

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012059.D
 Acq On : 11 Oct 2017 01:26
 Operator : SJ/JU
 Sample : I5669-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 02:55:36 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 02:39:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	217737	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	949775	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	595486	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1454951	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1883588	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1867671	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	5971	1.30	ng/uL	0.00
5) Phenol-d5	7.00	99	130144	6.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	204957	18.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	107636	7.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	121704	7.52	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	133639	19.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.74	143	12820	1.68	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.27	165	64701	4.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	128	0.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	274238	5.31	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1218856	20.10	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.48	176	919866	20.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	563	0.06	ng/ul	0.02
70) Anthracene-d10	17.33	188	1459860	20.36	ng/ul	0.00
76) Pyrene-d10	19.62	212	1834222	21.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1829493	20.36	ng/ul	0.00

Target Compounds

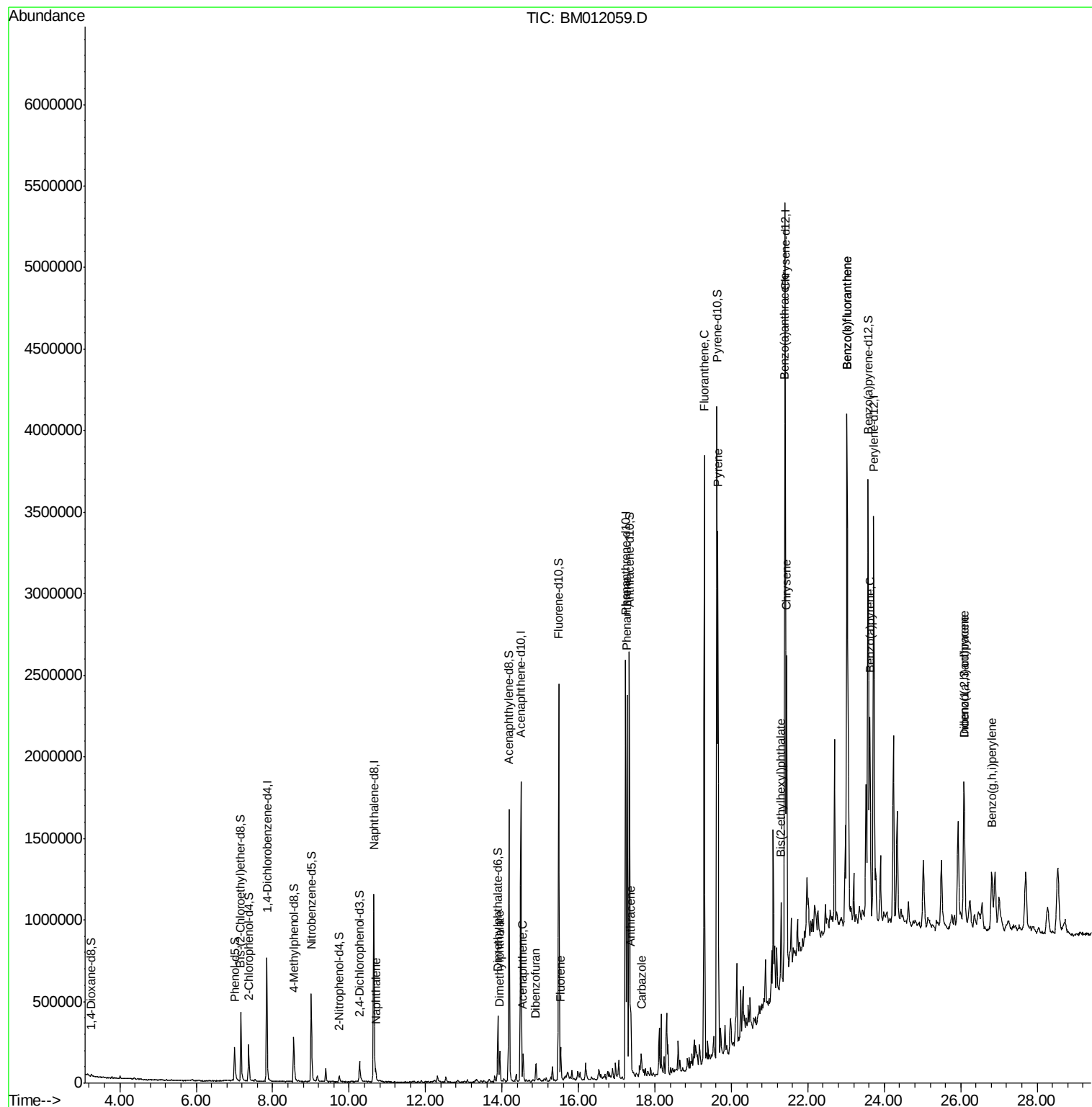
					Ovalue	
28) Naphthalene	10.69	128	54326	1.140	ng/ul	99
44) Dimethylphthalate	13.95	163	131231	2.643	ng/ul	98
49) Acenaphthene	14.55	153	67479	1.658	ng/ul	97
53) Dibenzofuran	14.89	168	65014	1.101	ng/ul	98
58) Fluorene	15.54	166	83862	1.700	ng/ul	97
69) Phenanthrene	17.27	178	1362415	17.023	ng/ul	99
71) Anthracene	17.37	178	309436	3.800	ng/ul	99
72) Carbazole	17.64	167	99216	1.407	ng/ul	97
74) Fluoranthene	19.29	202	2206490	22.596	ng/ul#	91
77) Pyrene	19.65	202	1867868	17.885	ng/ul#	88
80) Benzo(a)anthracene	21.39	228	1121134	10.390	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.30	149	155923	2.562	ng/ul#	96
82) Chrysene	21.44	228	1063431	10.372	ng/ul	99
85) Benzo(b)fluoranthene	23.03	252	1405381	12.380	ng/ul#	95
86) Benzo(k)fluoranthene	23.03	252	1405381	12.400	ng/ul#	95
88) Benzo(a)pyrene	23.62	252	922625	8.458	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.09	276	583347	4.997	ng/ul#	94
90) Dibenz(a,h)anthracene	26.09	278	148155	1.545	ng/ul#	89
91) Benzo(g,h,i)perylene	26.82	276	457010	4.733	ng/ul#	93

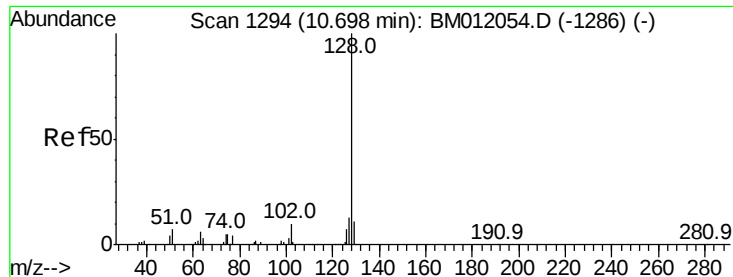
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 02:39:56 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.140 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

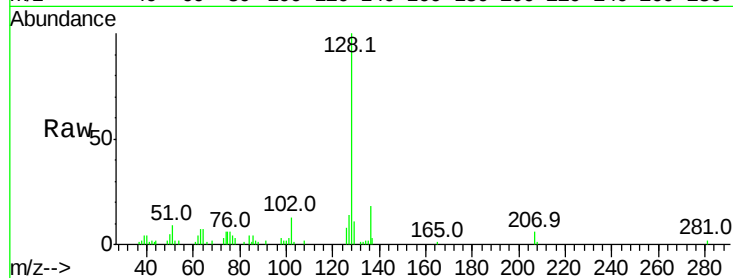
Instrument :

BNA_M

ClientSampleId :

Tot Ion:128 Resp: 54326

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.8	10.6	16.0

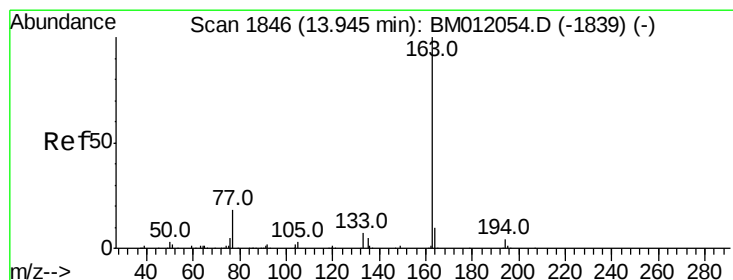
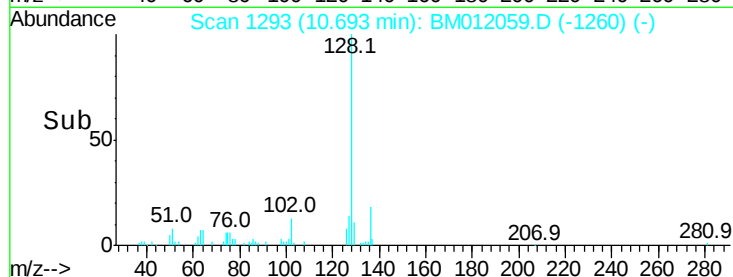
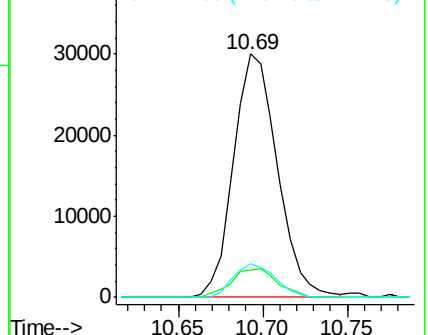


Abundance

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: 2.643 ng/ul

RT: 13.95 min Scan# 1846

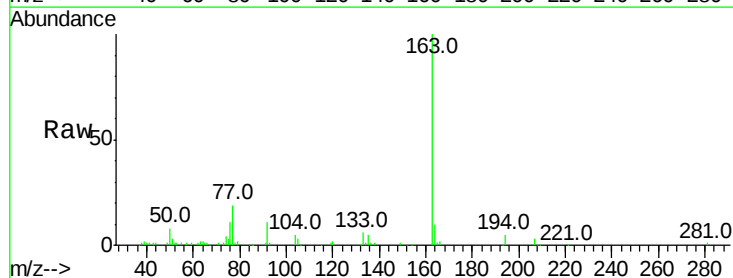
Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Tgt Ion:163 Resp: 131231

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	9.6	8.2	12.4

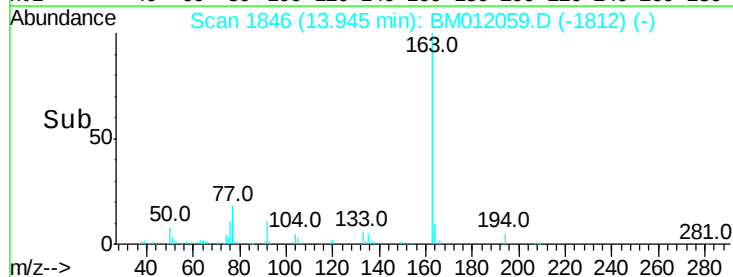
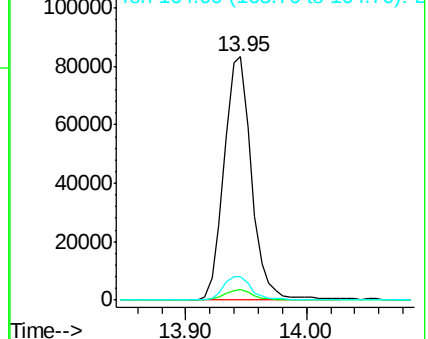


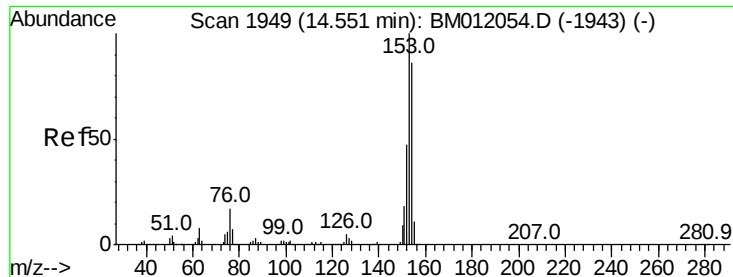
Abundance

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: 1.658 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

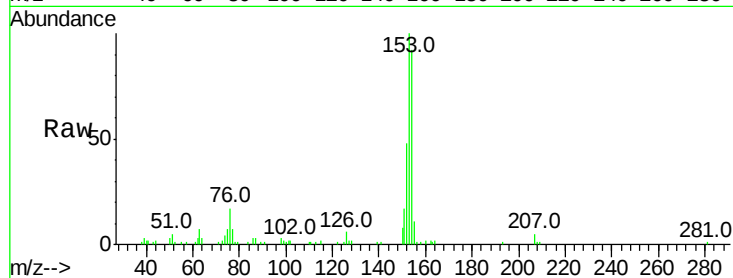
Instrument :

BNA_M

ClientSampleId :

Tot Ion:153 Resp: 67479

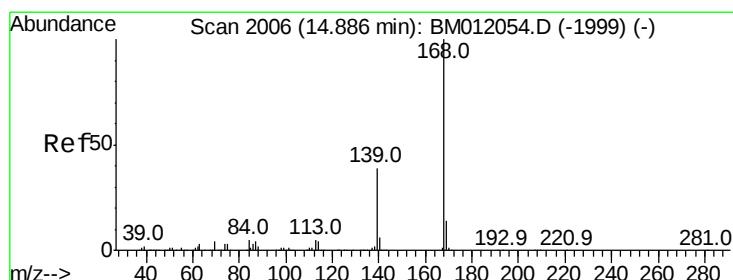
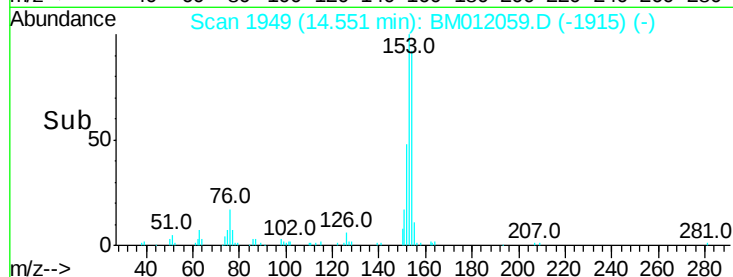
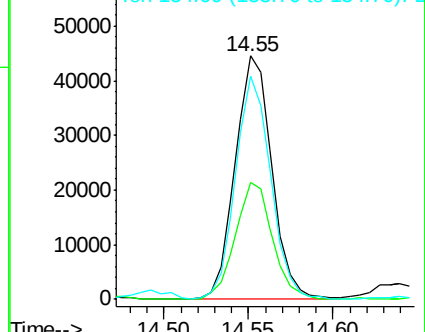
Ion	Ratio	Lower	Upper
153	100		
152	48.2	37.6	56.4
154	91.8	70.4	105.6



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: 1.101 ng/ul

RT: 14.89 min Scan# 2007

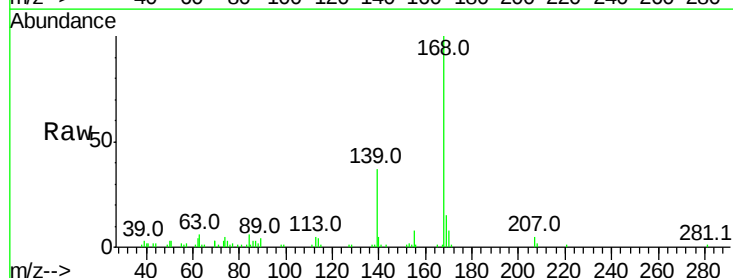
Delta R.T. 0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

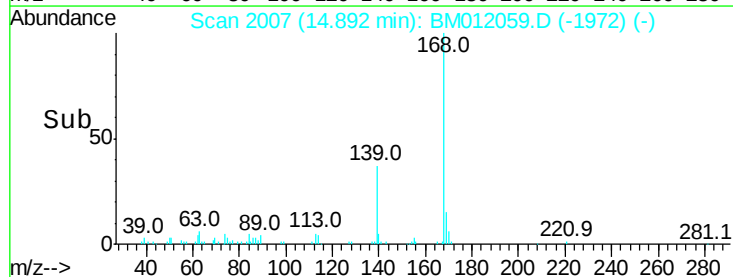
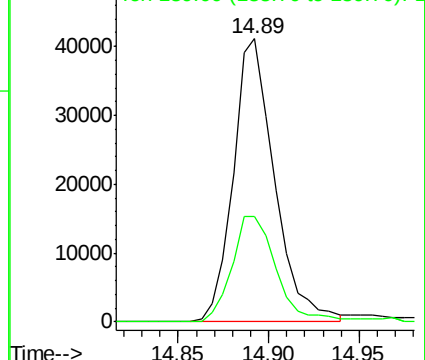
Tgt Ion:168 Resp: 65014

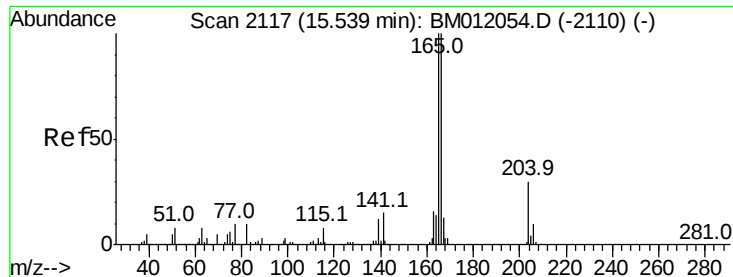
Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

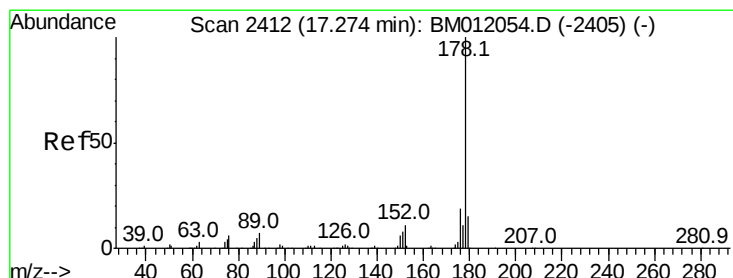
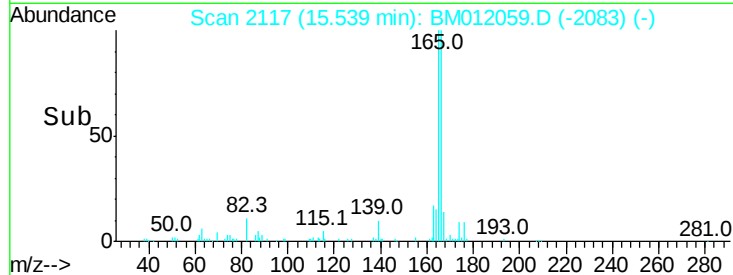
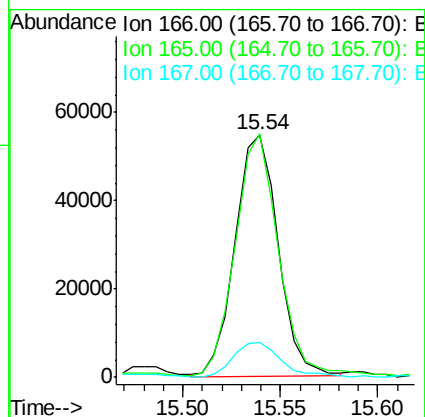
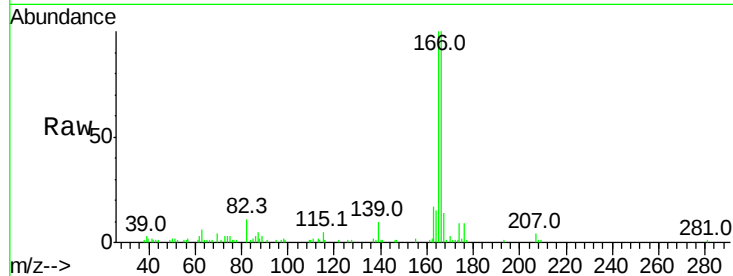




#58
 Fluorene
 Concen: 1.700 ng/ul
 RT: 15.54 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

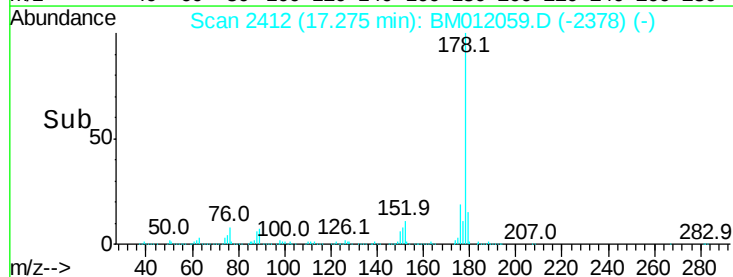
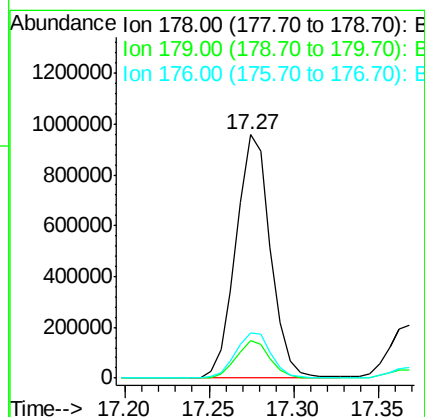
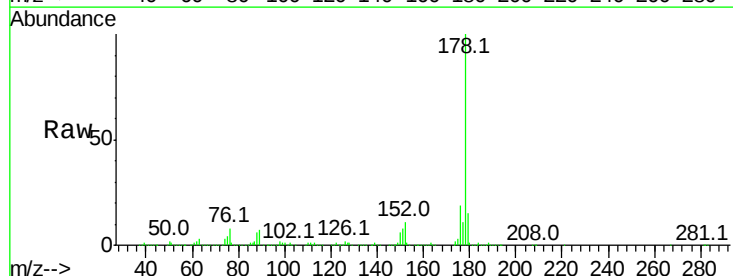
Instrument :
 BNA_M
 ClientSampleId :

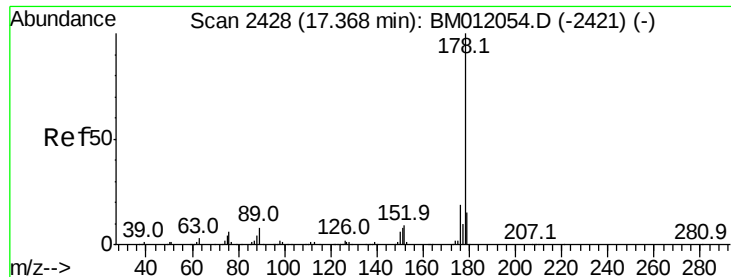
Tot Ion:166 Resp: 83862
 Ion Ratio Lower Upper
 166 100
 165 100.4 77.9 116.9
 167 14.5 10.6 16.0



#69
 Phenanthrene
 Concen: 17.023 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Tgt Ion:178 Resp: 1362415
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.6 19.0
 176 18.8 14.9 22.3



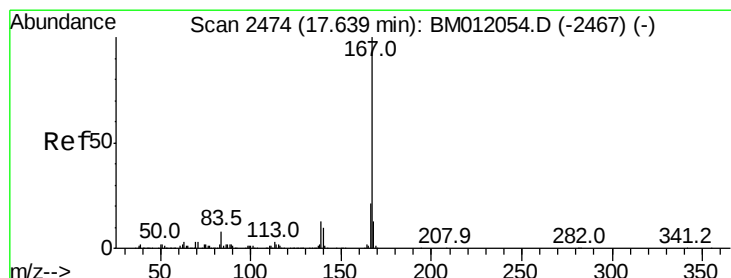
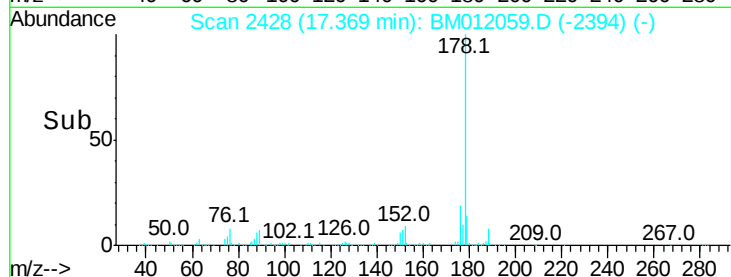
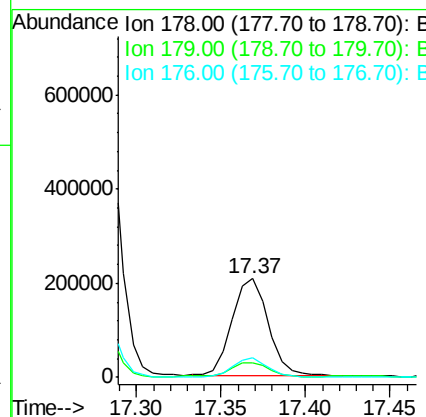
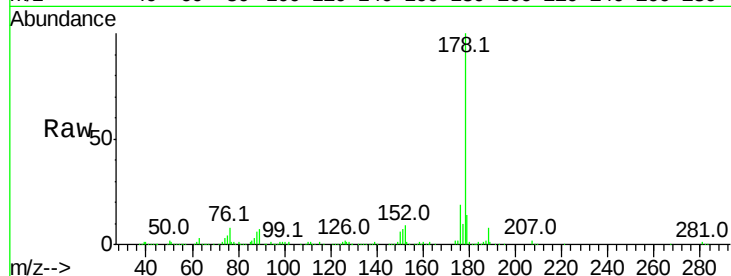


#71
 Anthracene
 Concen: 3.800 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 309436

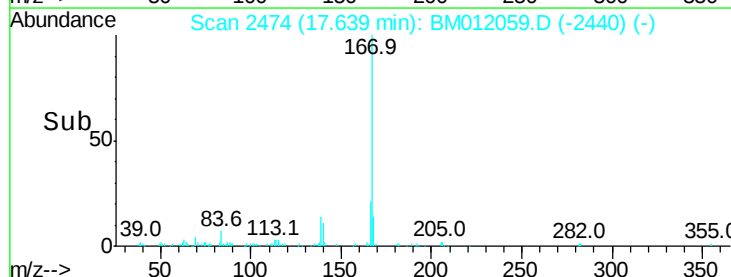
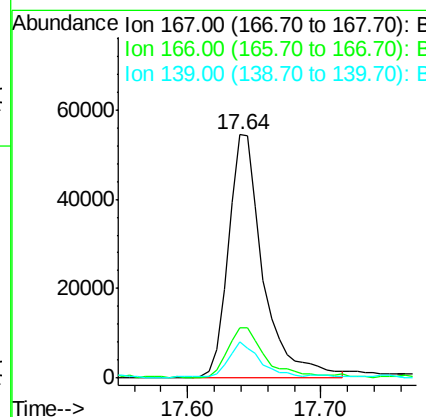
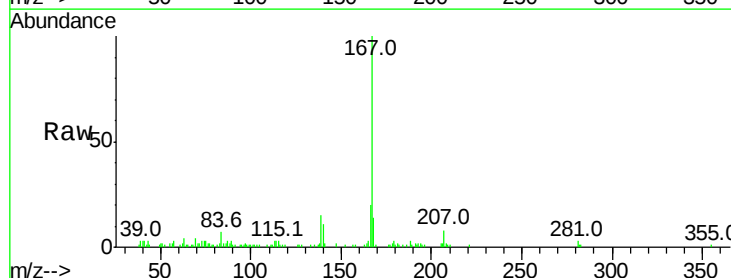
Ion	Ratio	Lower	Upper
178	100		
179	14.5	11.7	17.5
176	19.3	14.6	21.8

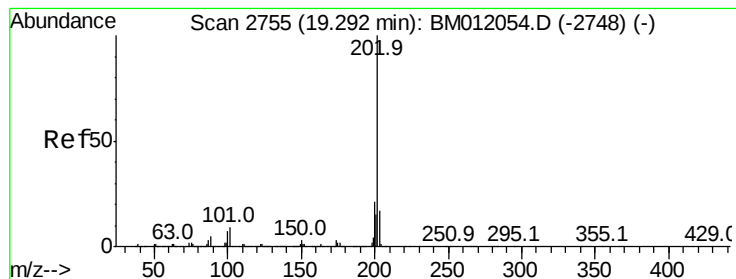


#72
 Carbazole
 Concen: 1.407 ng/ul
 RT: 17.64 min Scan# 2474
 Delta R.T. 0.00 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Tgt Ion:167 Resp: 99216

Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.1	25.7
139	14.7	10.0	15.0





#74

Fluoranthene

Concen: 22.596 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Instrument :

BNA_M

ClientSampleId :

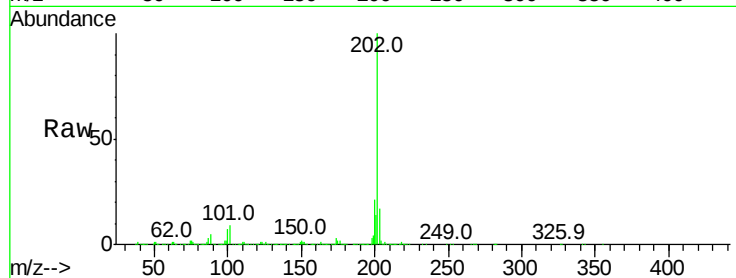
Tot Ion:202 Resp: 2206490

Ion Ratio Lower Upper

202 100

101 8.9 4.6 7.0#

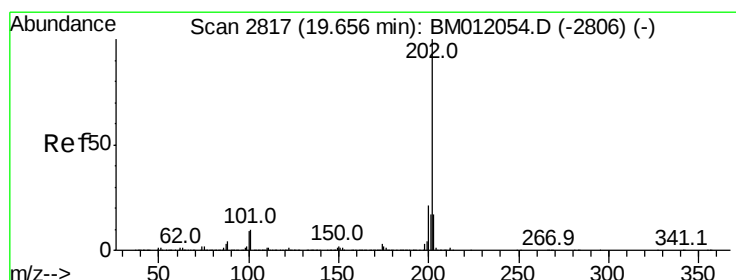
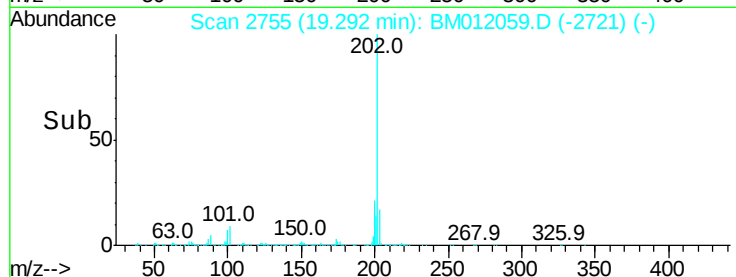
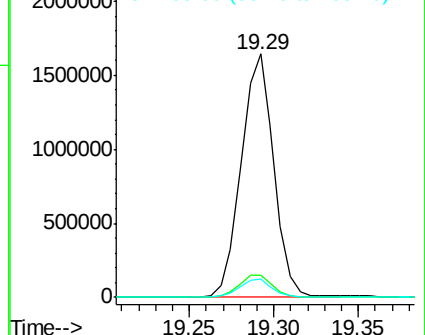
100 7.3 3.4 5.2#



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: 17.885 ng/ul

RT: 19.65 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

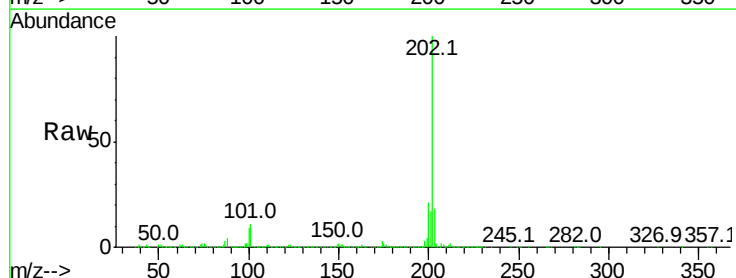
Tgt Ion:202 Resp: 1867868

Ion Ratio Lower Upper

202 100

101 11.2 5.1 7.7#

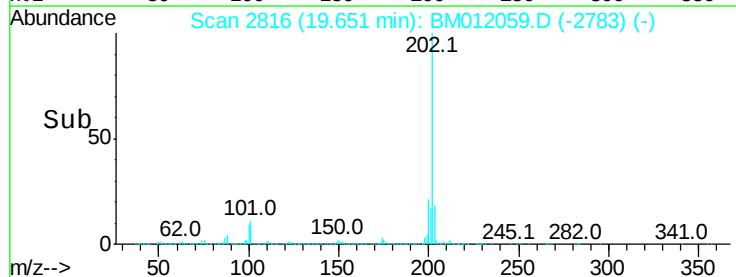
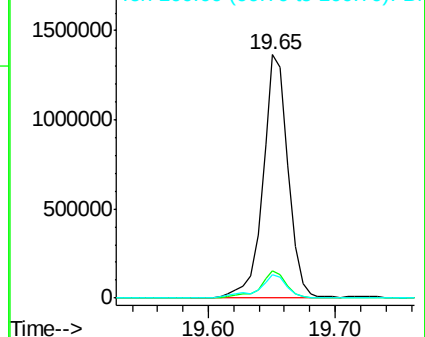
100 9.5 4.9 7.3#

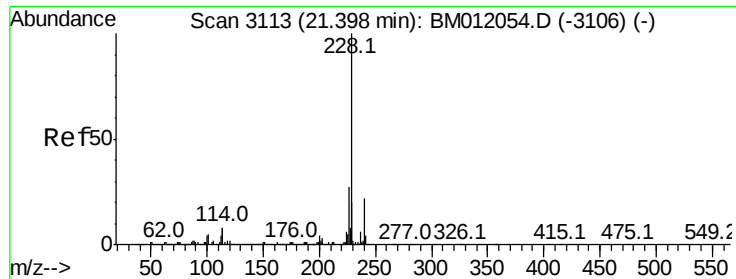


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 10.390 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

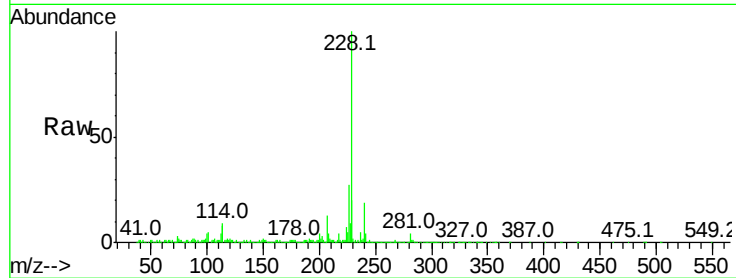
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1121134

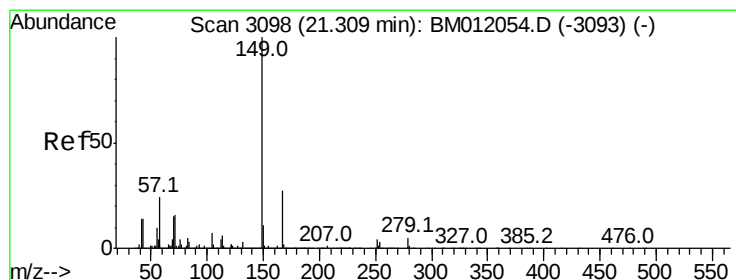
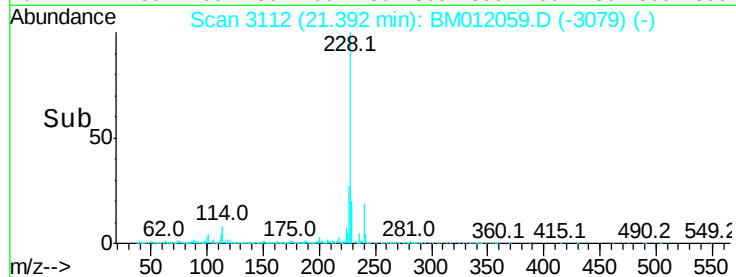
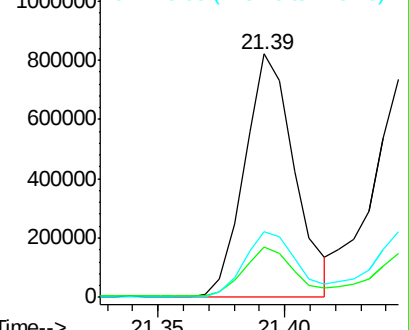
Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.0
226	27.1	21.4	32.0



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: 2.562 ng/ul

RT: 21.30 min Scan# 3097

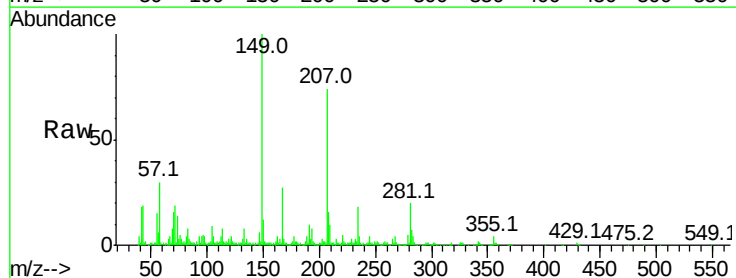
Delta R.T. -0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Tgt Ion:149 Resp: 155923

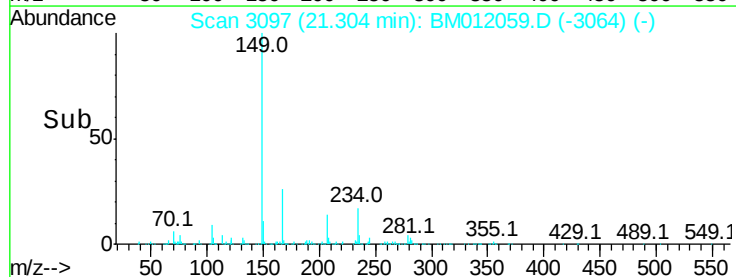
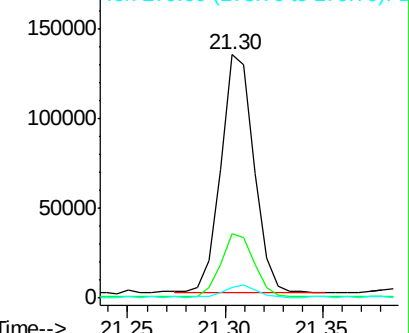
Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.8	34.2
279	4.6	4.9	7.3#

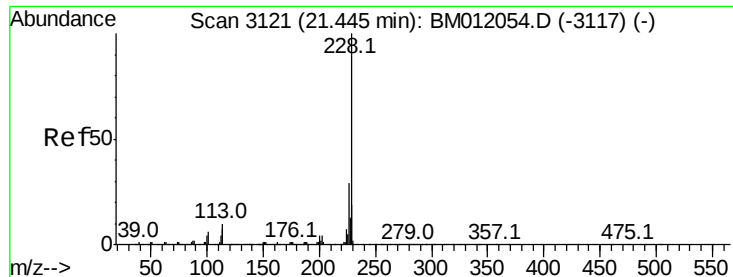


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 10.372 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Instrument :

BNA_M

ClientSampleId :

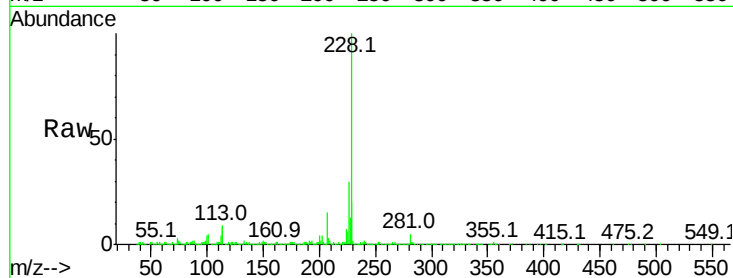
Tot Ion:228 Resp: 1063431

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

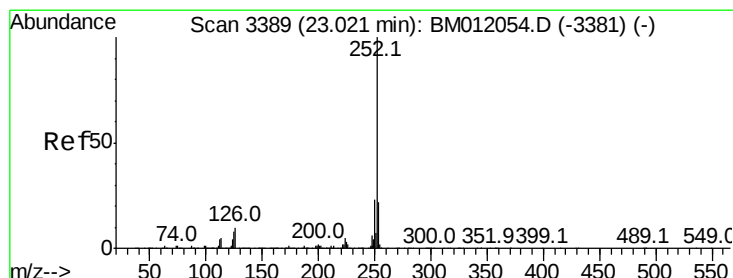
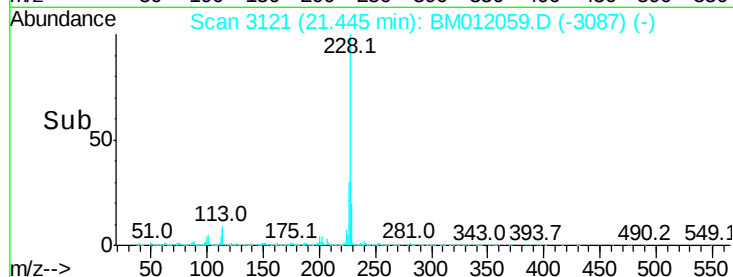
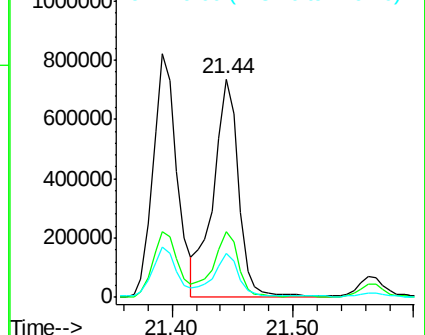
229 20.2 15.5 23.3



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: 12.380 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

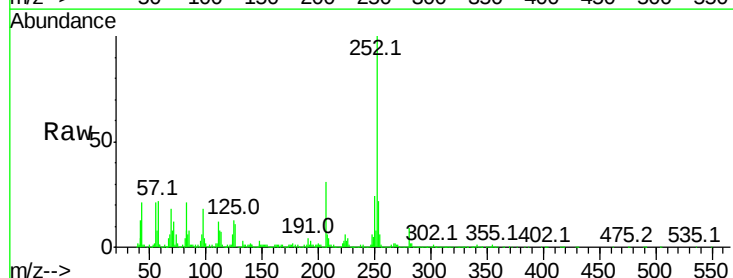
Tgt Ion:252 Resp: 1405381

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

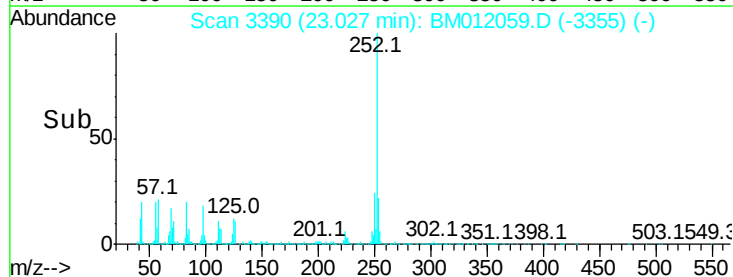
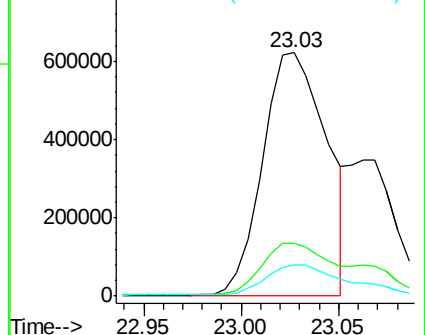
125 12.6 3.6 5.4#

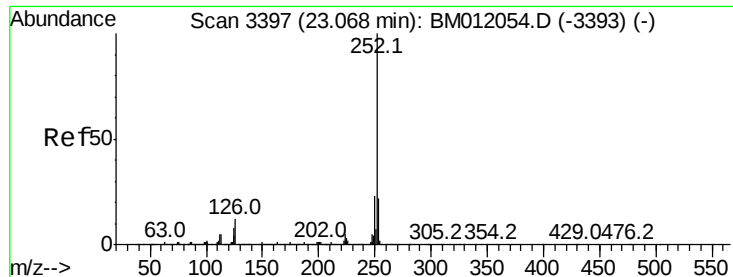


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 12.400 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.04 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Instrument :

BNA_M

ClientSampleId :

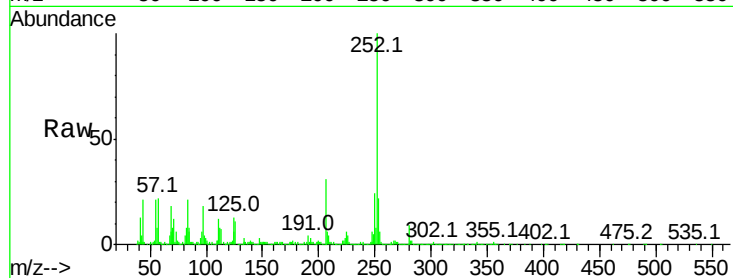
Tot Ion:252 Resp: 1405381

Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

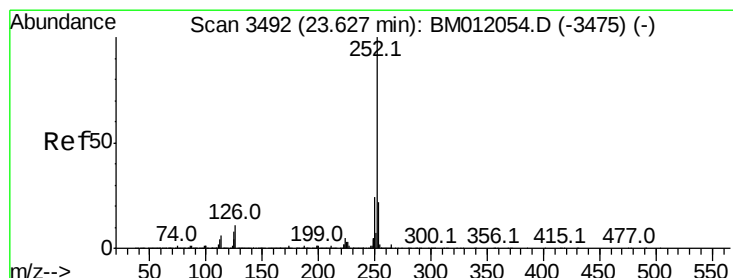
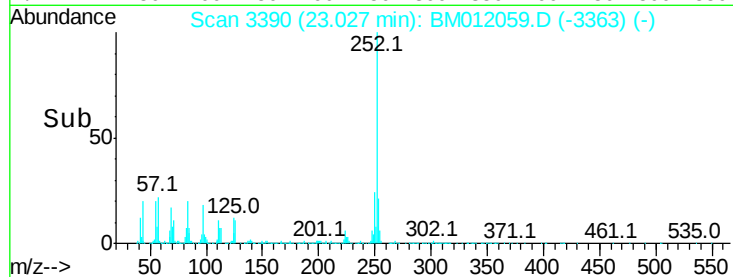
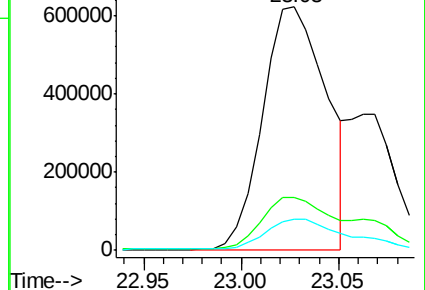
125 12.6 3.4 5.2#



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: 8.458 ng/ul

RT: 23.62 min Scan# 3491

Delta R.T. -0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

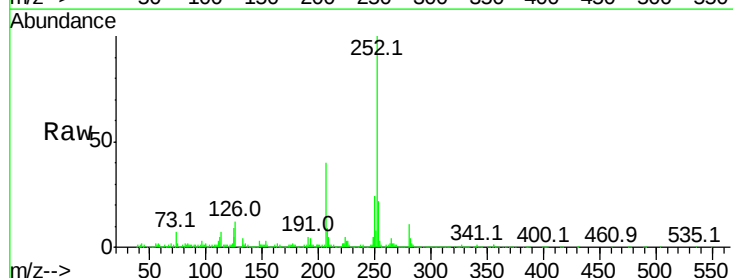
Tgt Ion:252 Resp: 922625

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

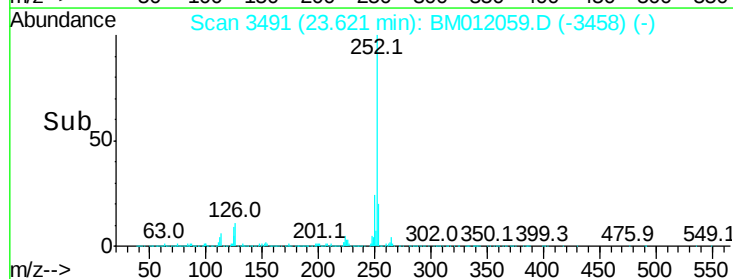
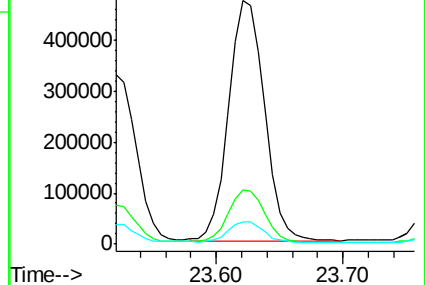
125 9.3 4.0 6.0#

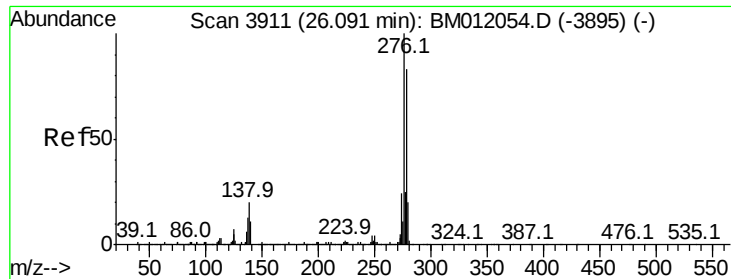


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



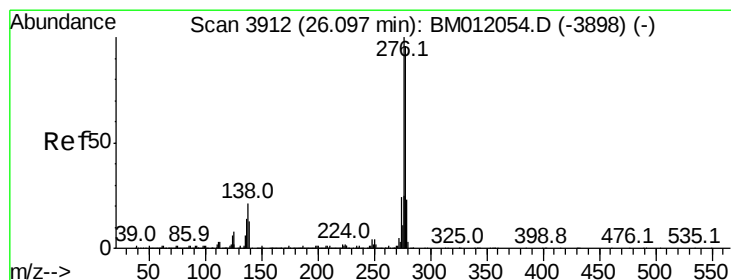
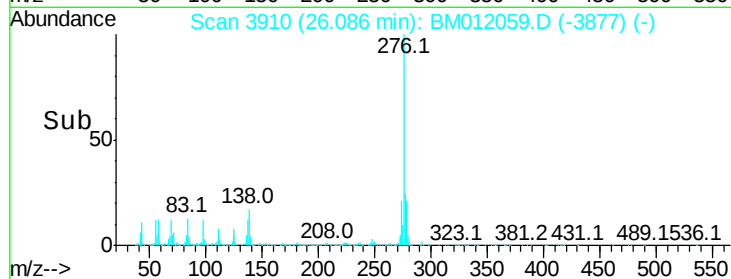
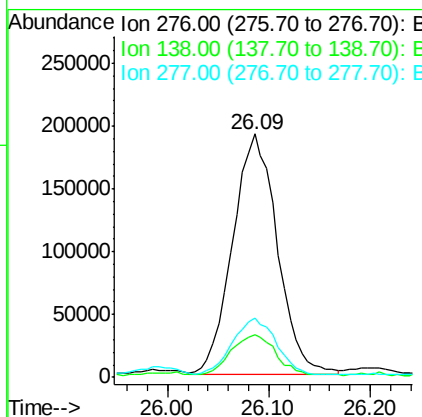
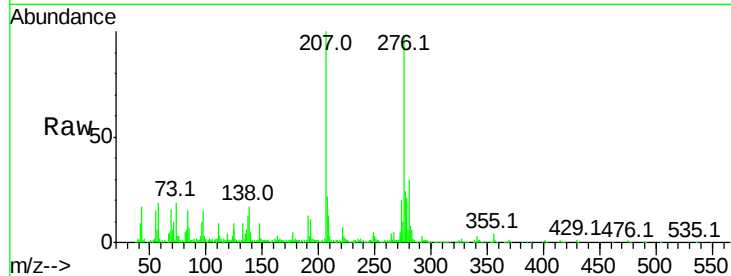


#89

Indeno(1,2,3-cd)pyrene
Concen: 4.997 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Instrument :
BNA_M
ClientSampleId :

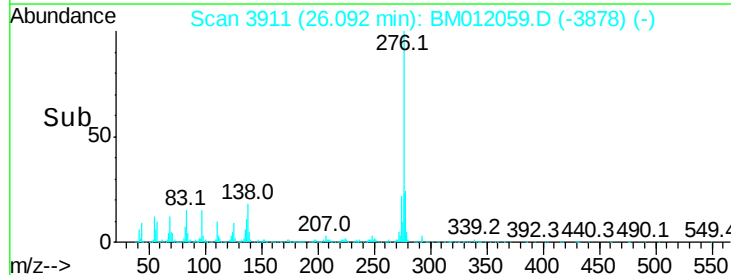
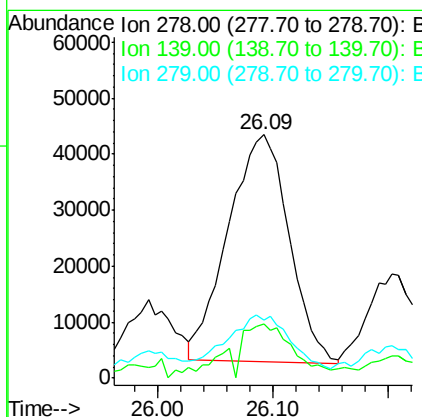
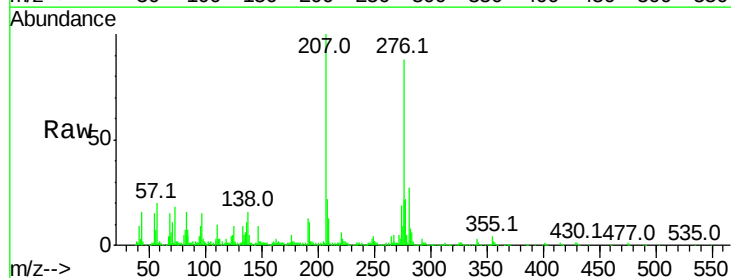
Tot Ion:276 Resp: 583347
Ion Ratio Lower Upper
276 100
138 17.7 9.3 13.9#
277 24.5 19.9 29.9

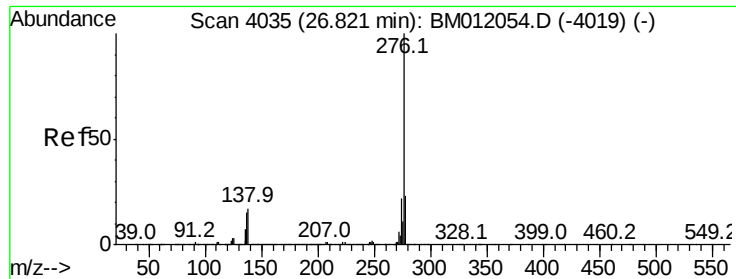


#90

Dibenzo(a,h)anthracene
Concen: 1.545 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Tgt Ion:278 Resp: 148155
Ion Ratio Lower Upper
278 100
139 22.3 5.8 8.8#
279 23.9 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 4.733 ng/ul

RT: 26.82 min Scan# 4034

Delta R.T. -0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Instrument :

BNA_M

ClientSampleId :

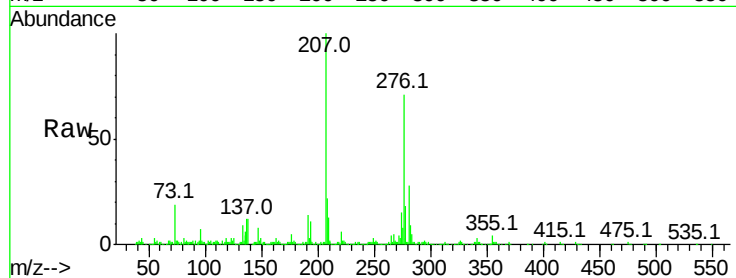
Tot Ion:276 Resp: 457010

Ion Ratio Lower Upper

276 100

138 16.4 8.5 12.7#

277 24.8 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

