

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012093.D
 Acq On : 12 Oct 2017 06:03
 Operator : SJ/JU
 Sample : I5550-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 12 06:44:14 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 04:22:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	426279	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1785810	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	1018054	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1993285	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1774155	20.00	ng/ul	0.00
83) Perylene-d12	23.75	264	1981447	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	19262	2.14	ng/uL	0.00
5) Phenol-d5	7.00	99	499822	13.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	324563	14.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	445479	15.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	410248	12.94	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	218195	17.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	241882	16.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	460295	15.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	158261	5.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1450909	16.44	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1802117	17.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	134434	8.72	ng/ul	0.01
57) Fluorene-d10	15.48	176	1194720	15.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	46095	3.44	ng/ul	0.00
70) Anthracene-d10	17.33	188	1625156	16.55	ng/ul	0.00
76) Pyrene-d10	19.63	212	1531182	19.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.60	264	1757968	18.44	ng/ul	0.02

Target Compounds

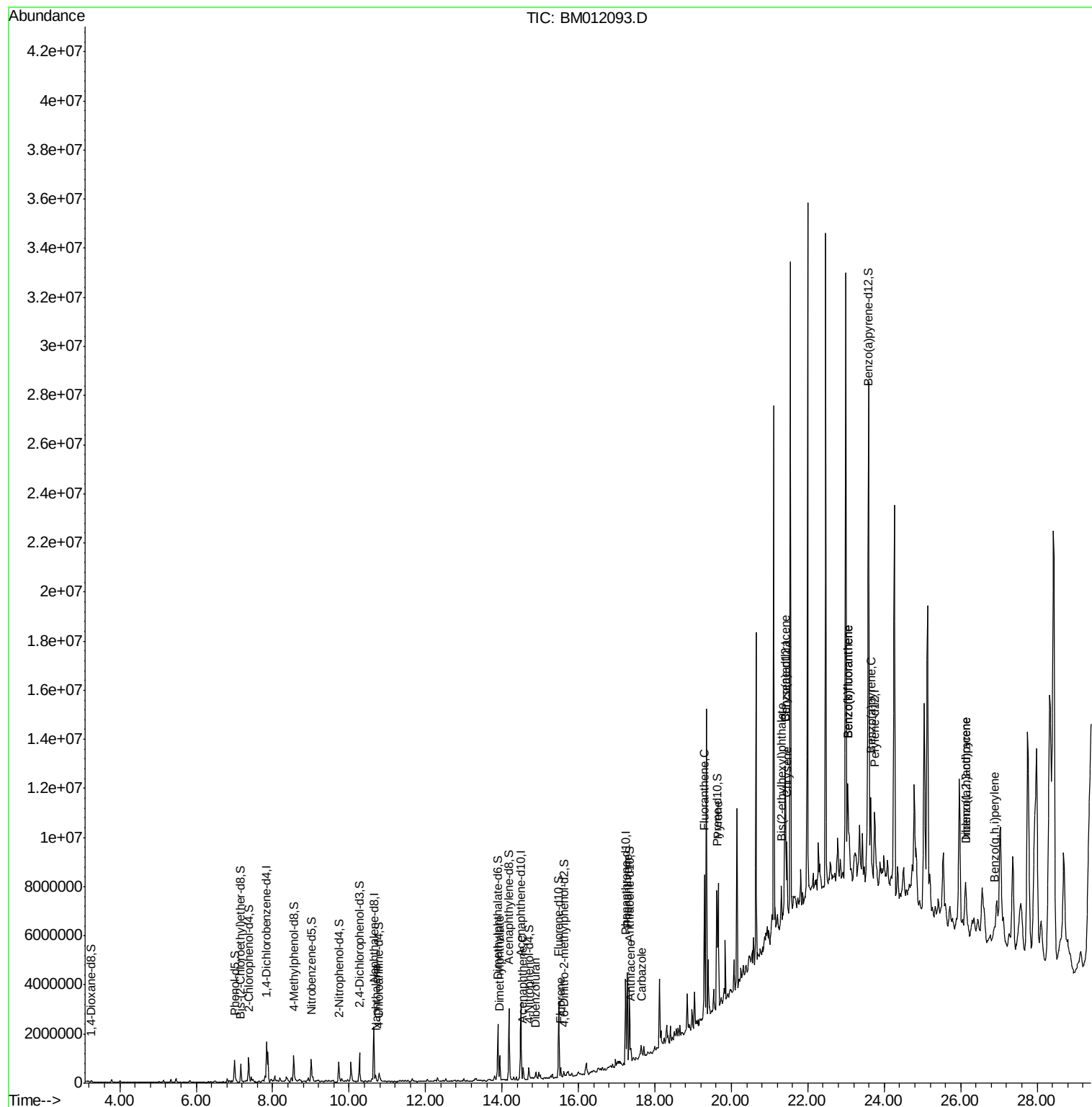
					Ovalue	
28) Naphthalene	10.69	128	201892	2.254	ng/ul	98
44) Dimethylphthalate	13.94	163	590565	6.957	ng/ul	99
49) Acenaphthene	14.55	153	186883	2.686	ng/ul	99
53) Dibenzofuran	14.89	168	127421	1.262	ng/ul	96
58) Fluorene	15.54	166	170369	2.021	ng/ul	99
69) Phenanthrene	17.28	178	2174780	19.835	ng/ul	99
71) Anthracene	17.37	178	439115	3.936	ng/ul	96
72) Carbazole	17.64	167	258770	2.678	ng/ul#	94
74) Fluoranthene	19.29	202	3322188	24.834	ng/ul#	89
77) Pyrene	19.66	202	2834066	28.810	ng/ul#	90
80) Benzo(a)anthracene	21.40	228	1474774	14.510	ng/ul#	94
81) Bis(2-ethylhexyl)phthalate	21.31	149	450998	7.867	ng/ul	98
82) Chrysene	21.45	228	1709999	17.707	ng/ul#	95
85) Benzo(b)fluoranthene	23.04	252	2554148	21.207	ng/ul#	93
86) Benzo(k)fluoranthene	23.04	252	2554148	21.242	ng/ul#	91
88) Benzo(a)pyrene	23.65	252	1556791	13.452	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	26.14	276	1201964	9.706	ng/ul#	91
90) Dibenzo(a,h)anthracene	26.14	278	309369	3.040	ng/ul#	60
91) Benzo(g,h,i)perylene	26.88	276	1041627	10.168	ng/ul#	86

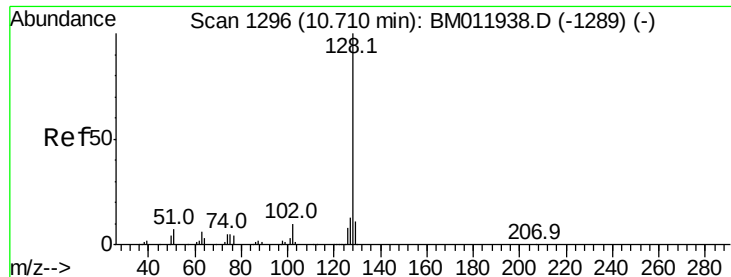
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 2.254 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

Instrument :

BNA_M

ClientSampleId :

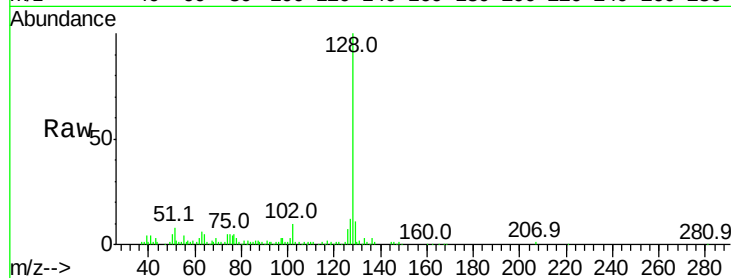
Tot Ion:128 Resp: 201892

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

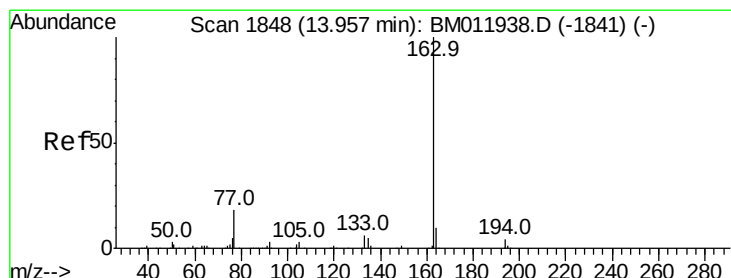
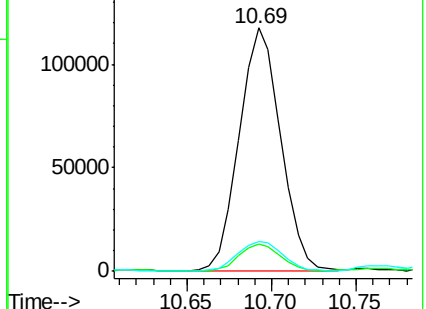
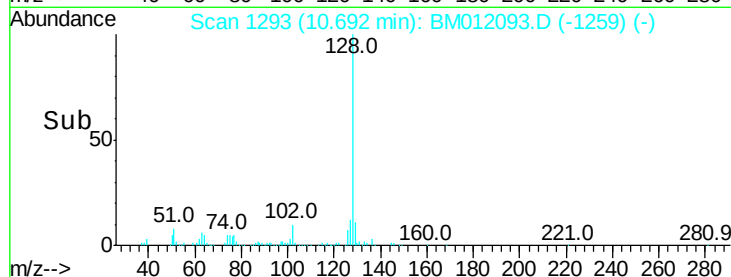
127 12.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 6.957 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

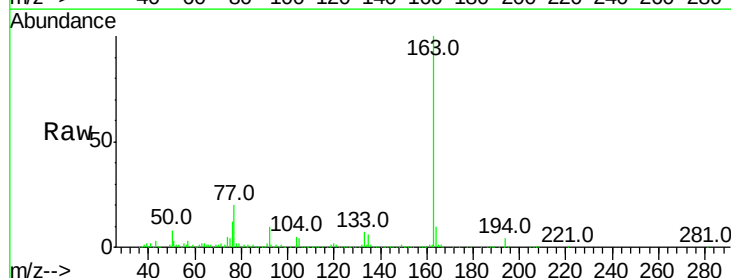
Tgt Ion:163 Resp: 590565

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

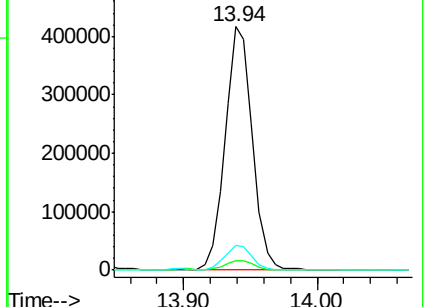
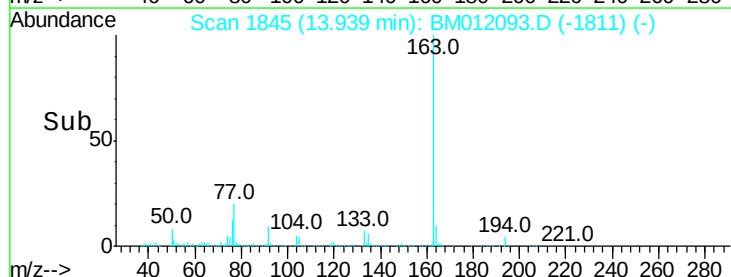
164 10.1 8.2 12.4

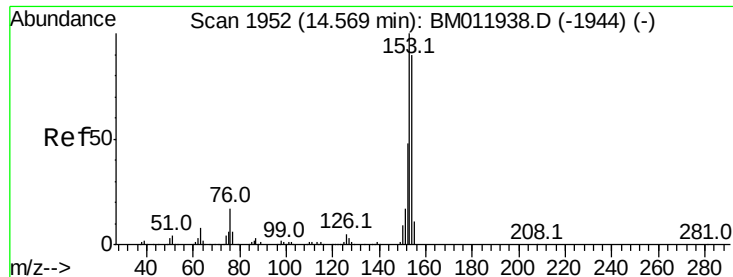


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 2.686 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

Instrument :

BNA_M

ClientSampleId :

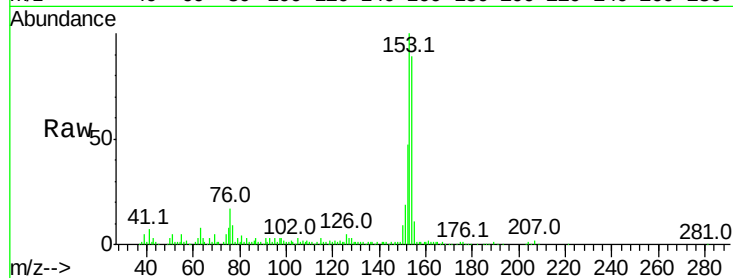
Tot Ion:153 Resp: 186883

Ion Ratio Lower Upper

153 100

152 47.0 37.6 56.4

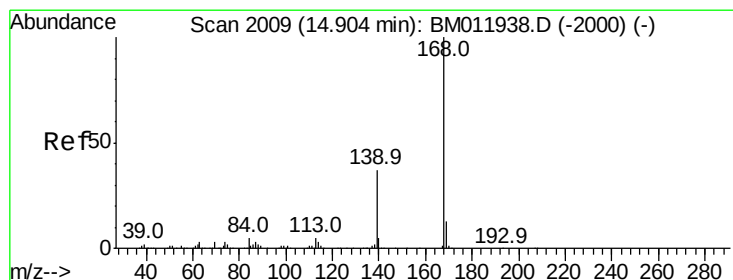
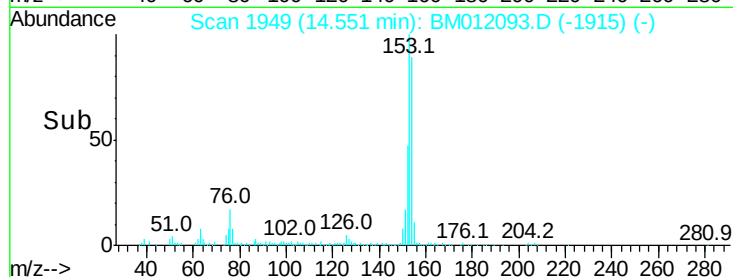
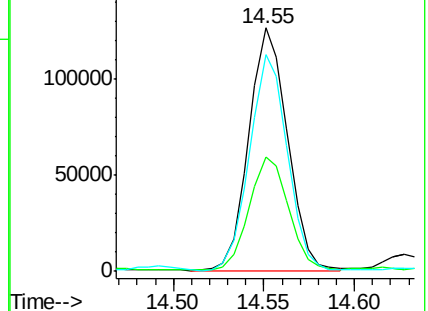
154 89.0 70.4 105.6



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: 1.262 ng/ul

RT: 14.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BM012093.D

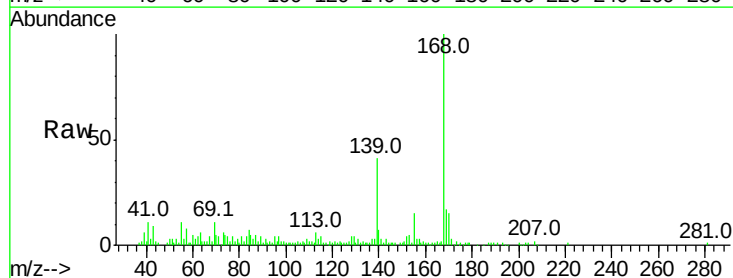
Acq: 12 Oct 2017 06:03

Tgt Ion:168 Resp: 127421

Ion Ratio Lower Upper

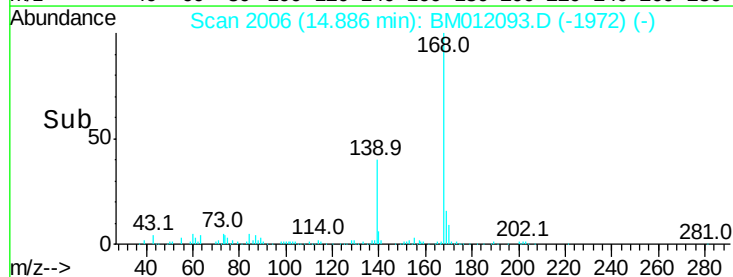
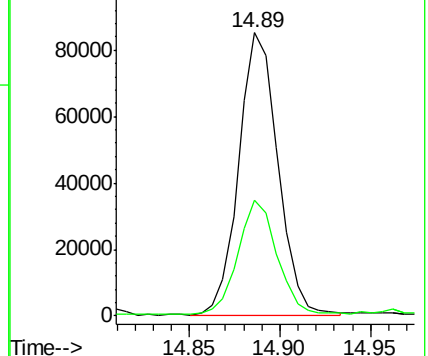
168 100

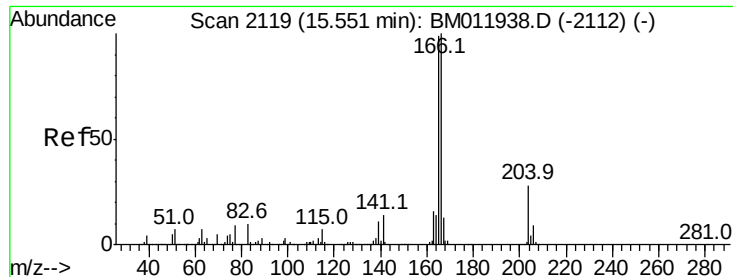
139 41.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

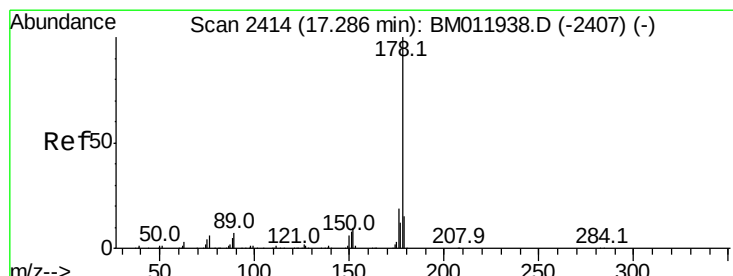
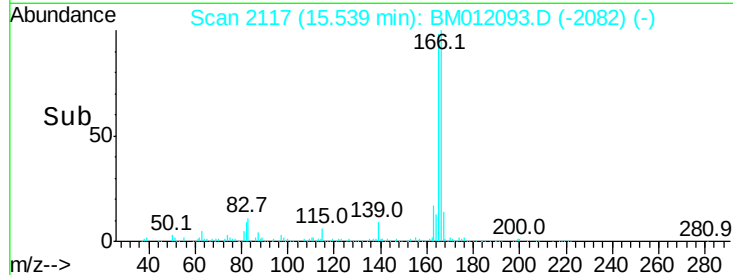
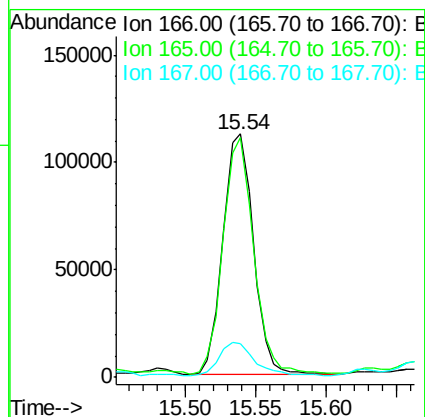
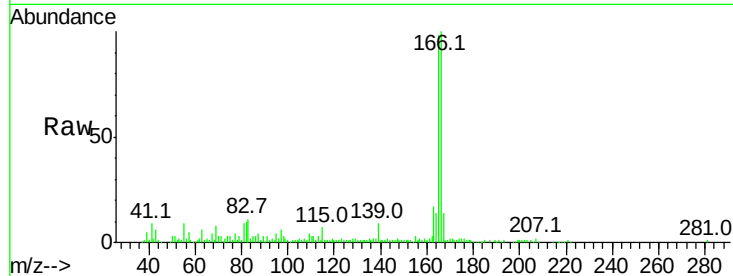




#58
 Fluorene
 Concen: 2.021 ng/ul
 RT: 15.54 min Scan# 2117
 Delta R.T. 0.01 min
 Lab File: BM012093.D
 Acq: 12 Oct 2017 06:03

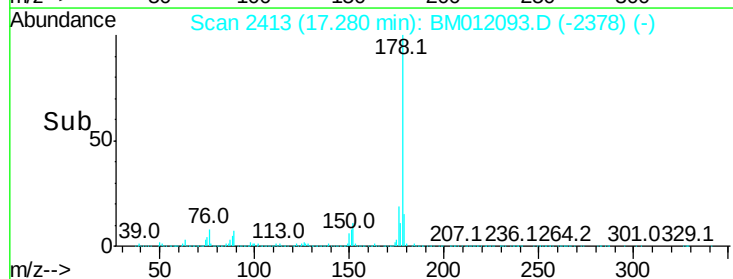
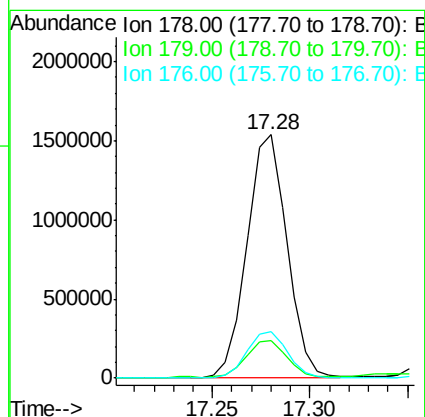
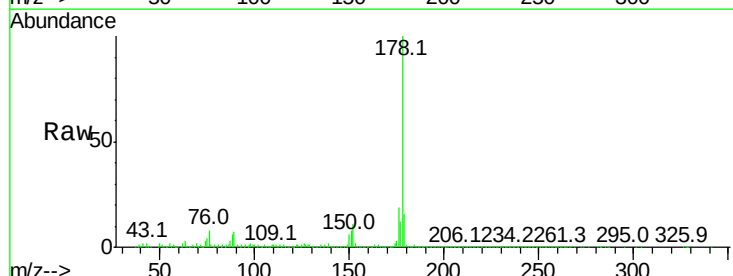
Instrument :
 BNA_M
 ClientSampleId :

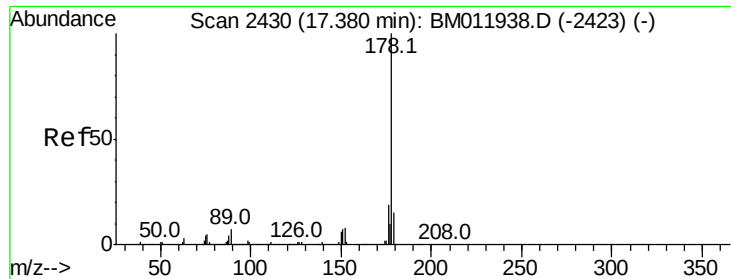
Tot Ion:166 Resp: 170369
 Ion Ratio Lower Upper
 166 100
 165 98.4 77.9 116.9
 167 14.1 10.6 16.0



#69
 Phenanthrene
 Concen: 19.835 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.01 min
 Lab File: BM012093.D
 Acq: 12 Oct 2017 06:03

Tgt Ion:178 Resp: 2174780
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.6 19.0
 176 19.3 14.9 22.3

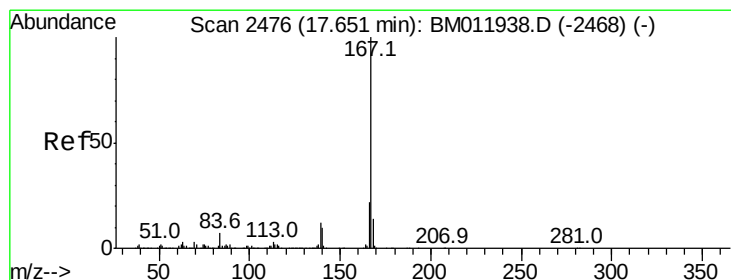
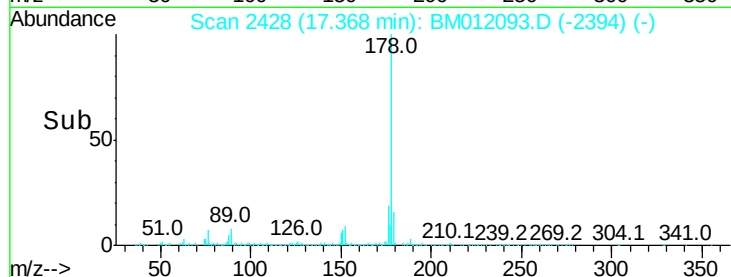
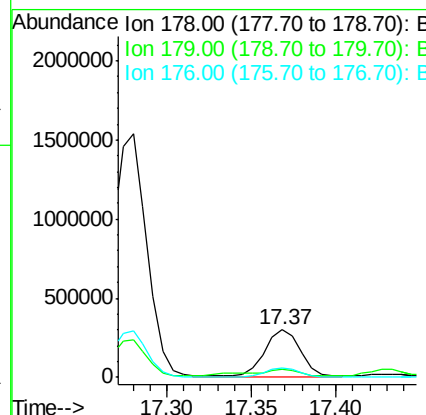
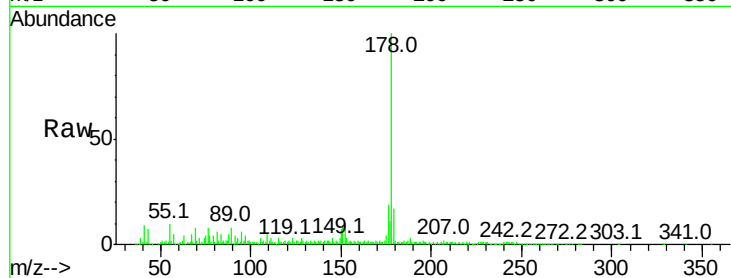




#71
 Anthracene
 Concen: 3.936 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM012093.D
 Acq: 12 Oct 2017 06:03

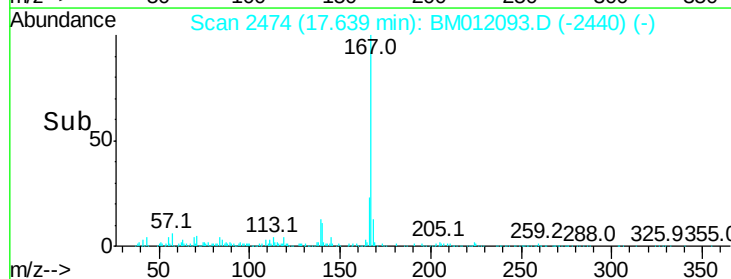
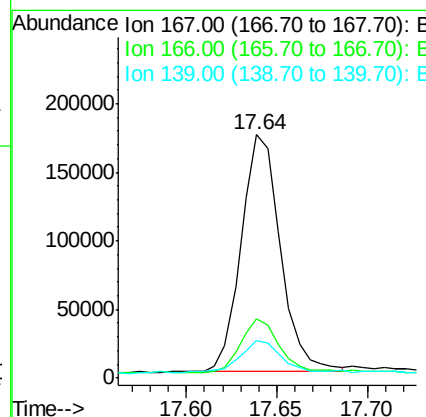
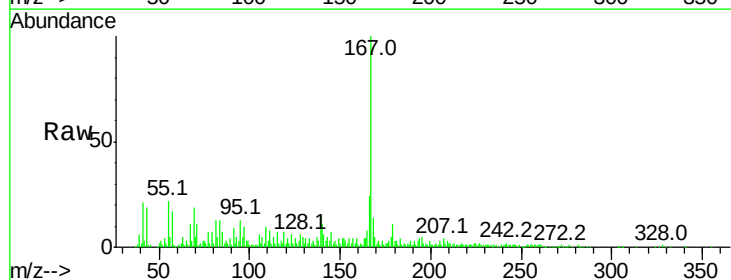
Instrument :
 BNA_M
 ClientSampleId :

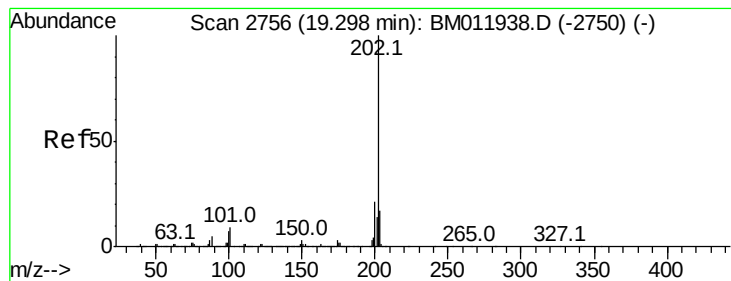
Tot Ion	Ratio	Lower	Upper
178	100		
179	17.2	11.7	17.5
176	19.1	14.6	21.8



#72
 Carbazole
 Concen: 2.678 ng/ul
 RT: 17.64 min Scan# 2474
 Delta R.T. -0.00 min
 Lab File: BM012093.D
 Acq: 12 Oct 2017 06:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.2	17.1	25.7
139	15.2	10.0	15.0#





#74

Fluoranthene

Concen: 24.834 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

Instrument :

BNA_M

ClientSampleId :

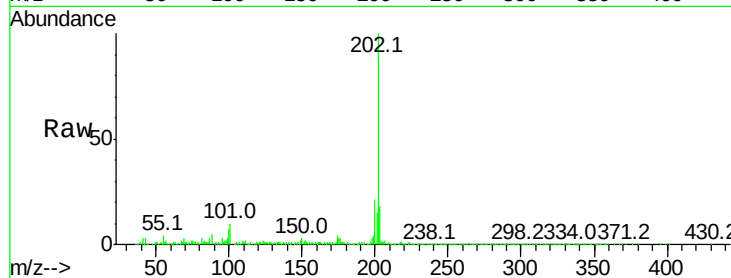
Tot Ion:202 Resp: 3322188

Ion Ratio Lower Upper

202 100

101 9.6 4.6 7.0#

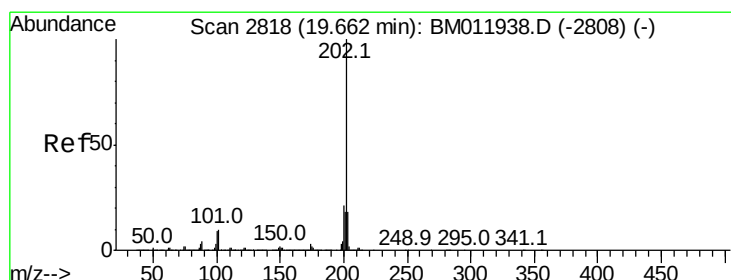
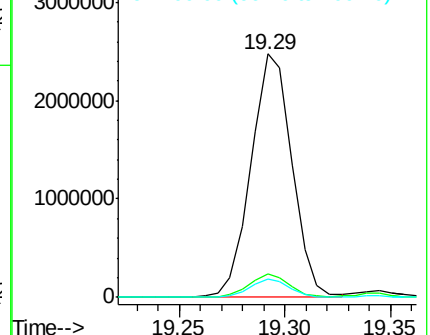
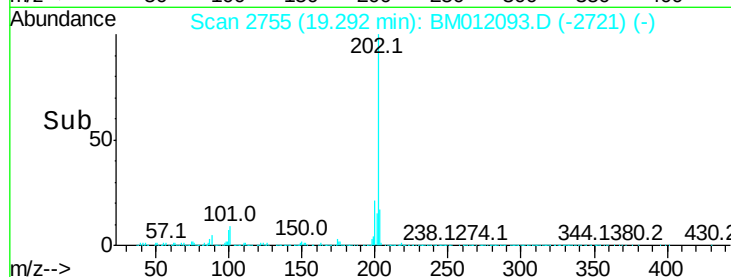
100 7.4 3.4 5.2#



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



#77

Pyrene

Concen: 28.810 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

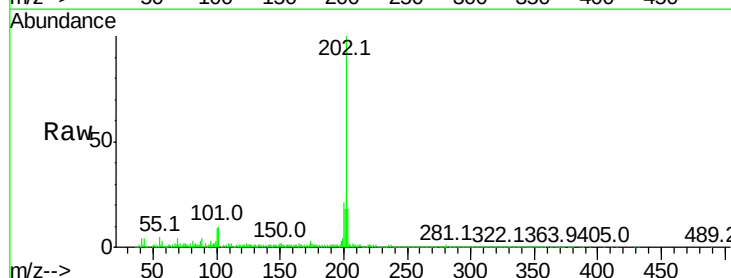
Tgt Ion:202 Resp: 2834066

Ion Ratio Lower Upper

202 100

101 10.5 5.1 7.7#

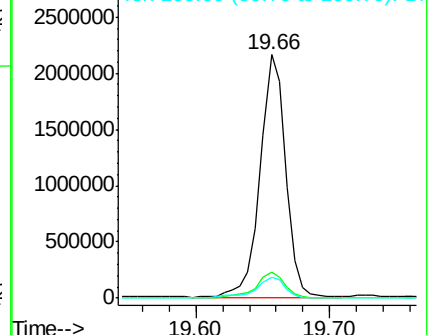
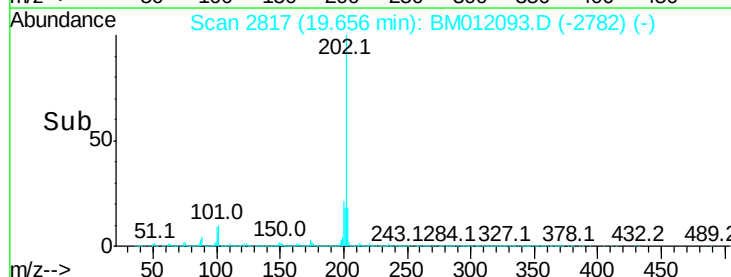
100 8.7 4.9 7.3#

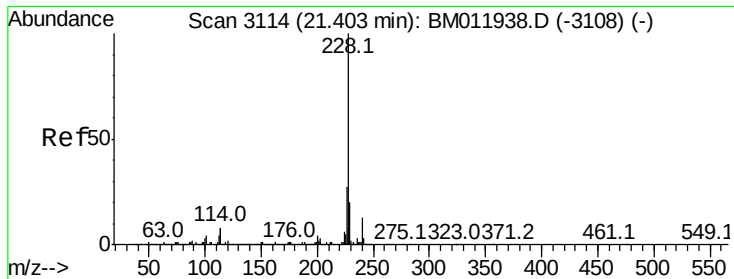


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 14.510 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

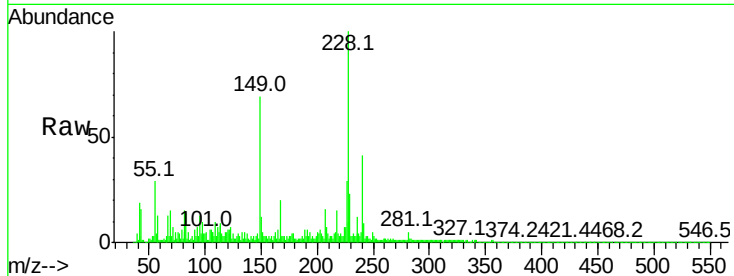
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 1474774

Ion	Ratio	Lower	Upper
228	100		
229	23.4	15.4	23.0#
226	28.6	21.4	32.0

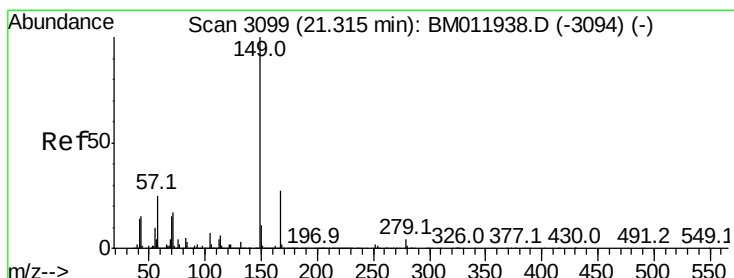
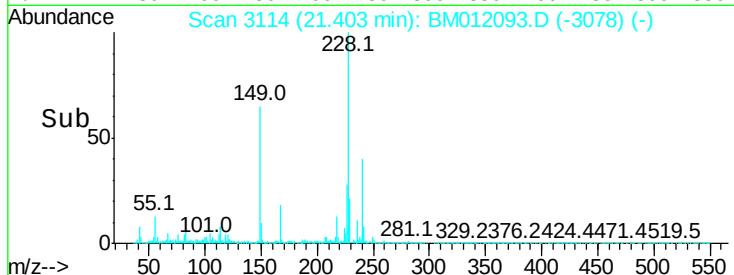
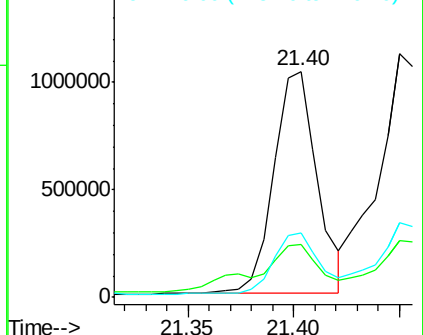


Abundance

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



#81

Bis(2-ethylhexyl)phthalate

Concen: 7.867 ng/ul

RT: 21.31 min Scan# 3098

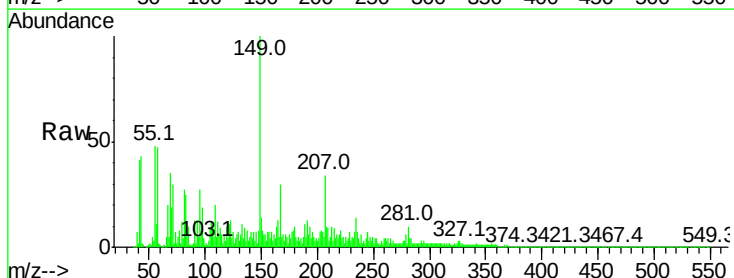
Delta R.T. 0.01 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

Tgt Ion:149 Resp: 450998

Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.8	34.2
279	6.0	4.9	7.3

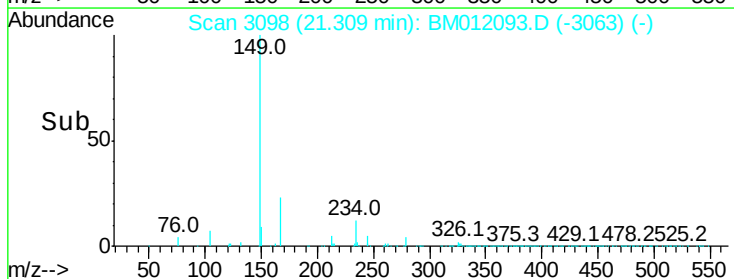
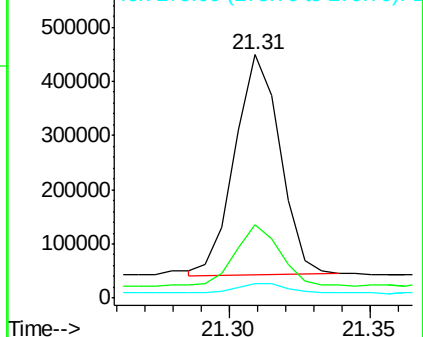


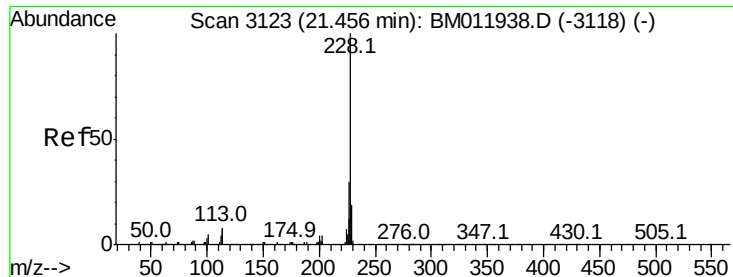
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 17.707 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.01 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

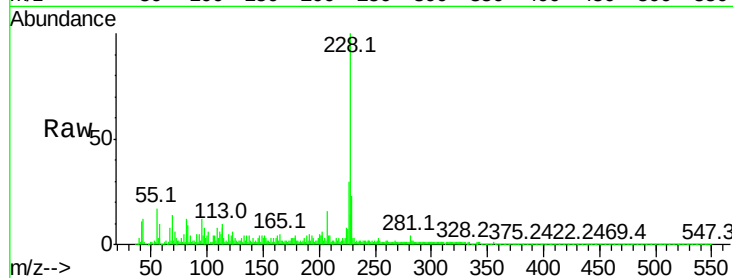
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 1709999

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	23.3	15.5	23.3#

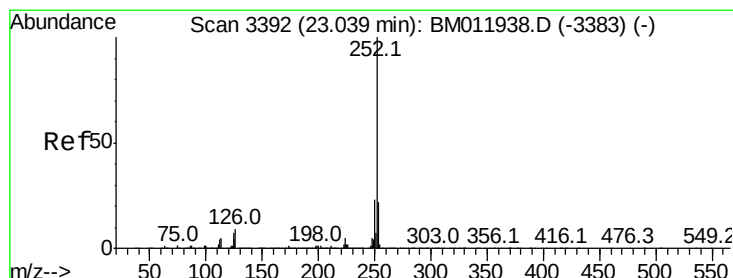
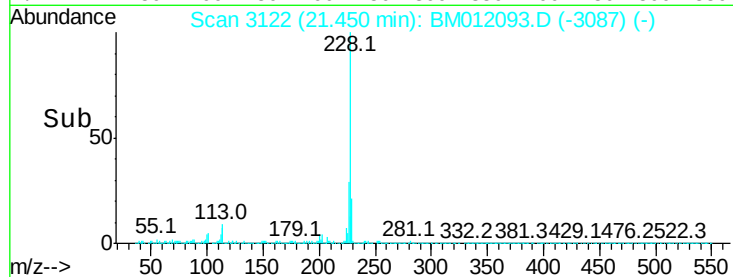
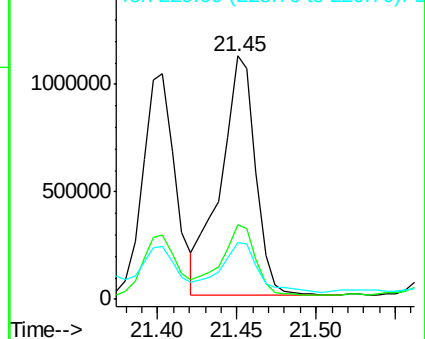


Abundance

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: 21.207 ng/ul

RT: 23.04 min Scan# 3393

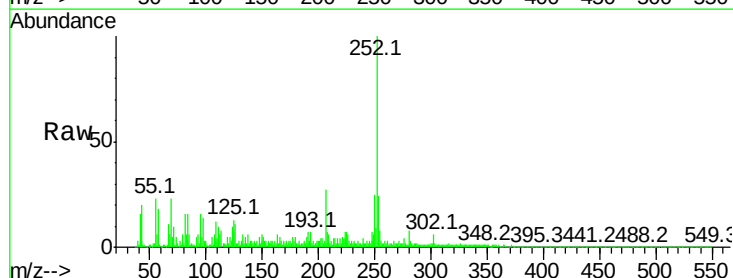
Delta R.T. 0.02 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

Tgt Ion:252 Resp: 2554148

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	12.7	3.6	5.4#

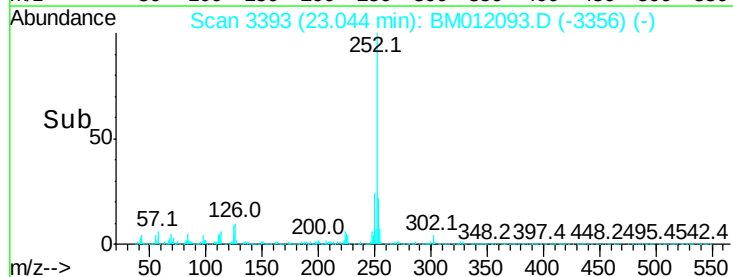
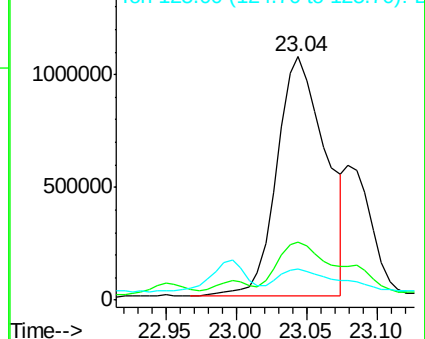


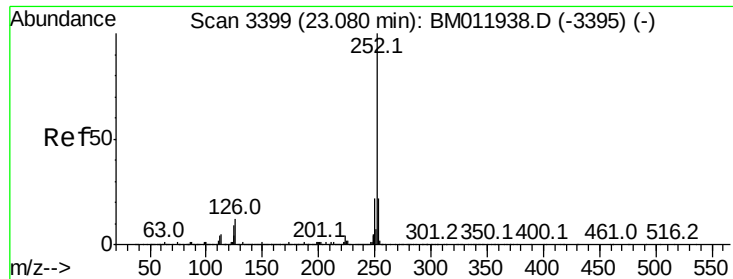
Abundance

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

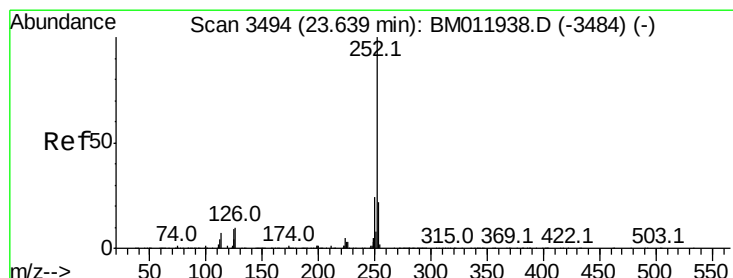
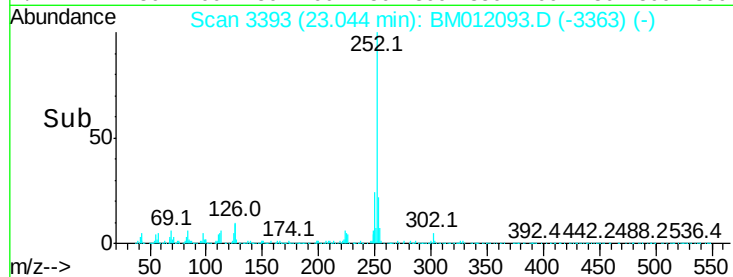
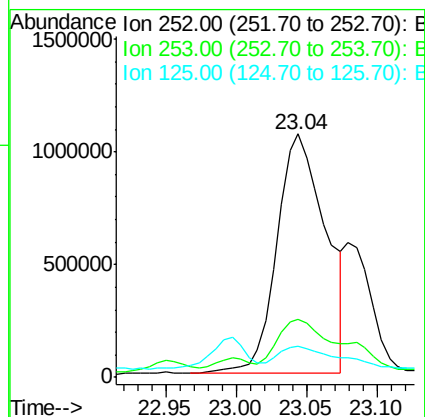
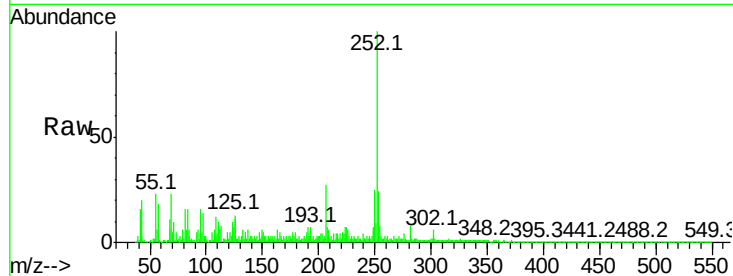




#86
Benzo(k)fluoranthene
Concen: 21.242 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BM012093.D
Acq: 12 Oct 2017 06:03

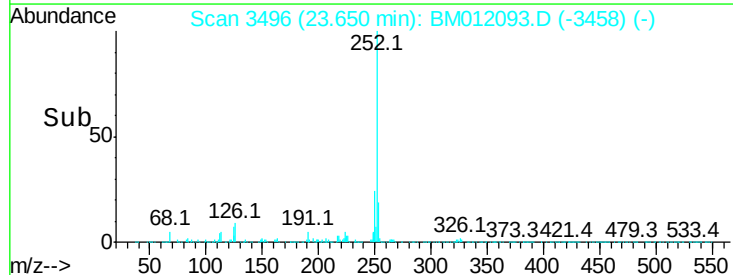
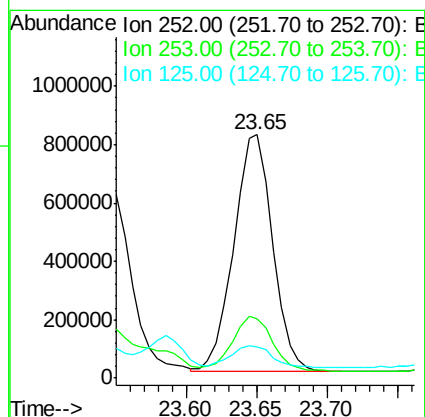
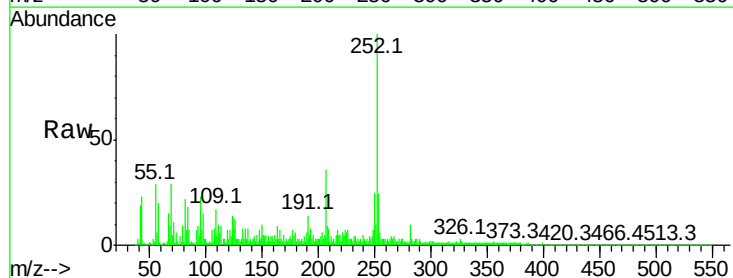
Instrument :
BNA_M
ClientSampleId :

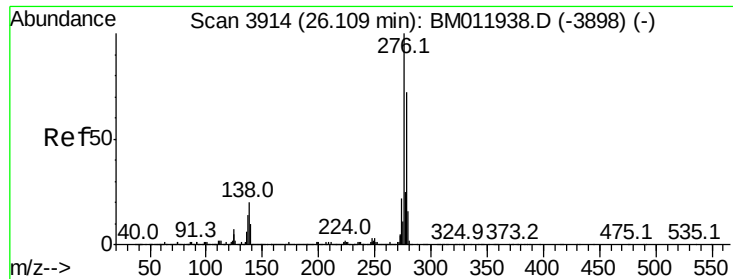
Tot Ion:252 Resp: 2554148
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 12.7 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 13.452 ng/ul
RT: 23.65 min Scan# 3496
Delta R.T. 0.02 min
Lab File: BM012093.D
Acq: 12 Oct 2017 06:03

Tgt Ion:252 Resp: 1556791
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 12.8 4.0 6.0#



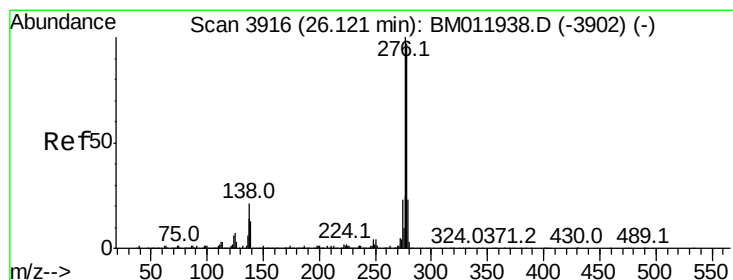
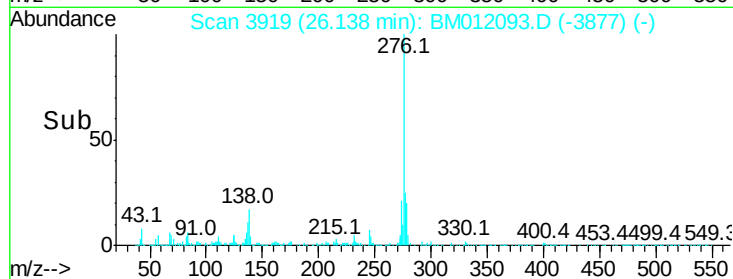
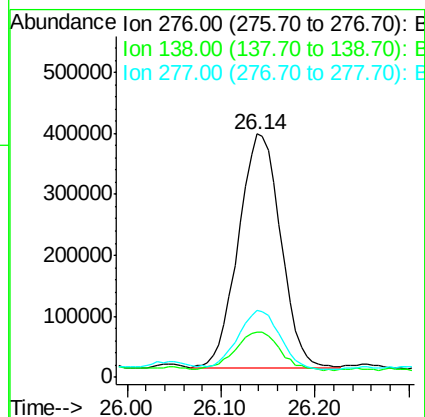
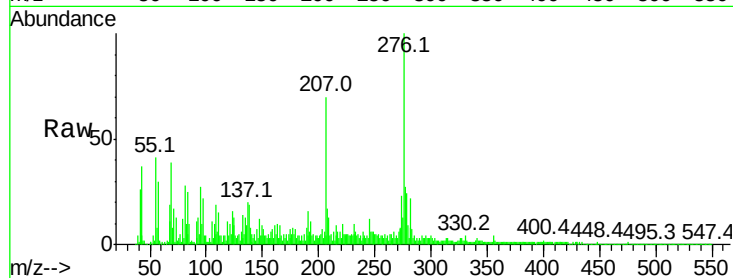


#89

Indeno(1,2,3-cd)pyrene
Concen: 9.706 ng/ul
RT: 26.14 min Scan# 3919
Delta R.T. 0.05 min
Lab File: BM012093.D
Acq: 12 Oct 2017 06:03

Instrument :
BNA_M
ClientSampleId :

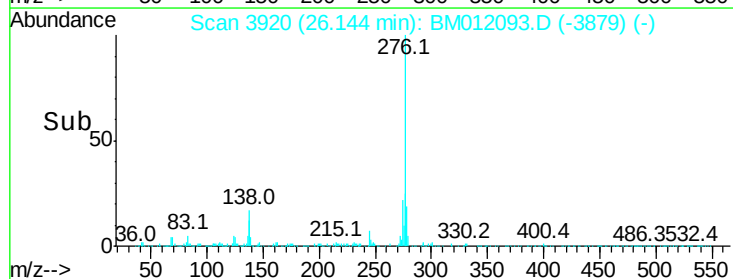
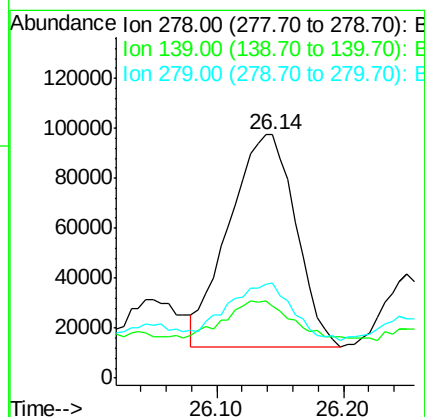
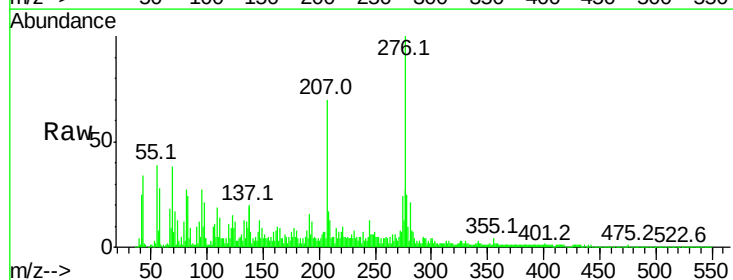
Tot Ion:276 Resp: 1201964
Ion Ratio Lower Upper
276 100
138 18.8 9.3 13.9#
277 27.3 19.9 29.9

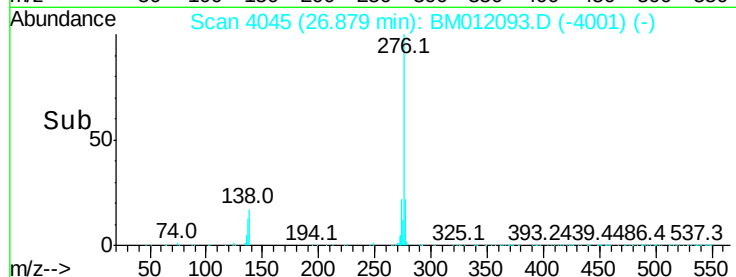
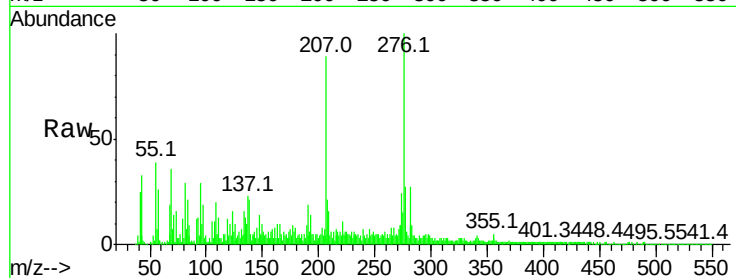
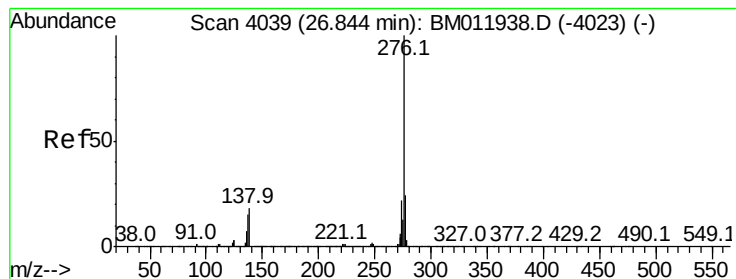


#90

Dibenzo(a,h)anthracene
Concen: 3.040 ng/ul
RT: 26.14 min Scan# 3920
Delta R.T. 0.04 min
Lab File: BM012093.D
Acq: 12 Oct 2017 06:03

Tgt Ion:278 Resp: 309369
Ion Ratio Lower Upper
278 100
139 29.5 5.8 8.8#
279 38.9 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 10.168 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. 0.06 min

Lab File: BM012093.D

Acq: 12 Oct 2017 06:03

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1041627

Ion Ratio Lower Upper

276 100

138 21.0 8.5 12.7#

277 26.8 18.6 28.0

