Ratio Lower Upper

166 100

165 98.2 77.9 116.9

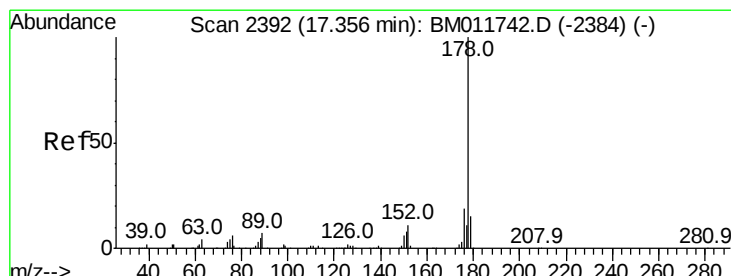
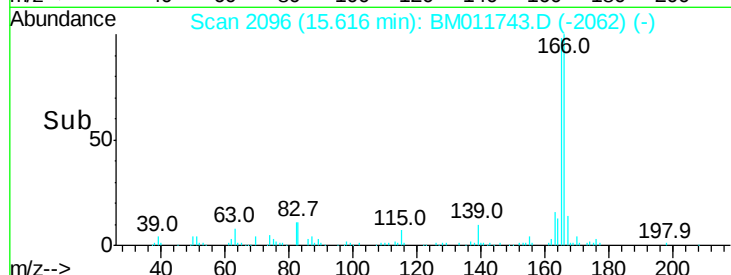
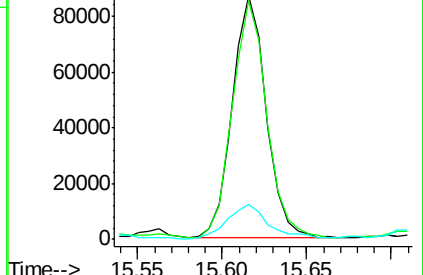
167 14.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 28.102 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

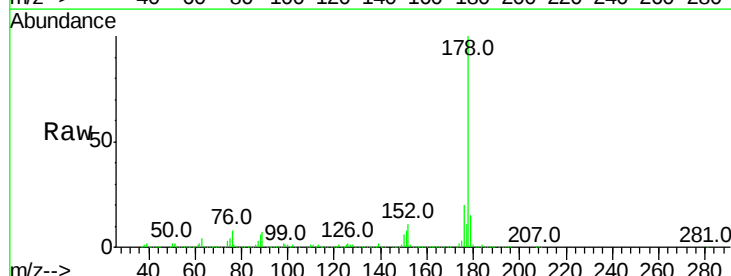
Tgt Ion:178 Resp: 2308240

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

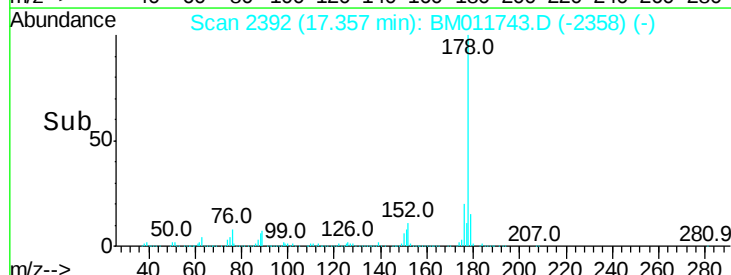
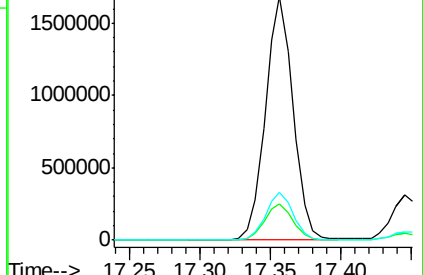
176 19.8 14.9 22.3

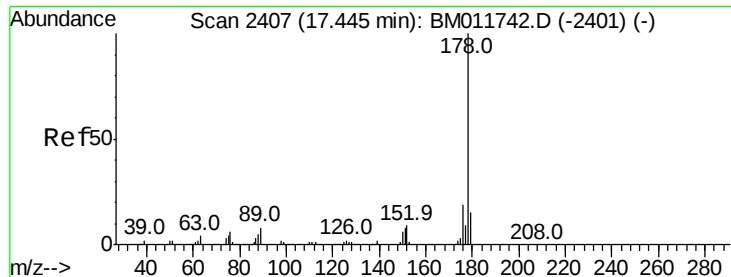


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

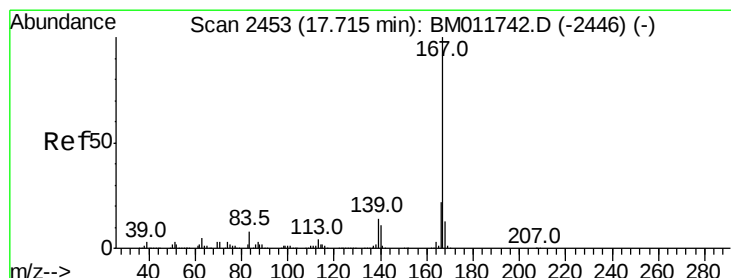
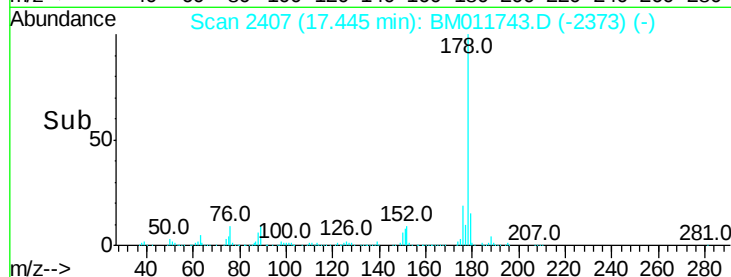
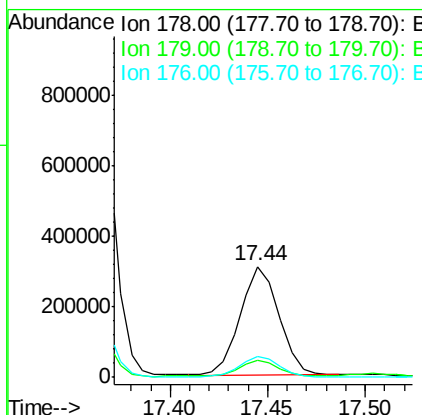
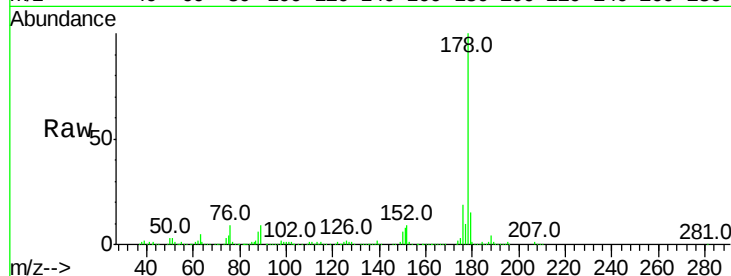




#71
 Anthracene
 Concen: 5.079 ng/ul
 RT: 17.44 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BM011743.D
 Acq: 28 Sep 2017 03:10

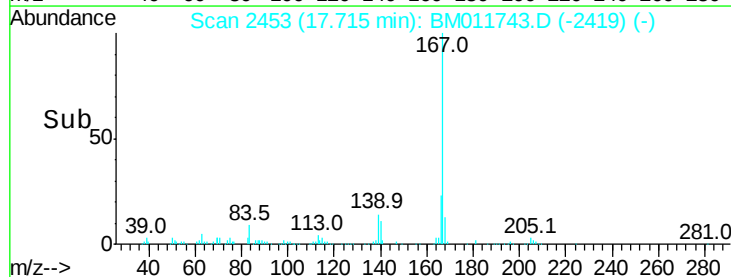
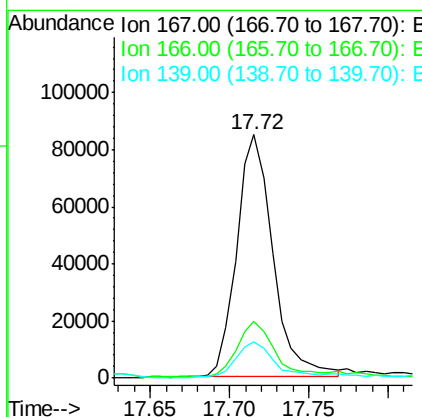
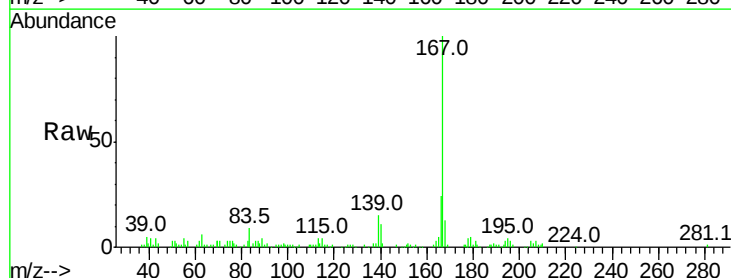
Instrument :
 BNA_M
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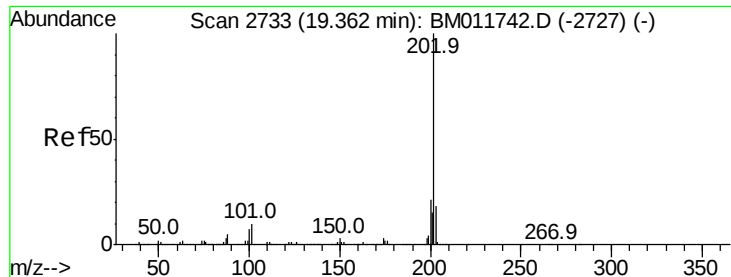
Tot Ion:178 Resp: 429845
 Ion Ratio Lower Upper
 178 100
 179 14.9 11.7 17.5
 176 18.9 14.6 21.8



#72
 Carbazole
 Concen: 1.824 ng/ul
 RT: 17.72 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: BM011743.D
 Acq: 28 Sep 2017 03:10

Tgt Ion:167 Resp: 135242
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.1 25.7
 139 14.7 10.0 15.0

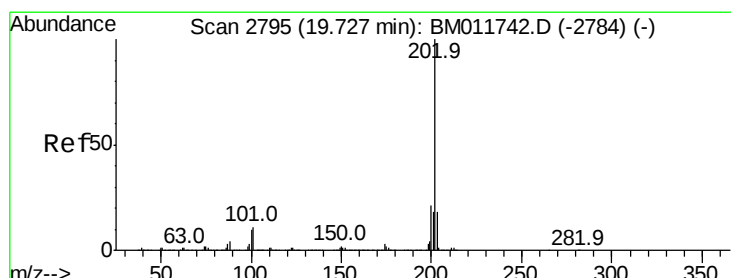
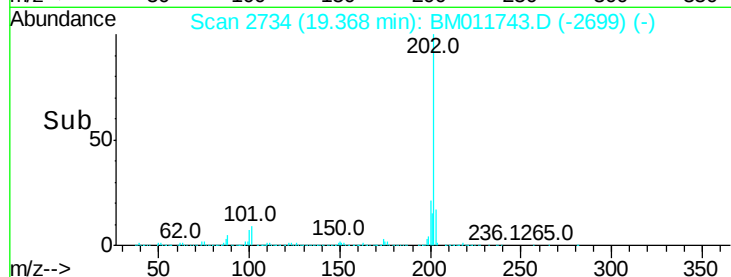
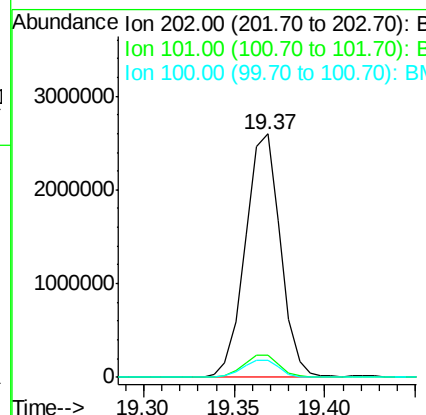
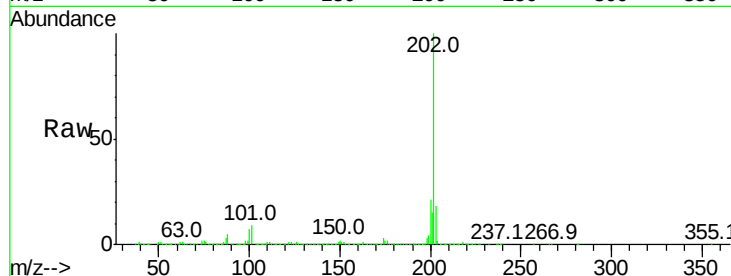




#74
 Fluoranthene
 Concen: 34.776 ng/ul
 RT: 19.37 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BM011743.D
 Acq: 28 Sep 2017 03:10

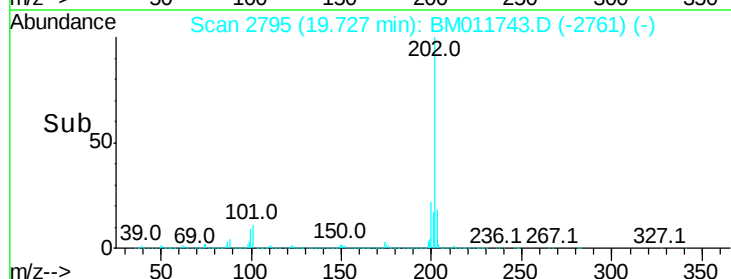
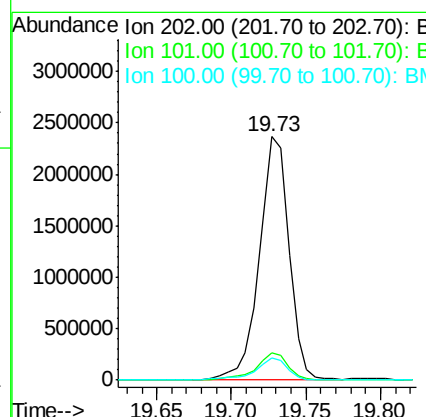
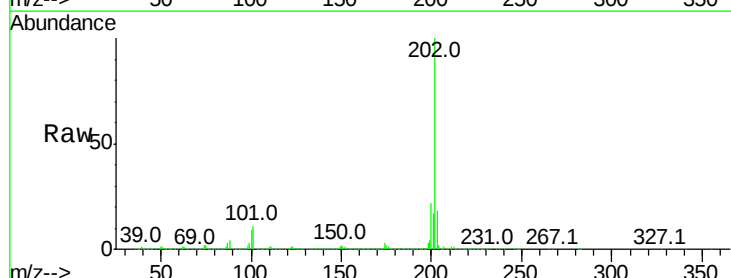
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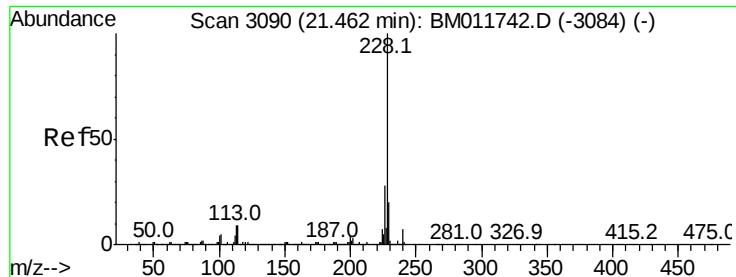
Tot Ion:202 Resp: 3487498
 Ion Ratio Lower Upper
 202 100
 101 9.1 4.6 7.0#
 100 7.2 3.4 5.2#



#77
 Pyrene
 Concen: 39.590 ng/ul
 RT: 19.73 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BM011743.D
 Acq: 28 Sep 2017 03:10

Tgt Ion:202 Resp: 3226968
 Ion Ratio Lower Upper
 202 100
 101 11.2 5.1 7.7#
 100 9.3 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 19.440 ng/ul

RT: 21.46 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

Instrument :

BNA_M

ClientSampleId :

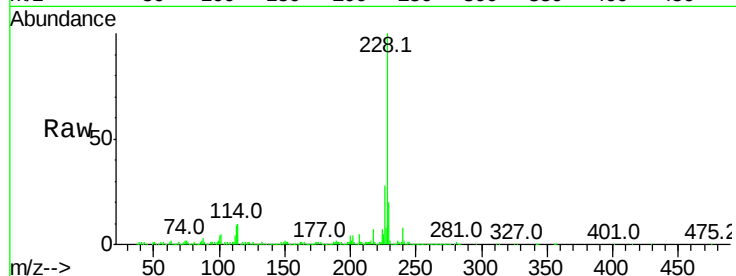
Tot Ion:228 Resp: 1487623

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	27.9	21.4	32.0

228 100

229 20.3 15.4 23.0

226 27.9 21.4 32.0

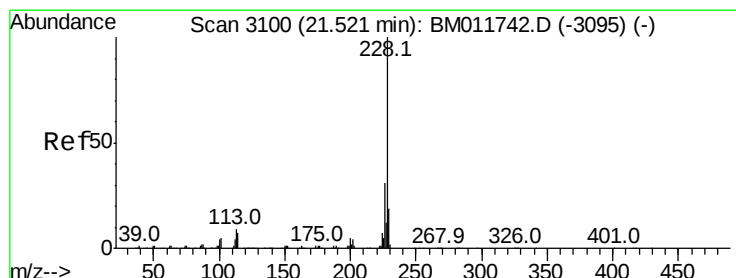
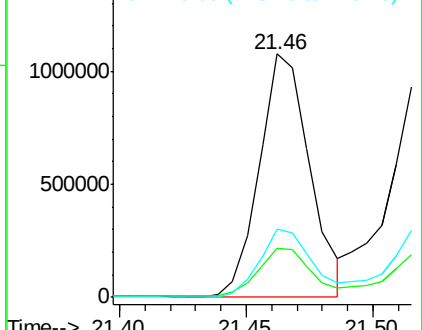
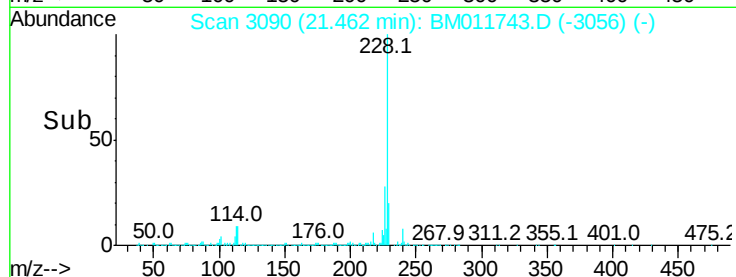


Abundance

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



#82

Chrysene

Concen: 19.024 ng/ul

RT: 21.52 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

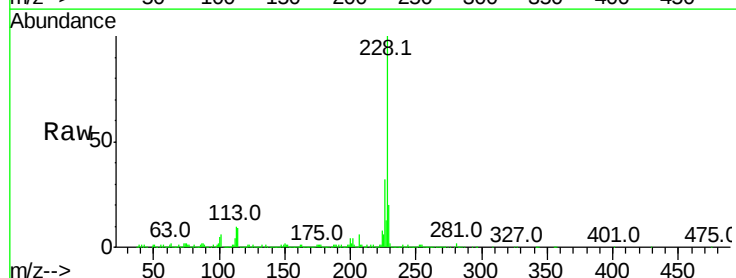
Tgt Ion:228 Resp: 1373056

Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	20.5	15.5	23.3

228 100

226 31.8 23.4 35.2

229 20.5 15.5 23.3

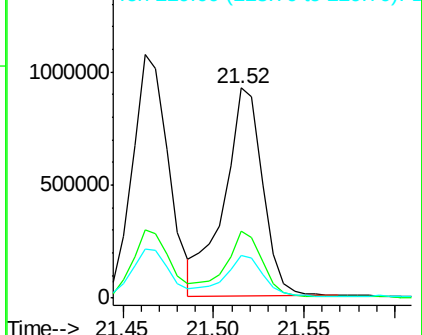
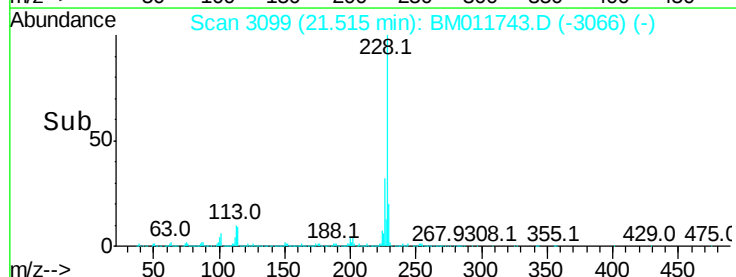


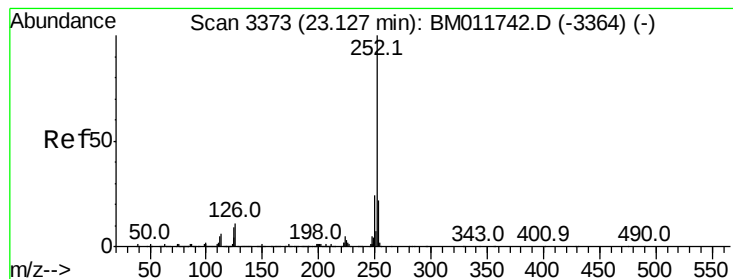
Abundance

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





#85

Benzo(b)fluoranthene

Concen: 26.177 ng/ul

RT: 23.13 min Scan# 3374

Delta R.T. 0.01 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

Instrument :

BNA_M

ClientSampleId :

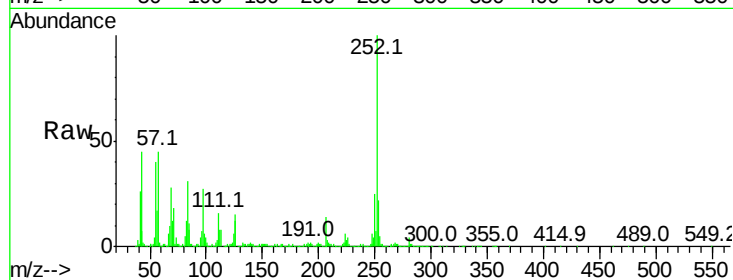
Tot Ion:252 Resp: 1675717

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

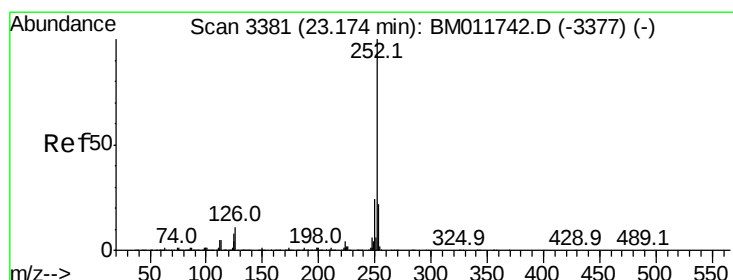
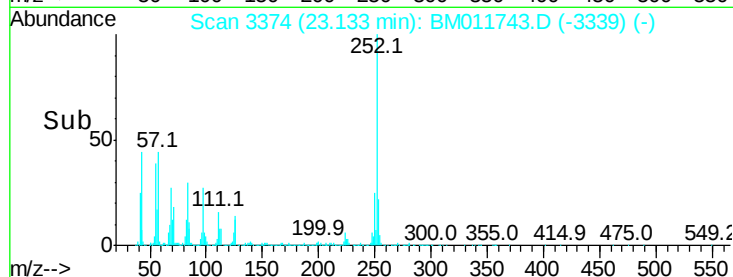
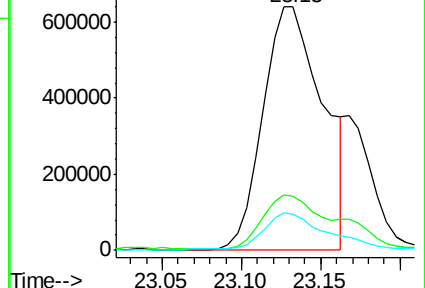
125 14.7 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 25.660 ng/ul

RT: 23.13 min Scan# 3374

Delta R.T. -0.04 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

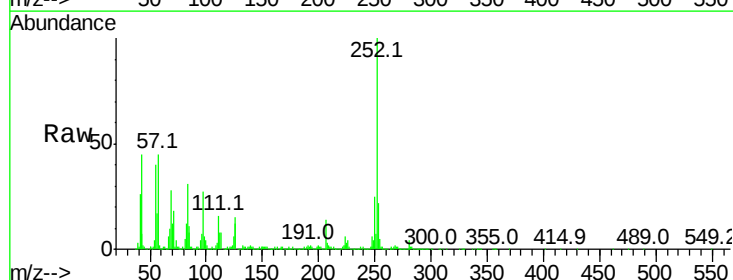
Tgt Ion:252 Resp: 1675717

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

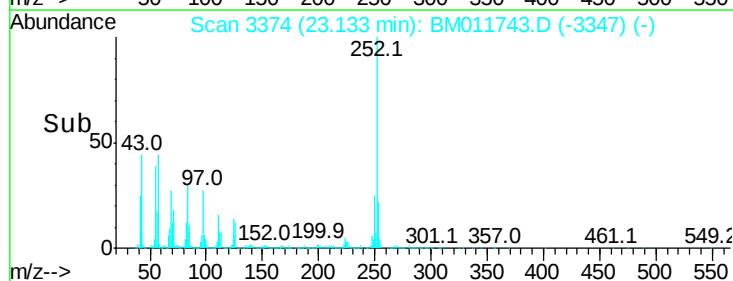
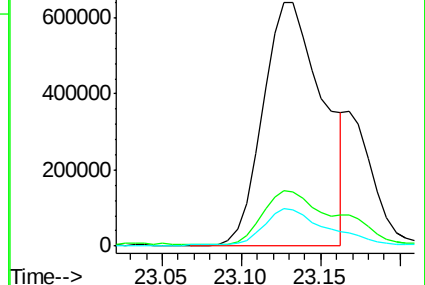
125 14.7 3.4 5.2#

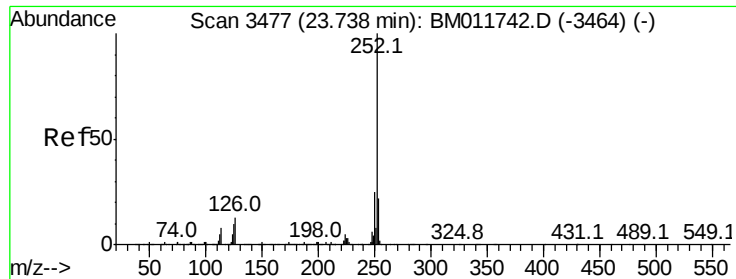


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 17.300 ng/ul

RT: 23.74 min Scan# 3477

Delta R.T. 0.00 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

Instrument :

BNA_M

ClientSampleId :

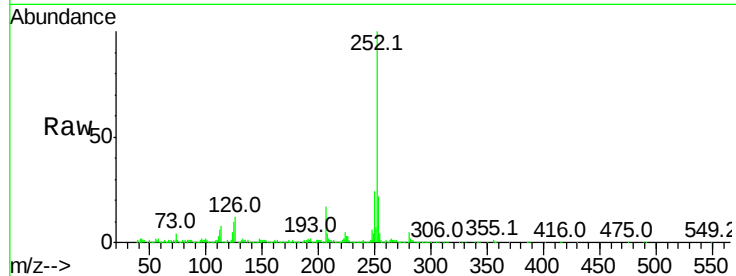
Tot Ion:252 Resp: 1069640

Ion Ratio Lower Upper

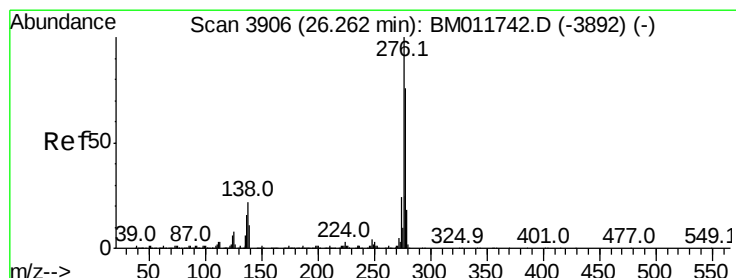
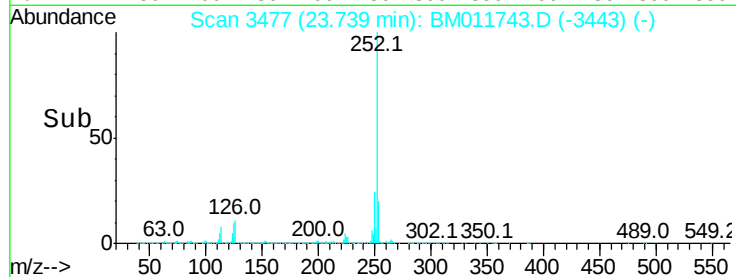
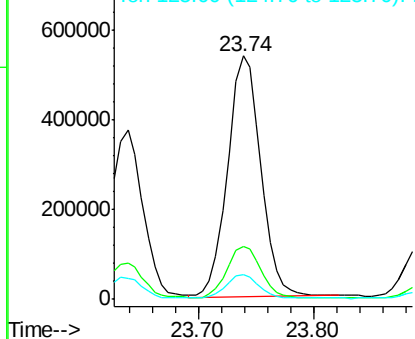
252 100

253 21.7 18.2 27.2

125 10.3 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 10.776 ng/ul

RT: 26.26 min Scan# 3906

Delta R.T. 0.00 min

Lab File: BM011743.D

Acq: 28 Sep 2017 03:10

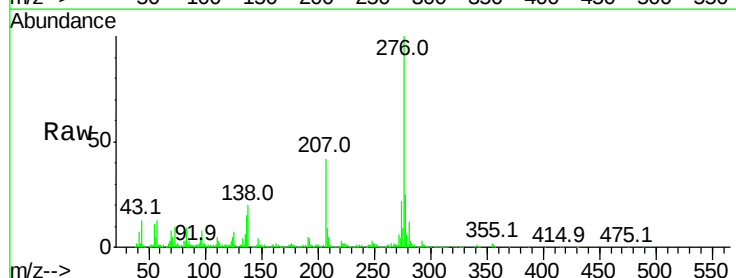
Tgt Ion:276 Resp: 693698

Ion Ratio Lower Upper

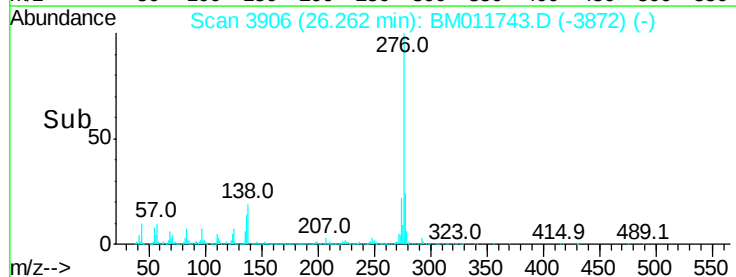
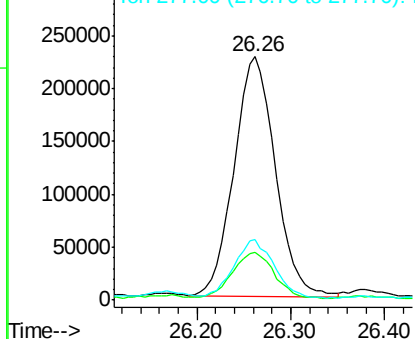
276 100

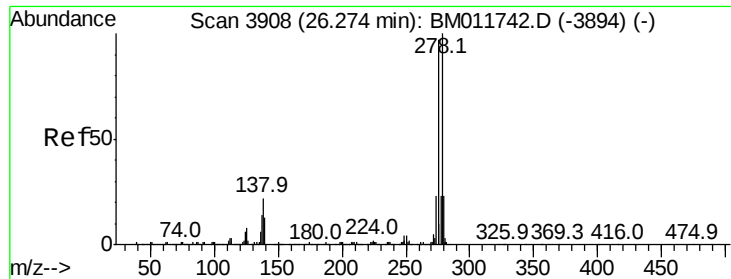
138 19.5 9.3 13.9#

277 24.7 19.9 29.9



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

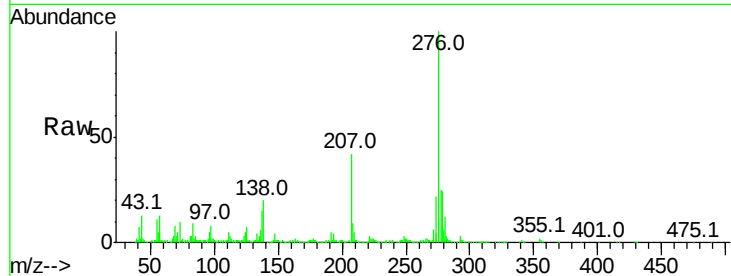




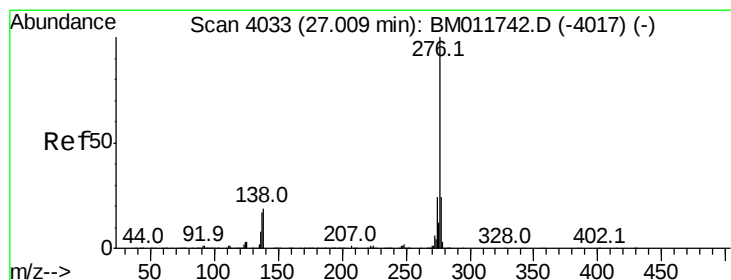
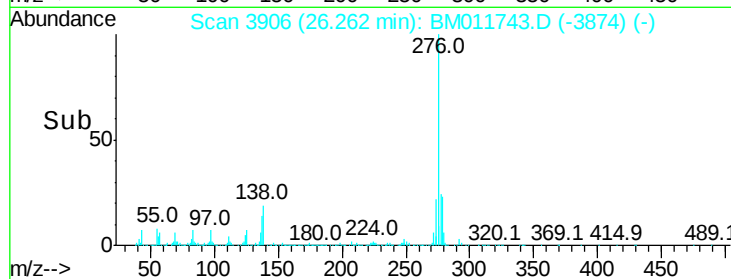
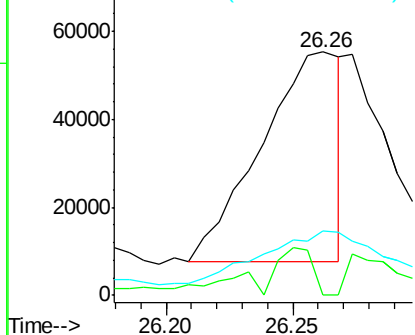
#90
Dibenzo(a,h)anthracene
Concen: 1.930 ng/ul
RT: 26.26 min Scan# 3906
Delta R.T. -0.01 min
Lab File: BM011743.D
Acq: 28 Sep 2017 03:10

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 104053
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 26.3 18.6 27.8

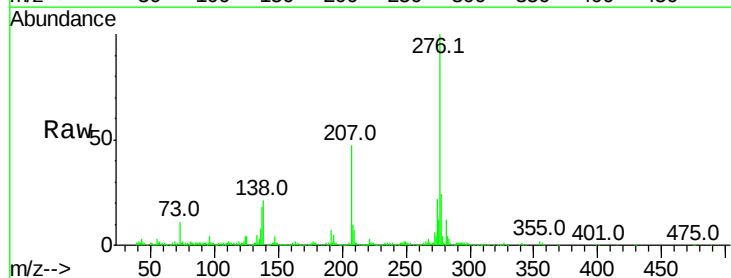


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 12.443 ng/ul
RT: 27.01 min Scan# 4033
Delta R.T. 0.00 min
Lab File: BM011743.D
Acq: 28 Sep 2017 03:10

Tgt Ion:276 Resp: 664853
Ion Ratio Lower Upper
276 100
138 20.7 8.5 12.7#
277 24.1 18.6 28.0



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

