

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012057.D
 Acq On : 11 Oct 2017 00:13
 Operator : SJ/JU
 Sample : I5669-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 02:55:01 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	221326	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	991849	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	606417	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1460712	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1890107	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1912115	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	8698	1.86	ng/uL	0.00
5) Phenol-d5	7.00	99	153552	8.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	168713	14.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	174495	11.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	137798	8.37	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	107243	15.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	61829	7.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	137158	8.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	17161	0.98	ng/ul	0.02
43) Dimethylphthalate-d6	13.89	166	587479	11.18	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	1013354	16.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.82	143	406	0.04	ng/ul	0.12
57) Fluorene-d10	15.48	176	751183	16.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	9708	0.99	ng/ul	0.00
70) Anthracene-d10	17.33	188	1178456	16.37	ng/ul	0.00
76) Pyrene-d10	19.63	212	1520138	17.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1555321	16.91	ng/ul	0.00

Target Compounds

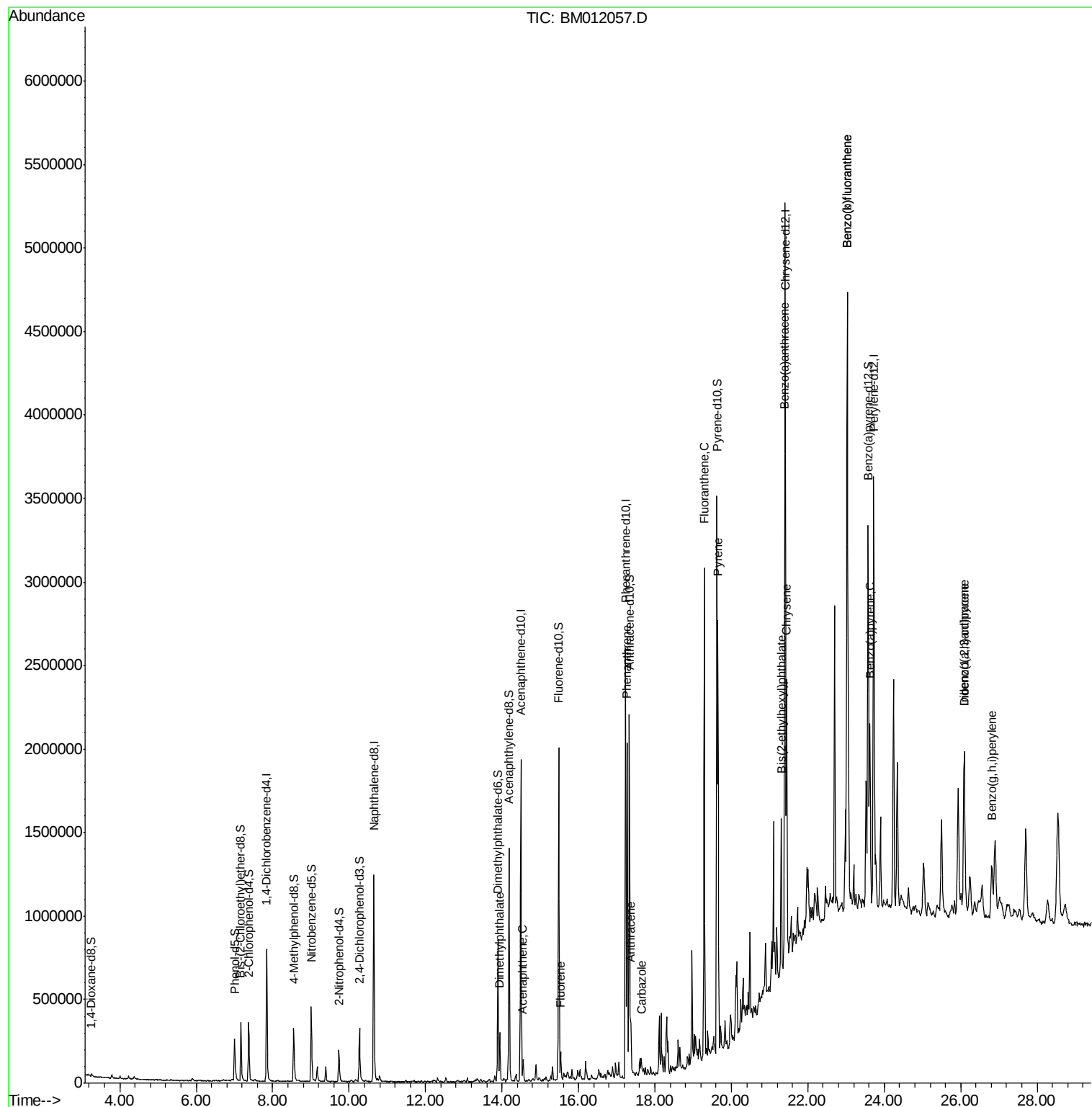
					Ovalue	
44) Dimethylphthalate	13.94	163	189884	3.755	ng/ul	98
49) Acenaphthene	14.55	153	51473	1.242	ng/ul	95
58) Fluorene	15.54	166	62089	1.236	ng/ul	96
69) Phenanthrene	17.27	178	1138820	14.173	ng/ul	99
71) Anthracene	17.37	178	238837	2.921	ng/ul	99
72) Carbazole	17.64	167	72002	1.017	ng/ul	98
74) Fluoranthene	19.29	202	1742453	17.774	ng/ul#	91
77) Pyrene	19.66	202	1531176	14.610	ng/ul#	91
80) Benzo(a)anthracene	21.39	228	935040	8.635	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.31	149	302092	4.946	ng/ul#	97
82) Chrysene	21.44	228	908693	8.832	ng/ul	99
85) Benzo(b)fluoranthene	23.03	252	1264936	10.884	ng/ul#	93
86) Benzo(k)fluoranthene	23.03	252	1264936	10.901	ng/ul#	93
88) Benzo(a)pyrene	23.62	252	782167	7.004	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.09	276	506291	4.236	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.09	278	137079	1.396	ng/ul#	88
91) Benzo(g,h,i)perylene	26.81	276	438230	4.433	ng/ul#	93

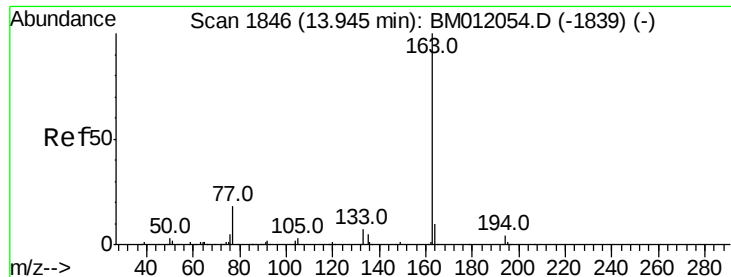
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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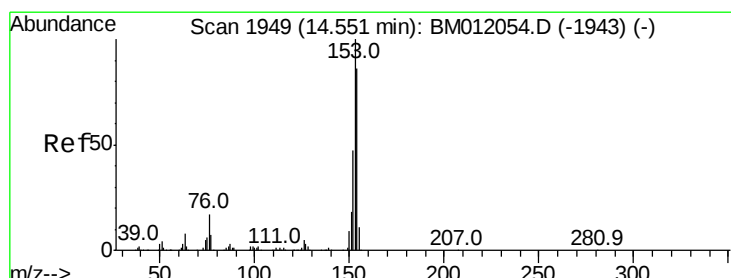
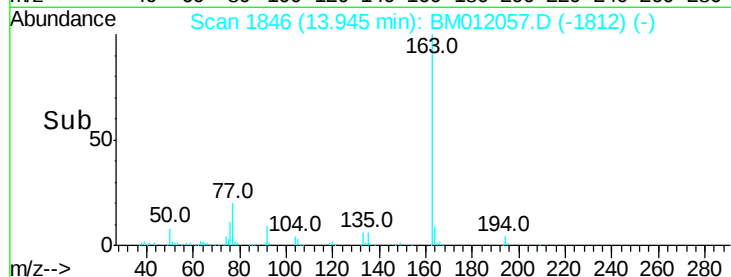
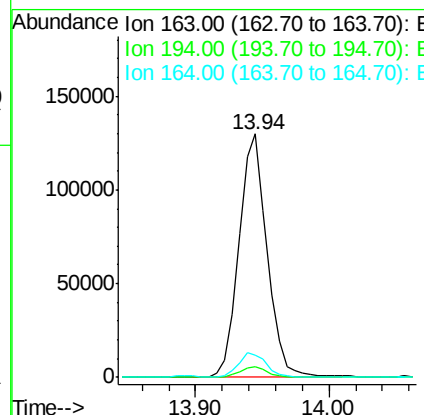
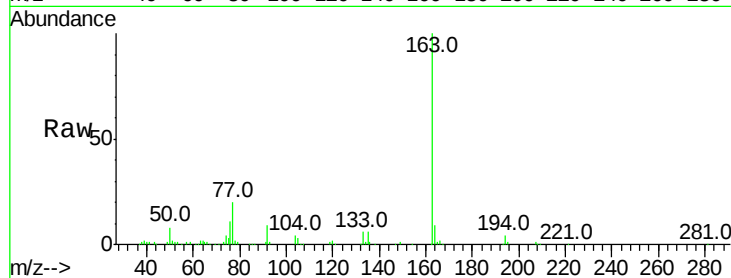




#44
Dimethylphthalate
Concen: 3.755 ng/ul
RT: 13.94 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BM012057.D
Acq: 11 Oct 2017 00:13

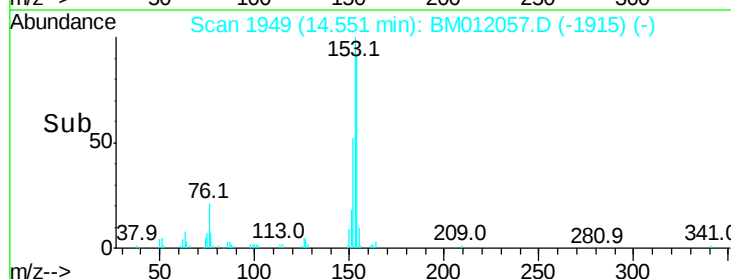
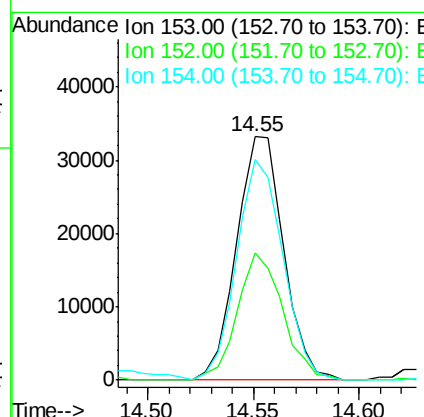
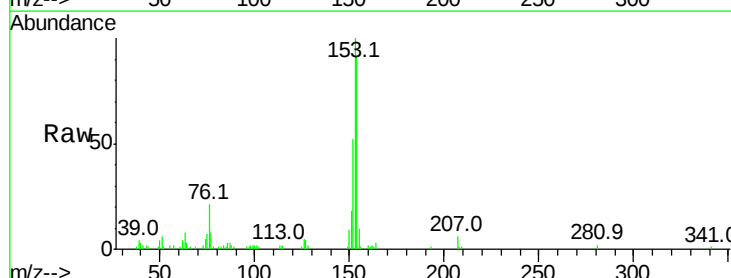
Instrument :
BNA_M
ClientSampleId :

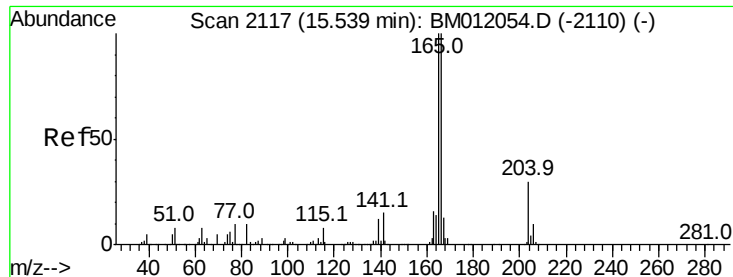
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.0	8.2	12.4



#49
Acenaphthene
Concen: 1.242 ng/ul
RT: 14.55 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BM012057.D
Acq: 11 Oct 2017 00:13

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.4	37.6	56.4
154	90.6	70.4	105.6





#58

Fluorene

Concen: 1.236 ng/ul

RT: 15.54 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

Instrument :

BNA_M

ClientSampleId :

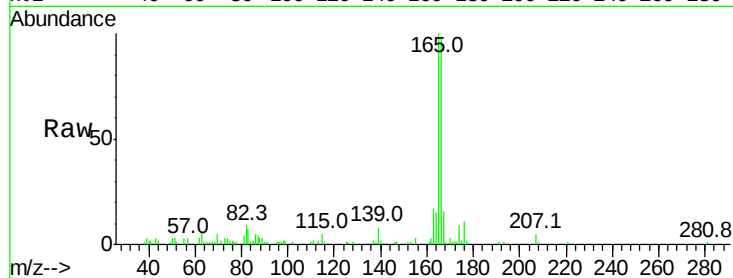
Tot Ion:166 Resp: 62089

Ion Ratio Lower Upper

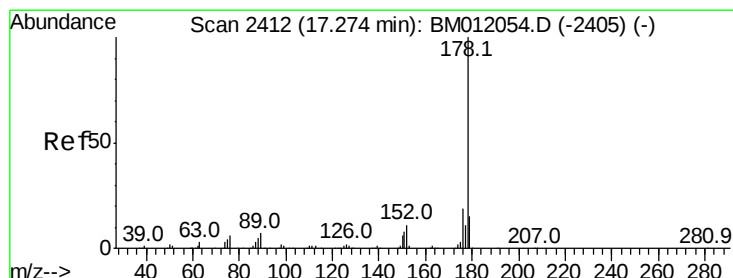
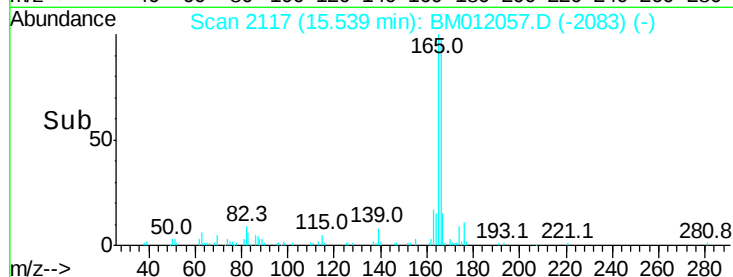
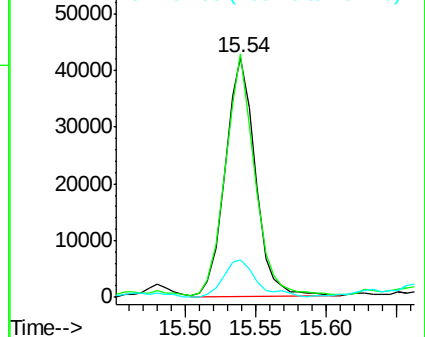
166 100

165 101.6 77.9 116.9

167 15.8 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: 14.173 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

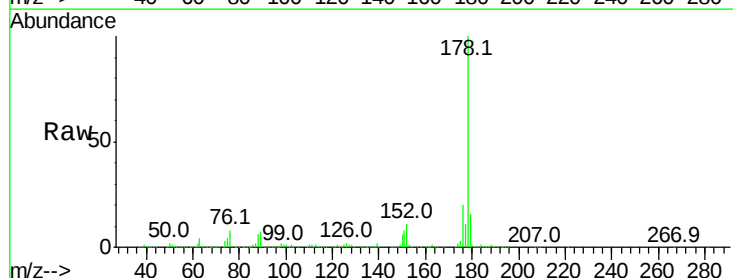
Tgt Ion:178 Resp: 1138820

Ion Ratio Lower Upper

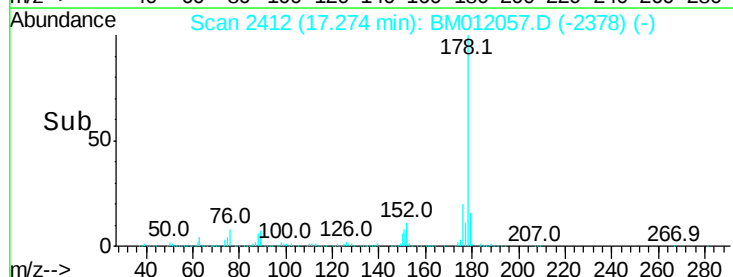
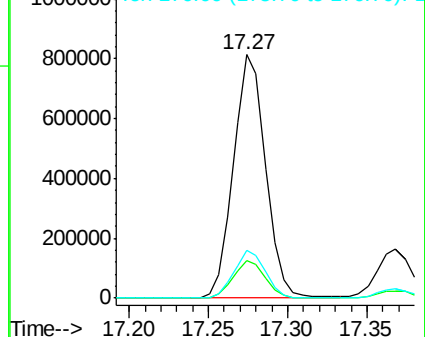
178 100

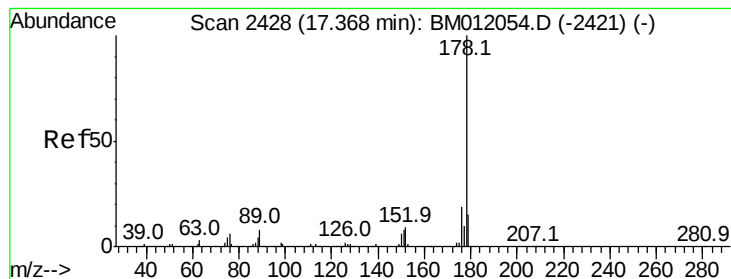
179 15.6 12.6 19.0

176 19.6 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: 2.921 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

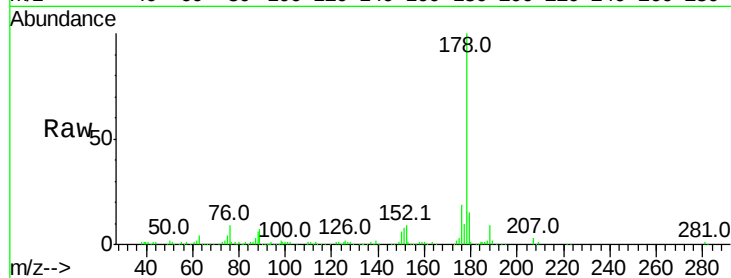
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 238837

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	18.5	14.6	21.8

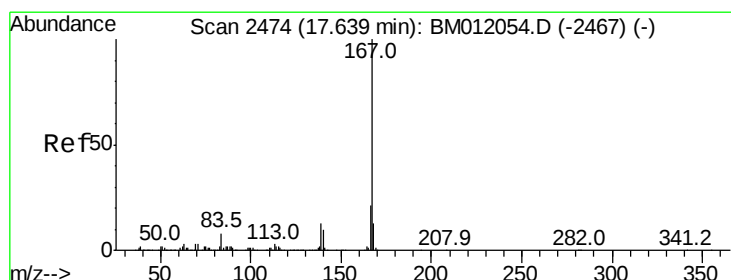
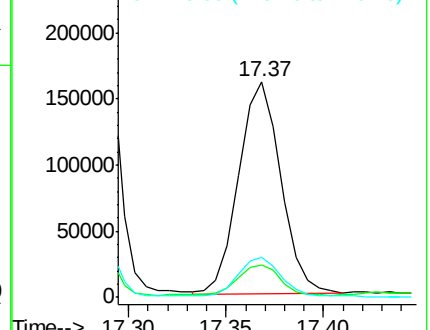
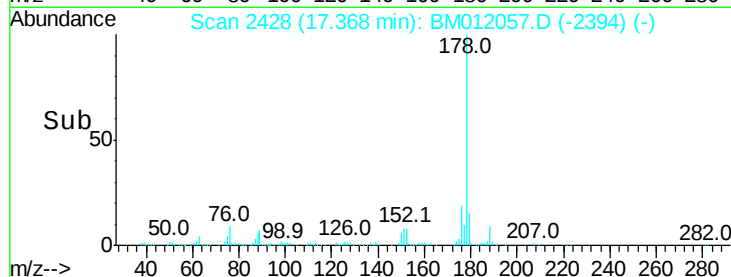


Abundance

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

Carbazole

Concen: 1.017 ng/ul

RT: 17.64 min Scan# 2475

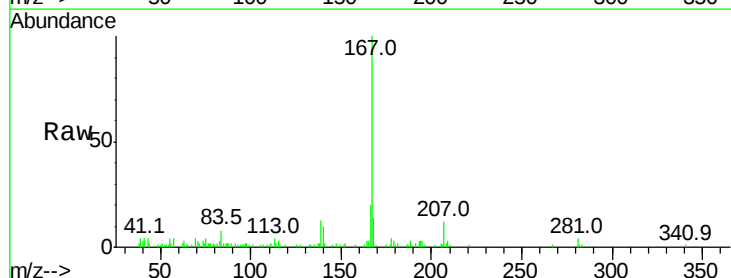
Delta R.T. 0.01 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

Tgt Ion:167 Resp: 72002

Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.1	25.7
139	12.9	10.0	15.0

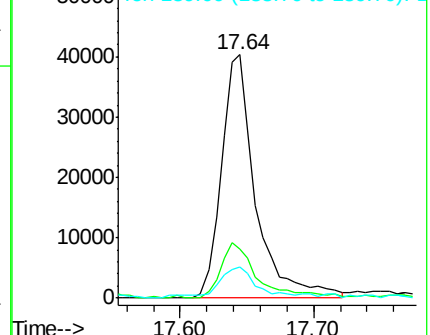
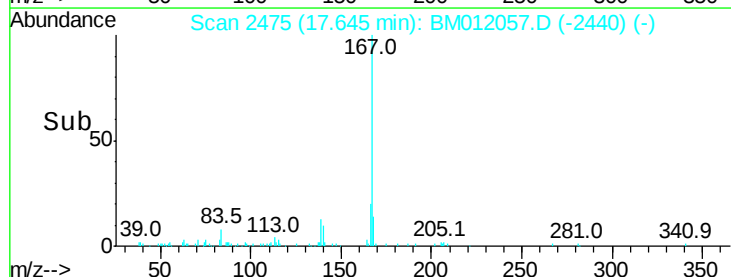


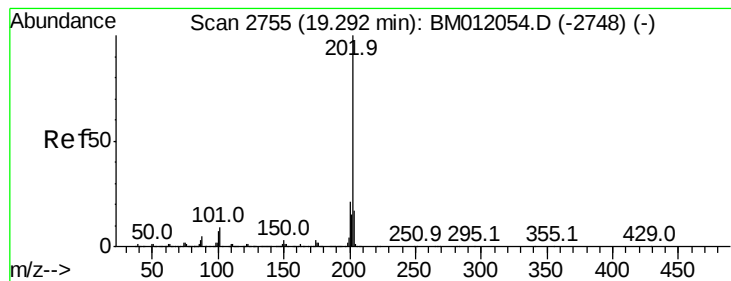
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 17.774 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

Instrument :

BNA_M

ClientSampleId :

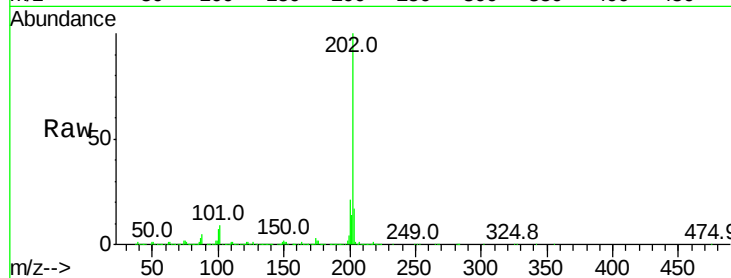
Tot Ion:202 Resp: 1742453

Ion Ratio Lower Upper

202 100

101 9.2 4.6 7.0#

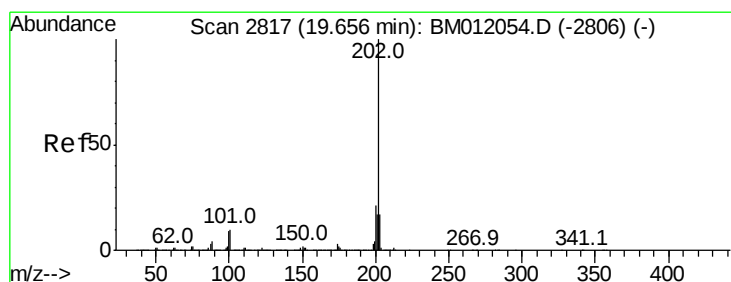
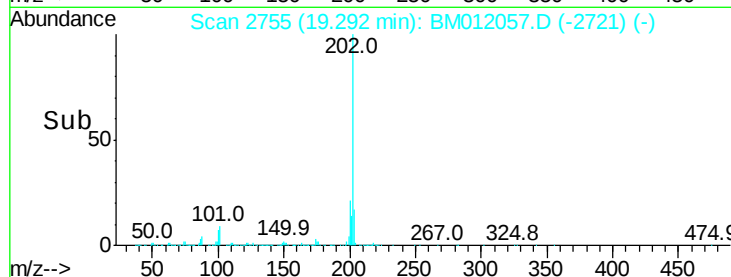
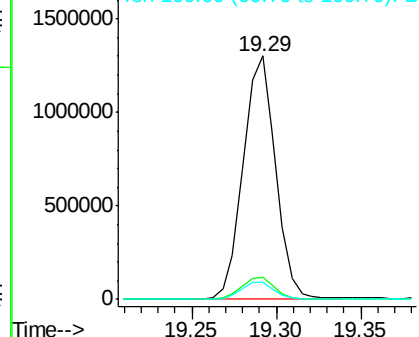
100 6.9 3.4 5.2#



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: 14.610 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

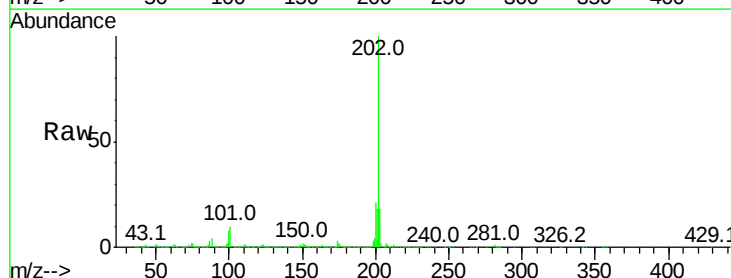
Tgt Ion:202 Resp: 1531176

Ion Ratio Lower Upper

202 100

101 10.2 5.1 7.7#

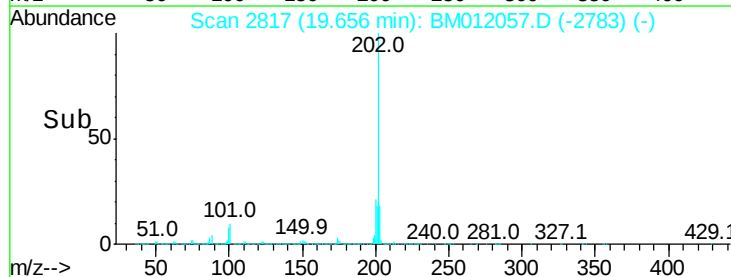
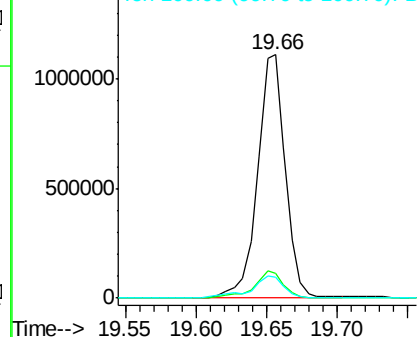
100 8.4 4.9 7.3#

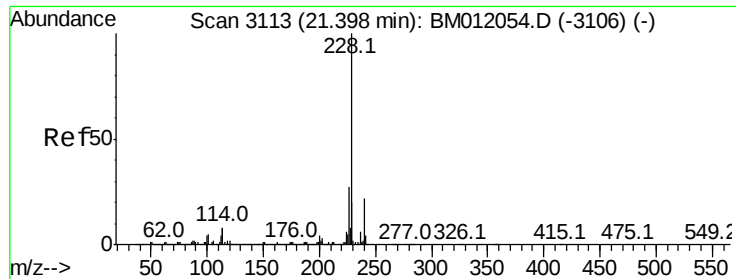


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 8.635 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

Instrument :

BNA_M

ClientSampled :

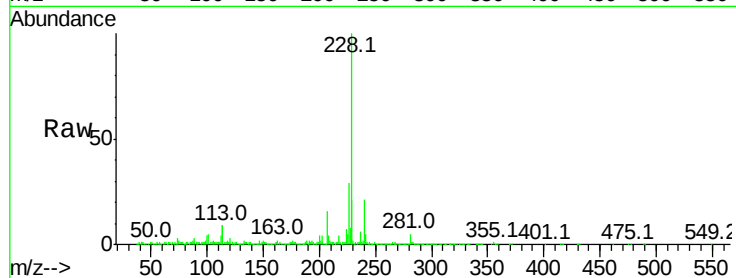
Tot Ion:228 Resp: 935040

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	28.5	21.4	32.0

228 100

229 21.0 15.4 23.0

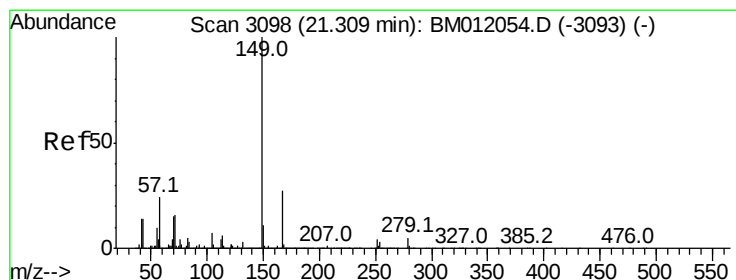
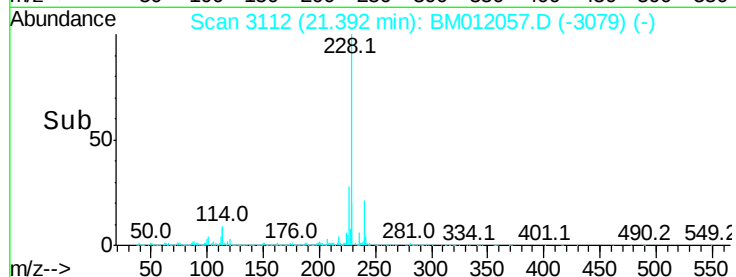
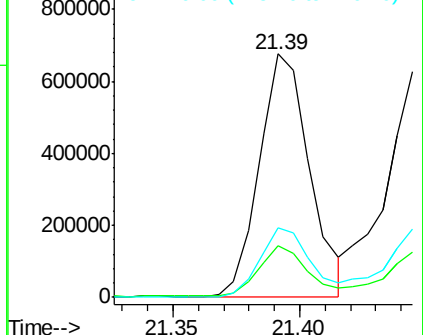
226 28.5 21.4 32.0



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: 4.946 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

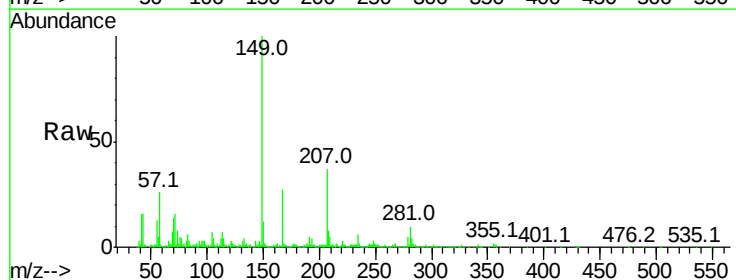
Tgt Ion:149 Resp: 302092

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.8	34.2
279	4.8	4.9	7.3#

149 100

167 27.1 22.8 34.2

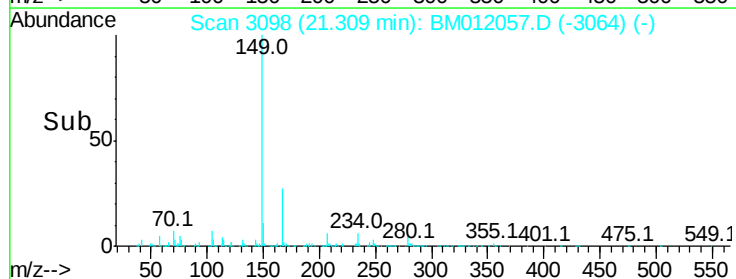
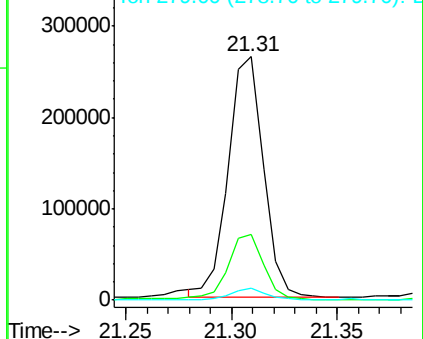
279 4.8 4.9 7.3#

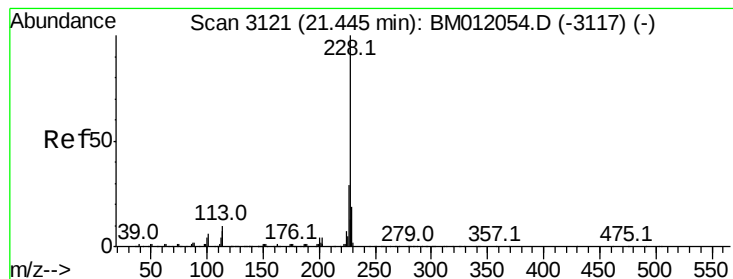


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 8.832 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. -0.00 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

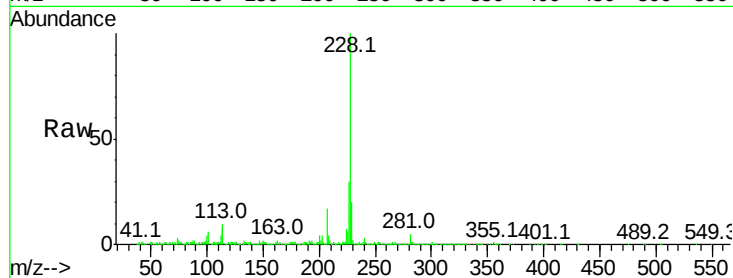
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 908693

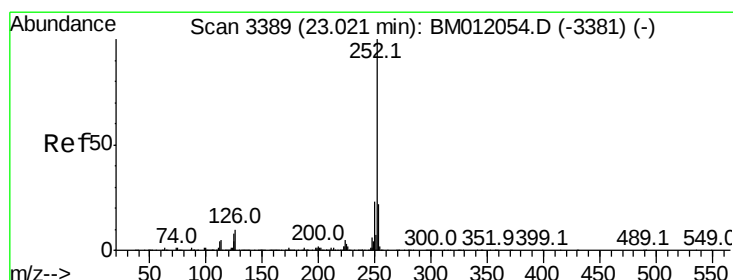
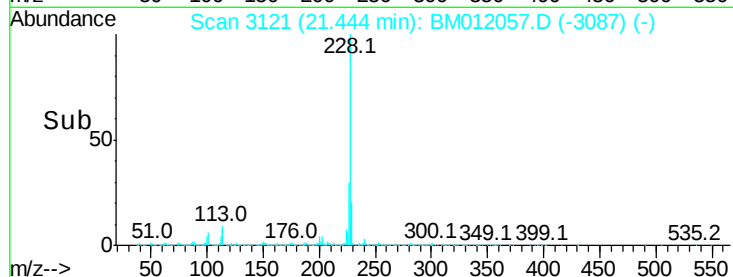
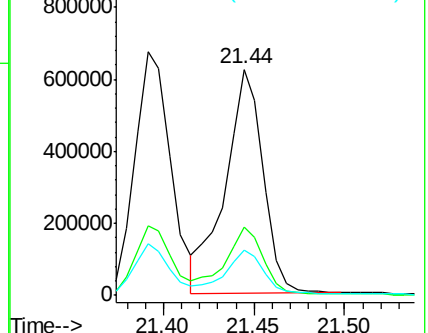
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	19.8	15.5	23.3



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: 10.884 ng/ul

RT: 23.03 min Scan# 3390

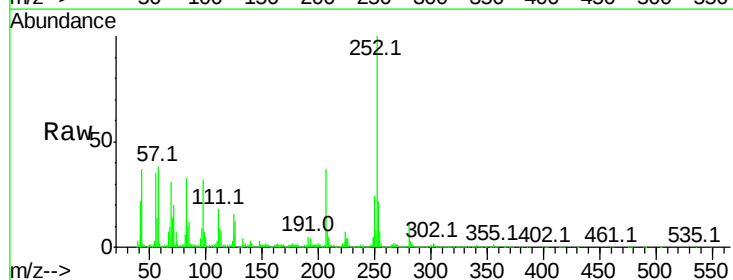
Delta R.T. 0.01 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

Tgt Ion:252 Resp: 1264936

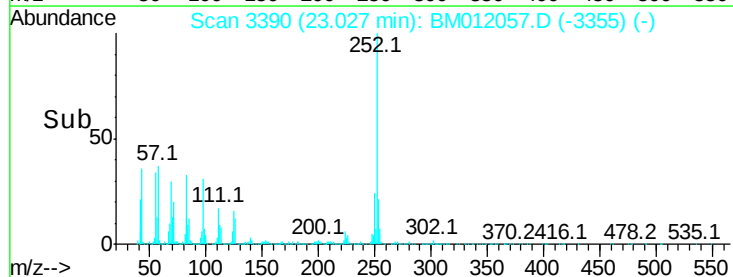
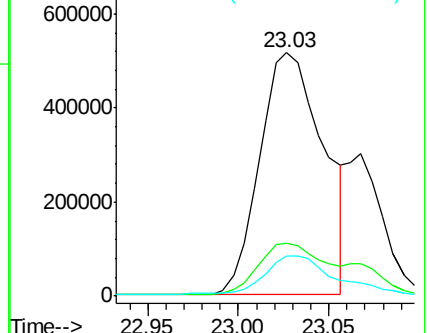
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	16.3	3.6	5.4

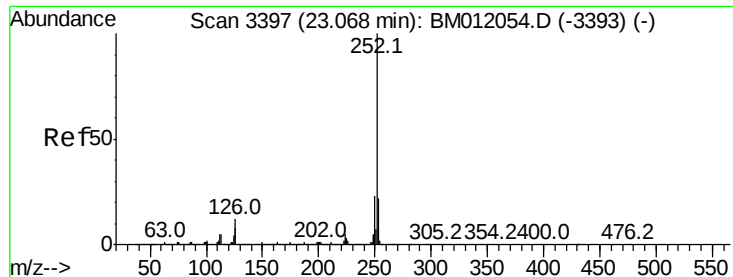


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

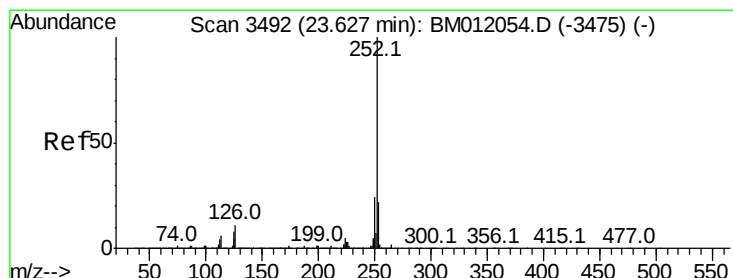
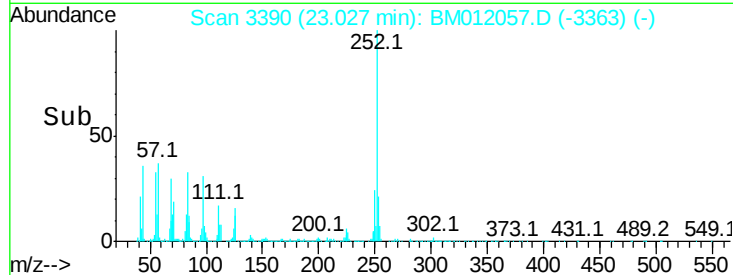
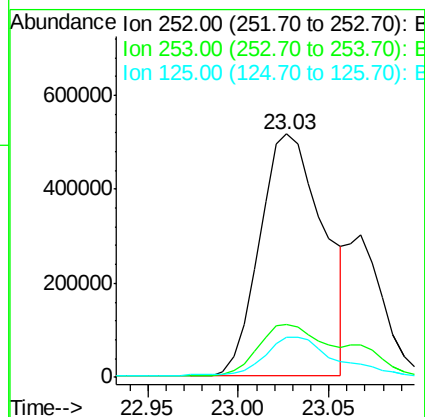
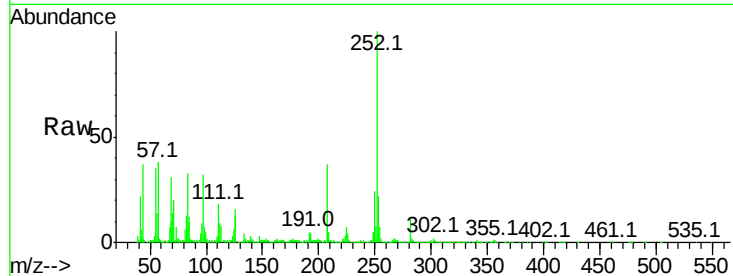




#86
Benzo(k)fluoranthene
Concen: 10.901 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.04 min
Lab File: BM012057.D
Acq: 11 Oct 2017 00:13

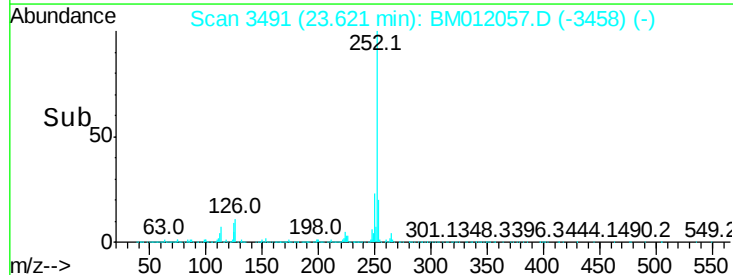
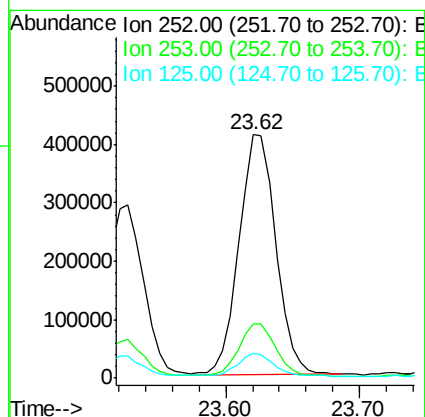
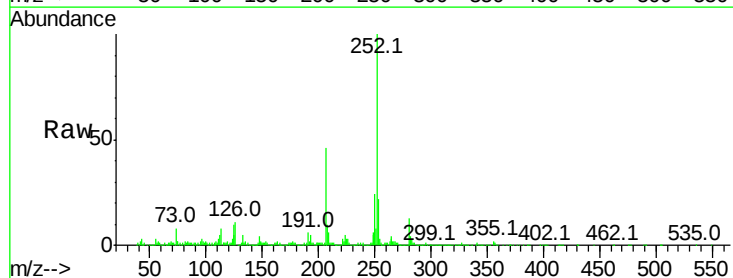
Instrument :
BNA_M
ClientSampleId :

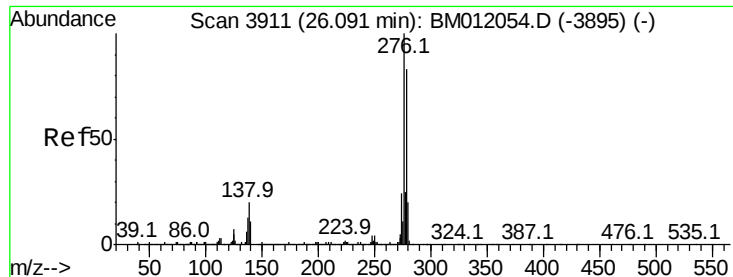
Tot Ion:252 Resp: 1264936
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 16.3 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 7.004 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM012057.D
Acq: 11 Oct 2017 00:13

Tgt Ion:252 Resp: 782167
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 10.1 4.0 6.0#



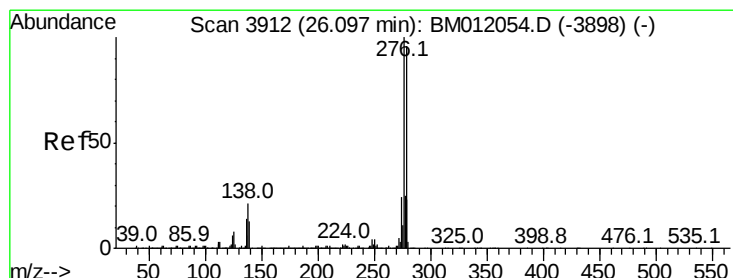
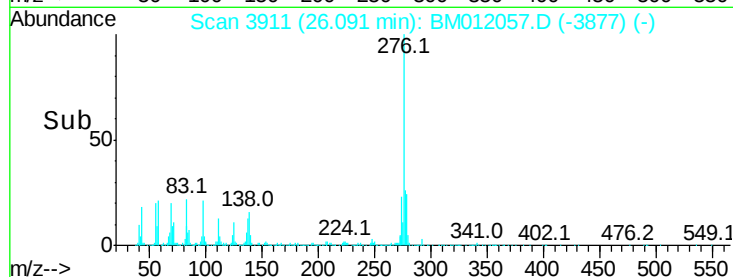
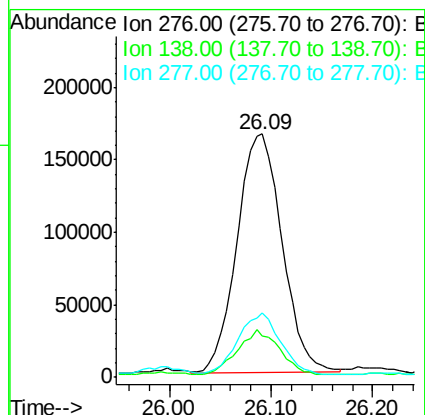
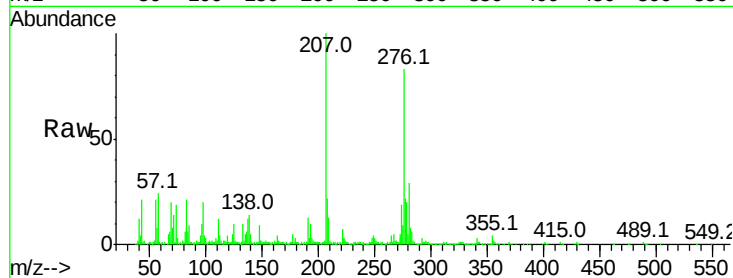


#89

Indeno(1,2,3-cd)pyrene
Concen: 4.236 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.00 min
Lab File: BM012057.D
Acq: 11 Oct 2017 00:13

Instrument :
BNA_M
ClientSampleId :

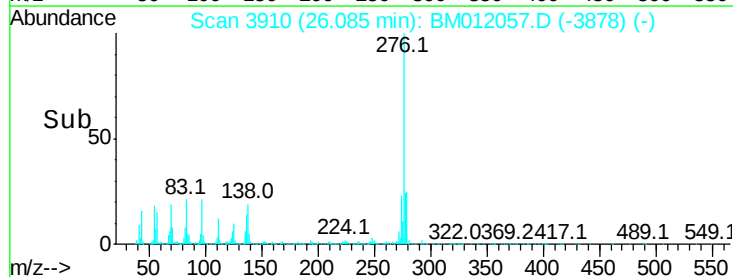
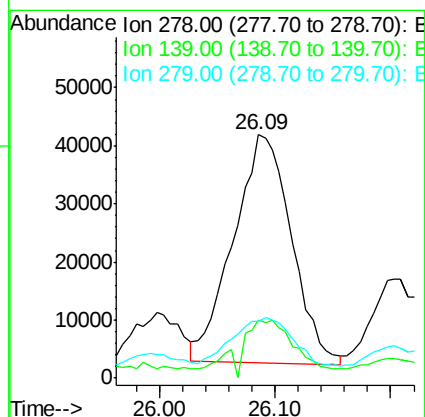
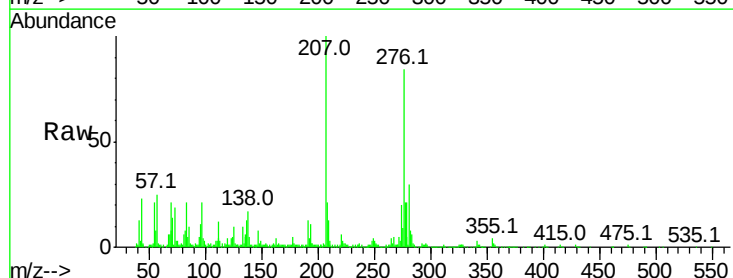
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.0	9.3	13.9#
277	26.6	19.9	29.9

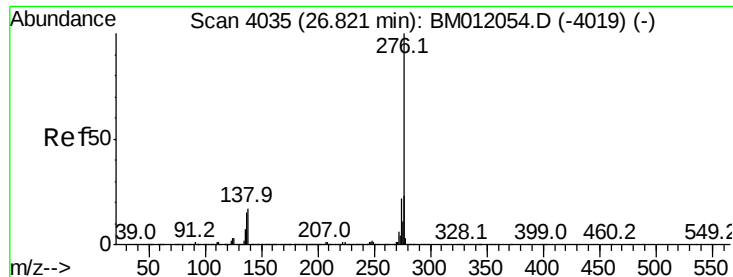


#90

Dibenzo(a,h)anthracene
Concen: 1.396 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM012057.D
Acq: 11 Oct 2017 00:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	5.8	8.8#
279	23.6	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 4.433 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. -0.01 min

Lab File: BM012057.D

Acq: 11 Oct 2017 00:13

Instrument :

BNA_M

ClientSampleId :

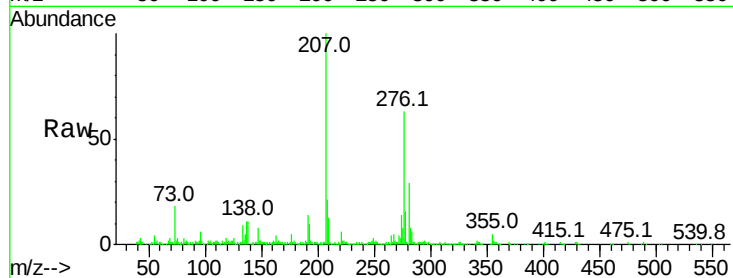
Tot Ion:276 Resp: 438230

Ion Ratio Lower Upper

276 100

138 17.1 8.5 12.7#

277 24.5 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

