

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011750.D
 Acq On : 28 Sep 2017 07:23
 Operator : SJ/JU
 Sample : I5377-23
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 07:55:50 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	7.93	152	295409	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1308127	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	730060	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1561918	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1291751	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1104424	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	9723	1.47	ng/uL	0.00
5) Phenol-d5	7.09	99	394089	13.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	277486	13.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	298350	13.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	350303	15.39	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	159729	15.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	178884	16.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	351734	16.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	263479	11.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1179455	18.84	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1399503	18.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	142049	13.27	ng/ul	0.00
57) Fluorene-d10	15.56	176	1013566	18.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	135293	12.79	ng/ul	0.00
70) Anthracene-d10	17.41	188	1534333	19.30	ng/ul	0.00
76) Pyrene-d10	19.70	212	1624680	26.35	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	1035615	19.58	ng/ul	0.00

Target Compounds

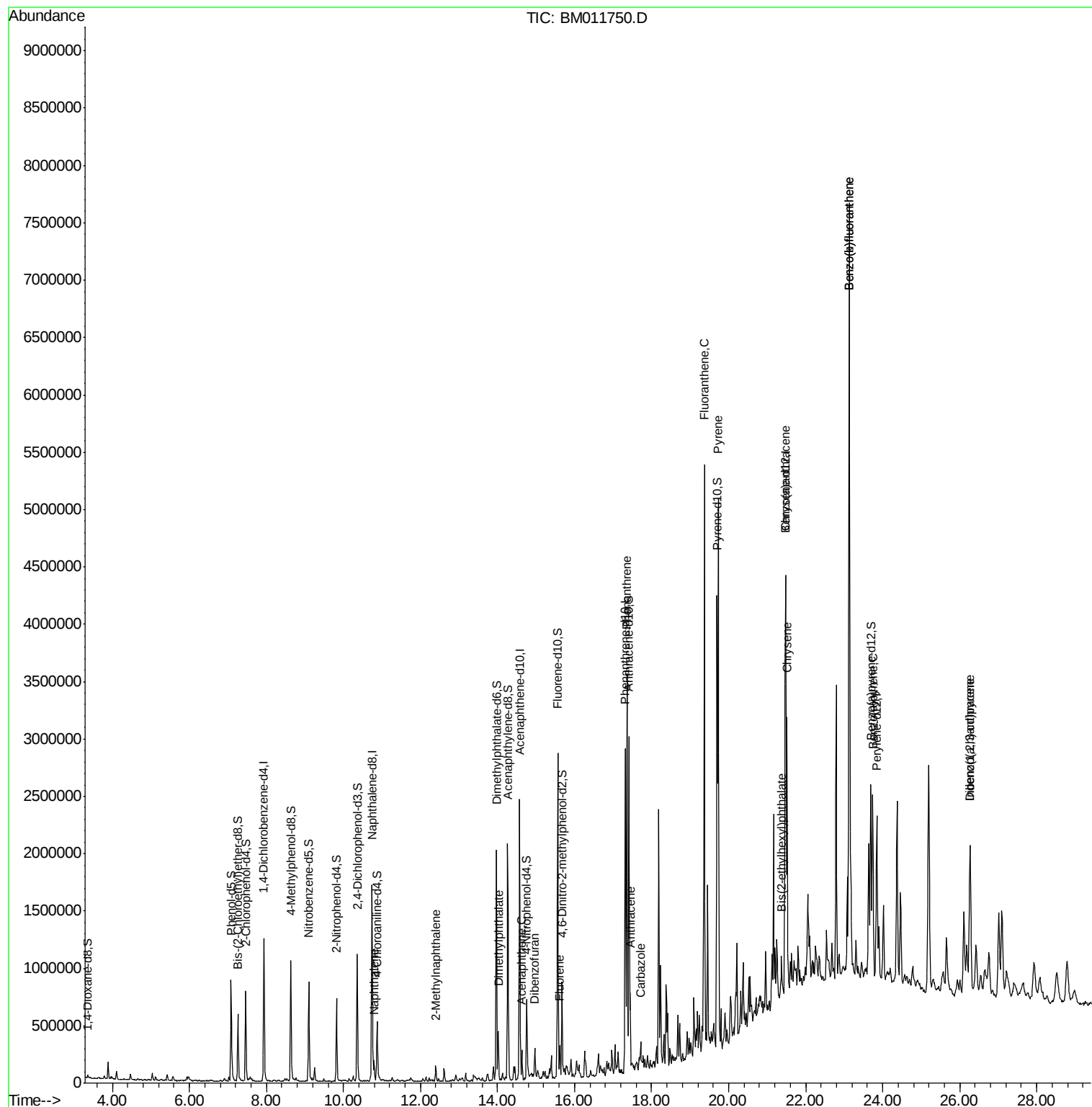
					Ovalue	
28) Naphthalene	10.79	128	131708	1.926	ng/ul	99
34) 2-Methylnaphthalene	12.40	142	60738	1.253	ng/ul	94
44) Dimethylphthalate	14.02	163	236685	3.952	ng/ul	99
49) Acenaphthene	14.63	153	97015	1.875	ng/ul	98
53) Dibenzofuran	14.97	168	91977	1.295	ng/ul	90
58) Fluorene	15.62	166	104562	1.738	ng/ul#	95
69) Phenanthrene	17.36	178	1924148	22.011	ng/ul	98
71) Anthracene	17.44	178	378893	4.207	ng/ul	97
72) Carbazole	17.72	167	138037	1.749	ng/ul	98
74) Fluoranthene	19.37	202	2907830	27.244	ng/ul#	91
77) Pyrene	19.73	202	2758844	35.839	ng/ul#	88
80) Benzo(a)anthracene	21.47	228	1310440	18.133	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.37	149	57509	1.197	ng/ul#	97
82) Chrysene	21.52	228	1331033	19.528	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	1653095	25.369	ng/ul#	93
86) Benzo(k)fluoranthene	23.13	252	1653095	24.868	ng/ul#	91
88) Benzo(a)pyrene	23.74	252	1195080	18.989	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.27	276	892024	13.613	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.27	278	265417	4.836	ng/ul#	85

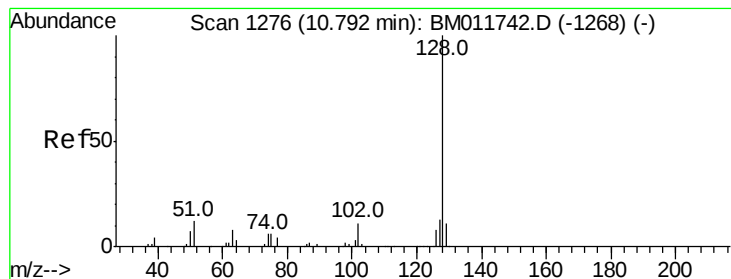
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.926 ng/ul

RT: 10.79 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampleId :

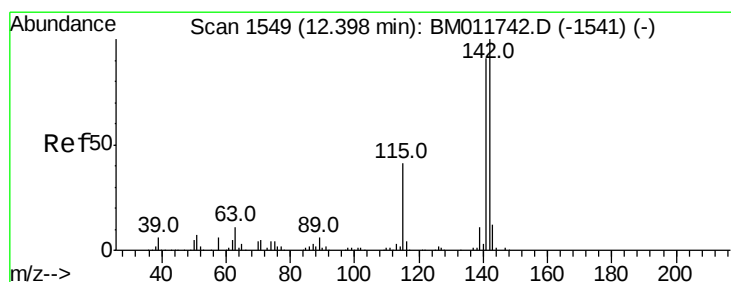
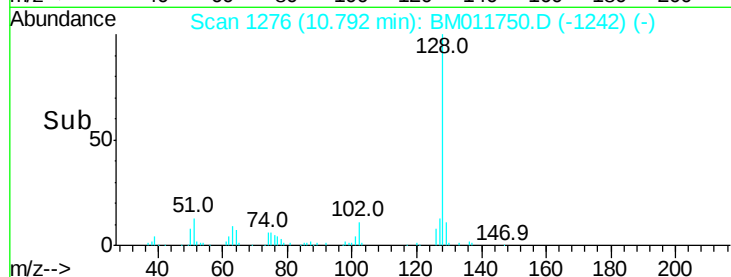
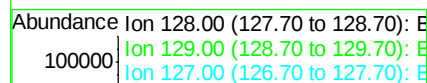
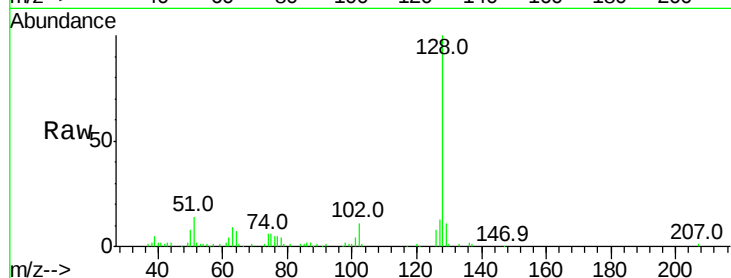
Tot Ion:128 Resp: 131708

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 12.5 10.6 16.0



#34

2-Methylnaphthalene

Concen: 1.253 ng/ul

RT: 12.40 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM011750.D

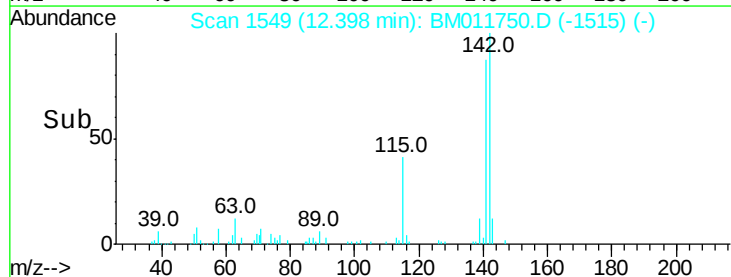
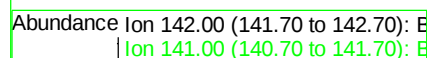
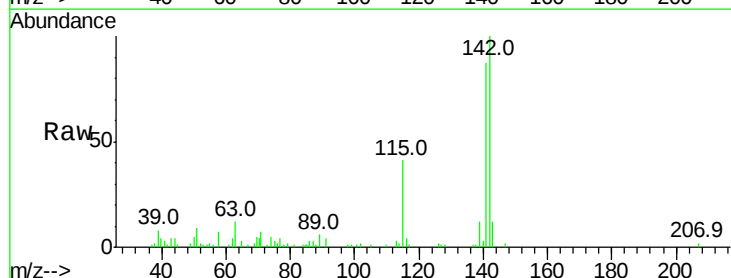
Acq: 28 Sep 2017 07:23

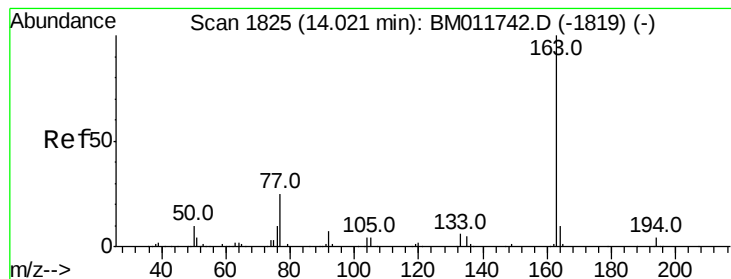
Tgt Ion:142 Resp: 60738

Ion Ratio Lower Upper

142 100

141 86.8 74.1 111.1





#44

Dimethylphthalate

Concen: 3.952 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampleId :

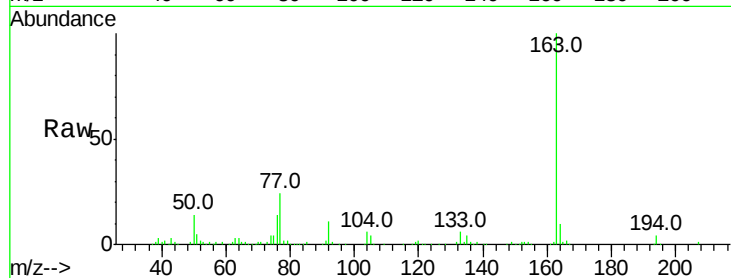
Tot Ion:163 Resp: 236685

Ion Ratio Lower Upper

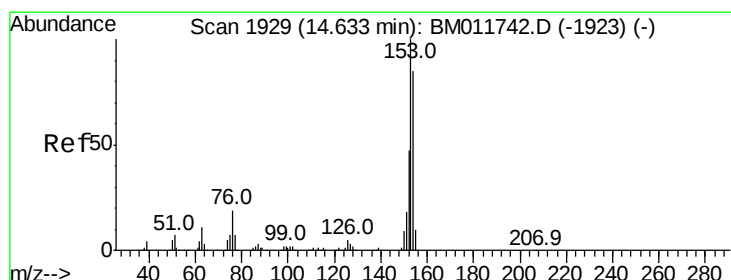
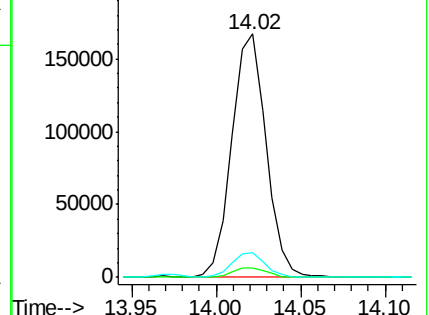
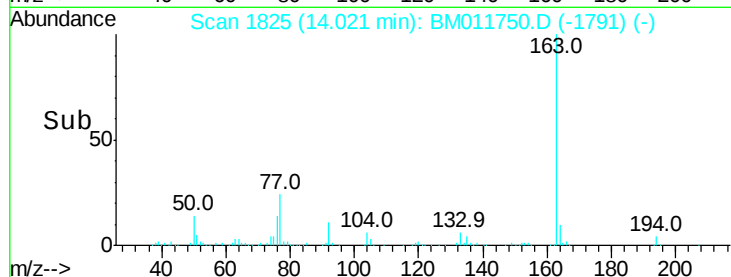
163 100

194 4.1 3.5 5.3

164 10.0 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: 1.875 ng/ul

RT: 14.63 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

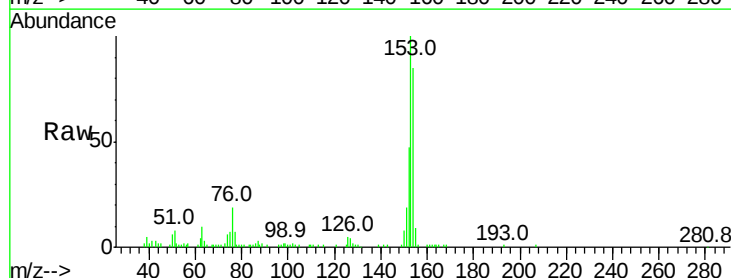
Tgt Ion:153 Resp: 97015

Ion Ratio Lower Upper

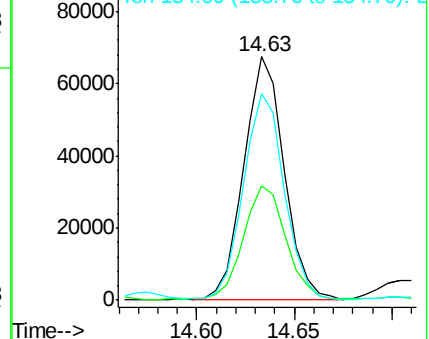
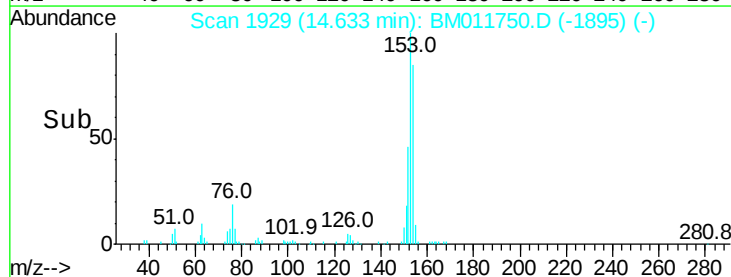
153 100

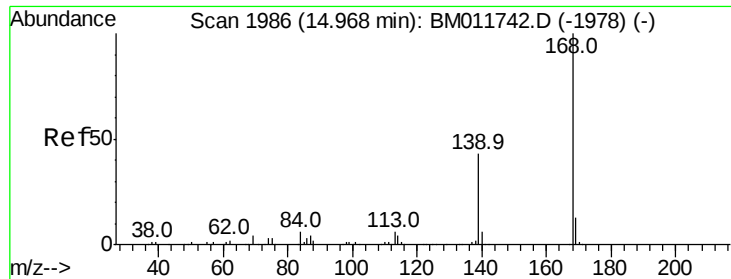
152 46.8 37.6 56.4

154 84.8 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

Dibenzenofuran

Concen: 1.295 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

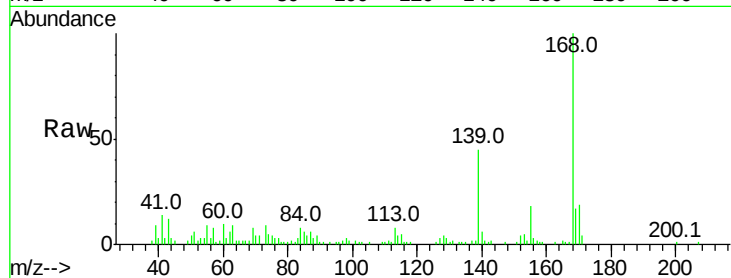
ClientSampleId :

Tot Ion:168 Resp: 91977

Ion Ratio Lower Upper

168 100

139 44.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

60000

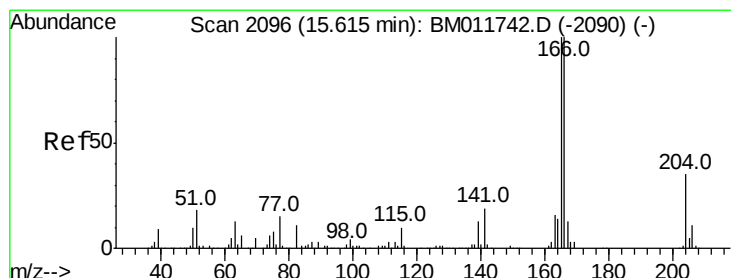
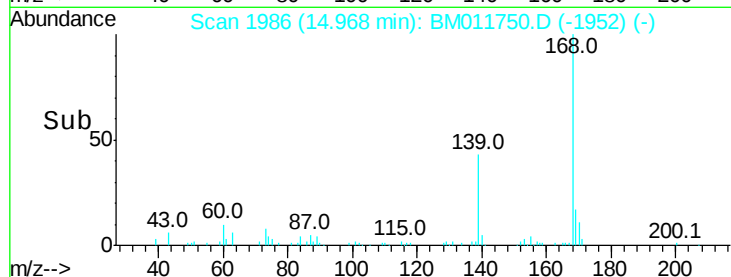
40000

20000

0

14.90 14.95 15.00

Time-->



#58

Fluorene

Concen: 1.738 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

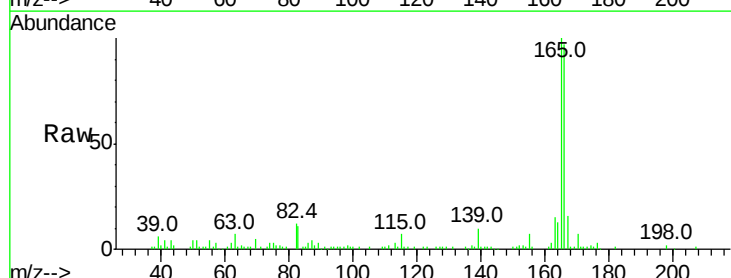
Tgt Ion:166 Resp: 104562

Ion Ratio Lower Upper

166 100

165 102.6 77.9 116.9

167 16.0 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

100000

80000

60000

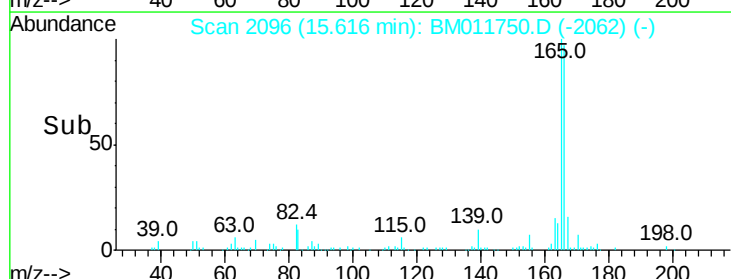
40000

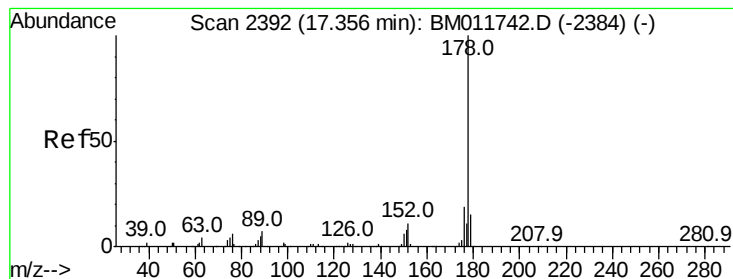
20000

0

15.55 15.60 15.65 15.70

Time-->





#69

Phenanthrene

Concen: 22.011 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

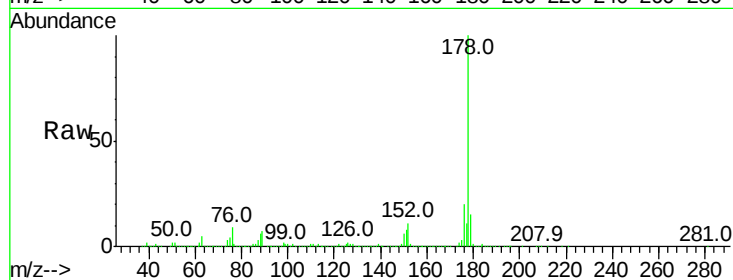
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1924148

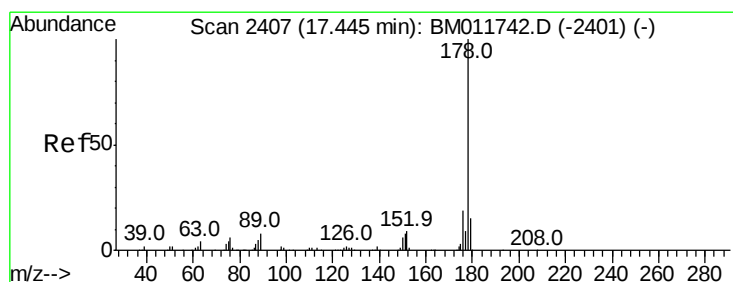
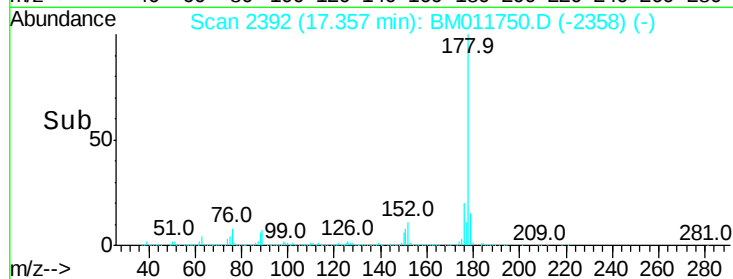
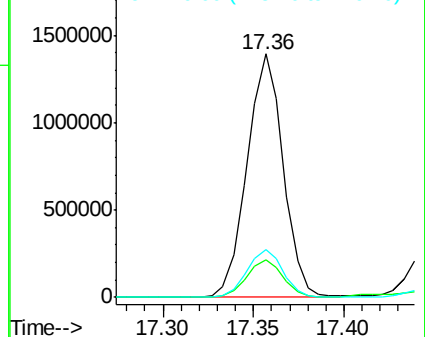
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.6	14.9	22.3



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: 4.207 ng/ul

RT: 17.44 min Scan# 2407

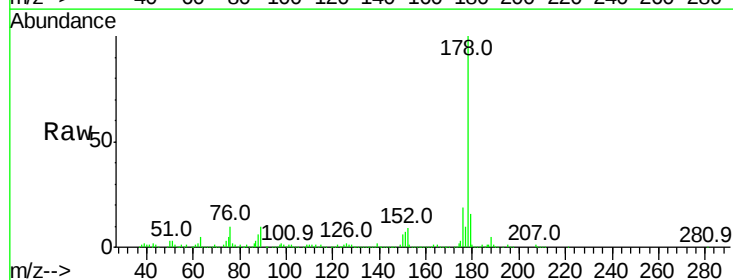
Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Tgt Ion:178 Resp: 378893

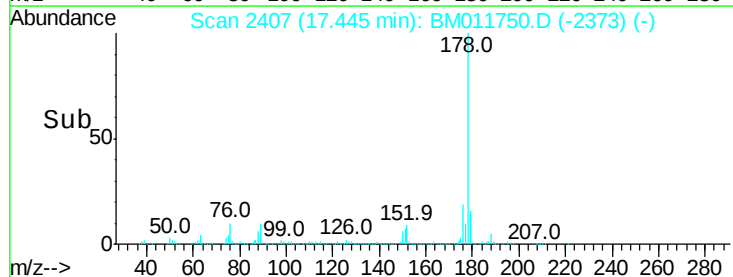
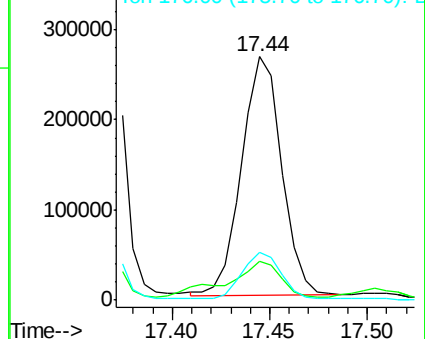
Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.7	17.5
176	19.4	14.6	21.8

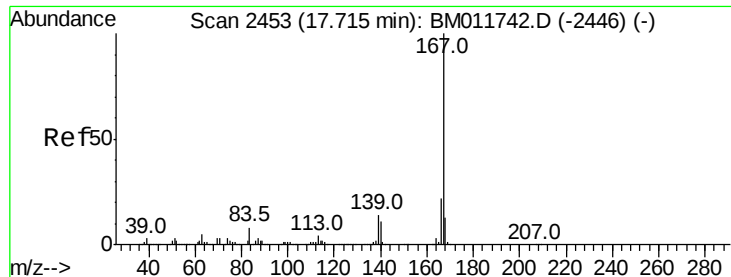


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.749 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampleId :

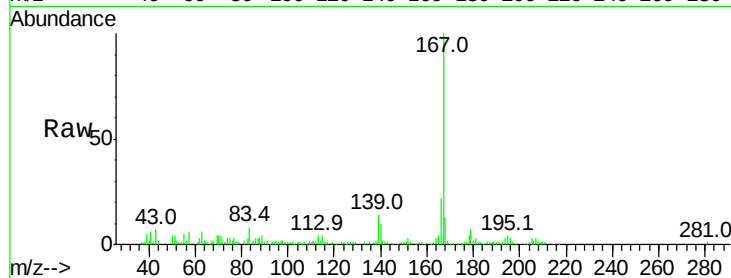
Tot Ion:167 Resp: 138037

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

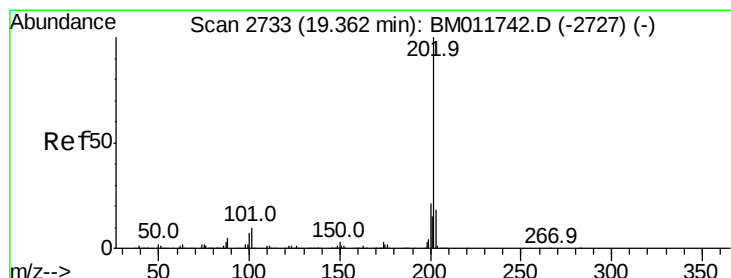
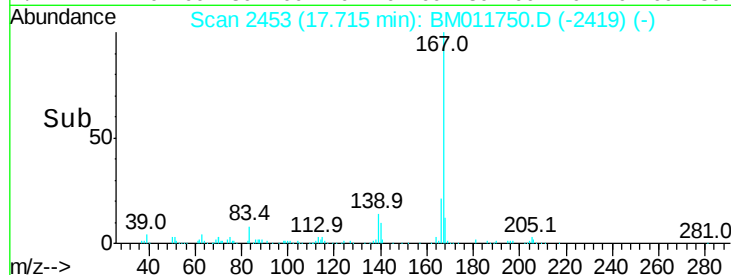
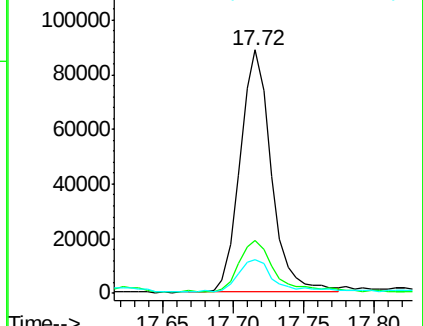
139 14.1 10.0 15.0



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: 27.244 ng/ul

RT: 19.37 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

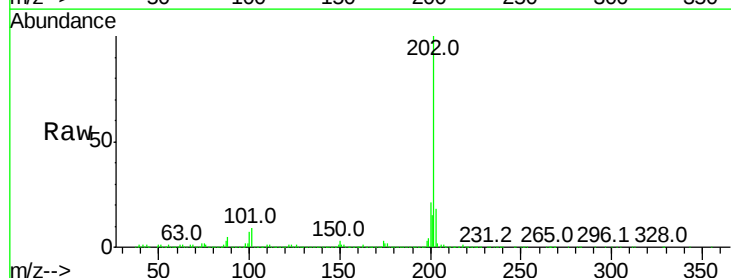
Tgt Ion:202 Resp: 2907830

Ion Ratio Lower Upper

202 100

101 9.0 4.6 7.0#

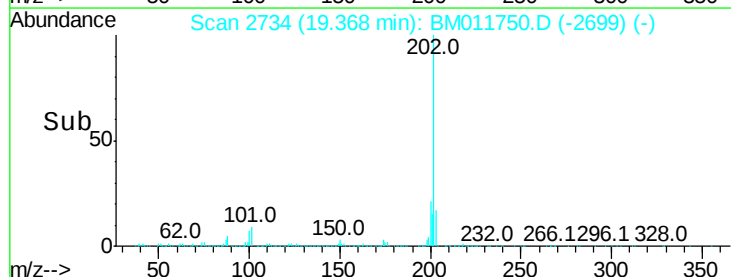
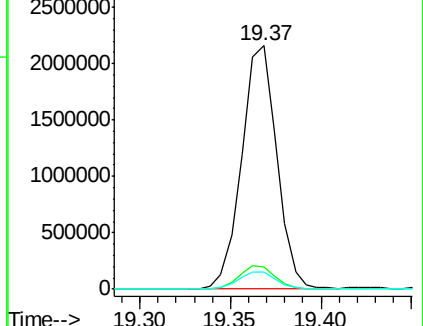
100 7.0 3.4 5.2#

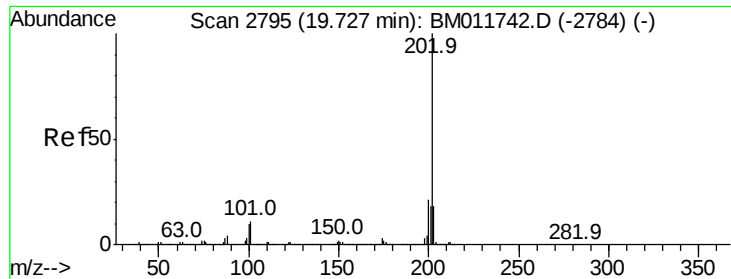


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 35.839 ng/ul

RT: 19.73 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM011750.D

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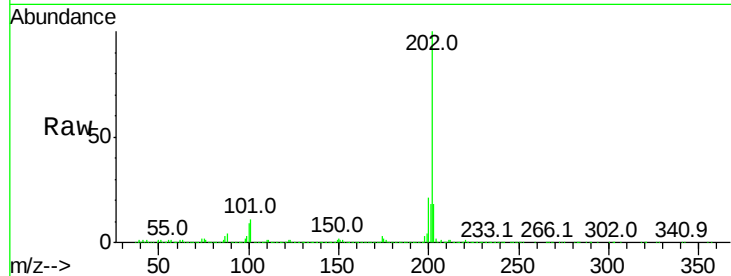
Tot Ion:202 Resp: 2758844

Ion Ratio Lower Upper

202 100

101 11.5 5.1 7.7#

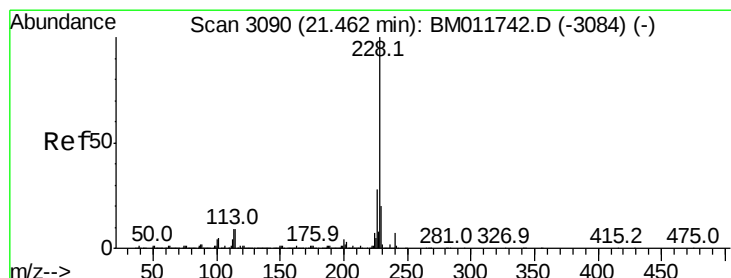
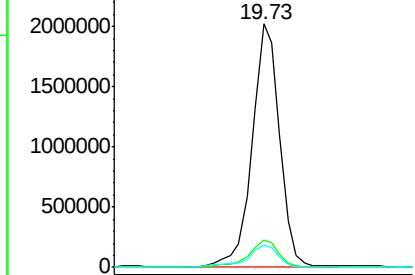
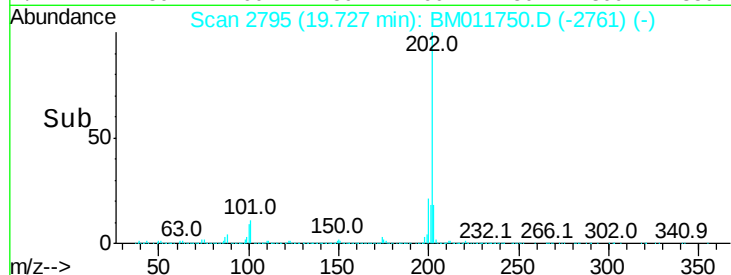
100 9.1 4.9 7.3#



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: 18.133 ng/ul

RT: 21.47 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

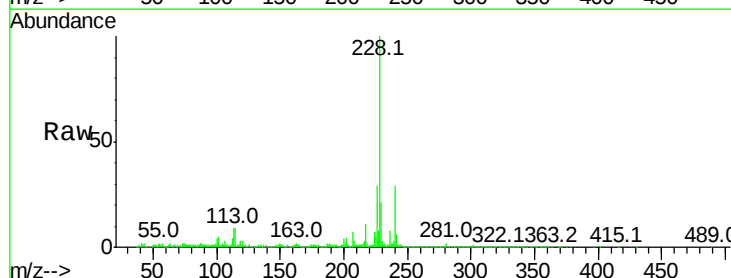
Tgt Ion:228 Resp: 1310440

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

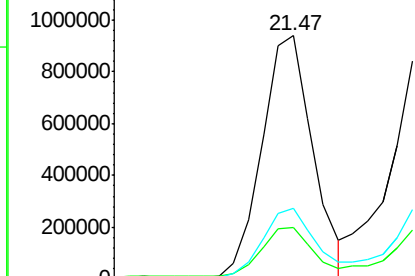
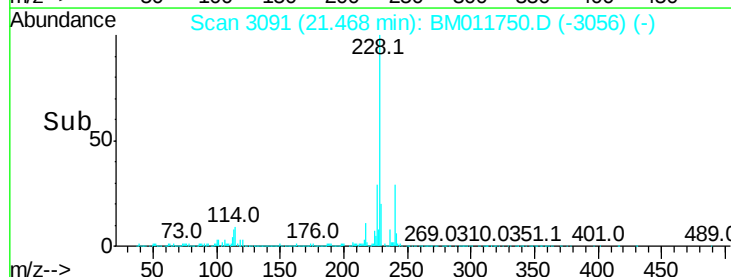
226 29.1 21.4 32.0

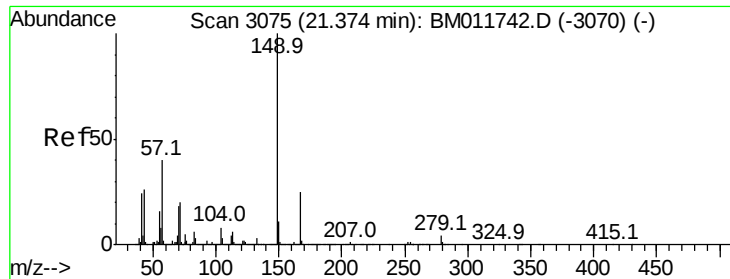


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

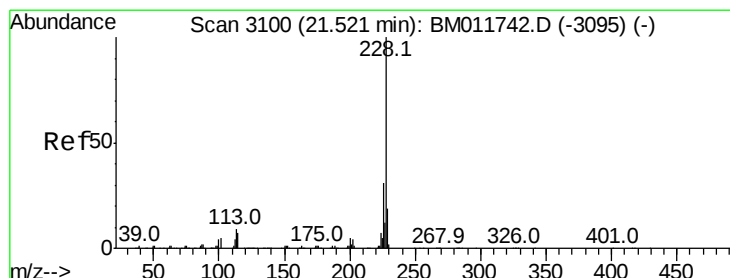
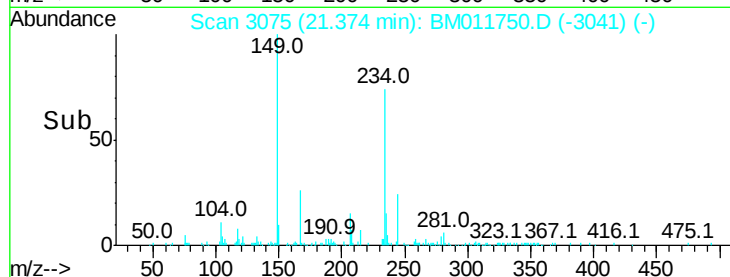
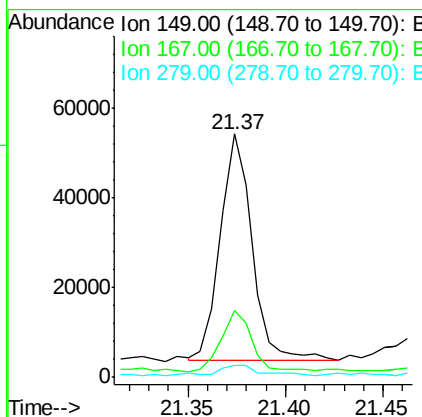
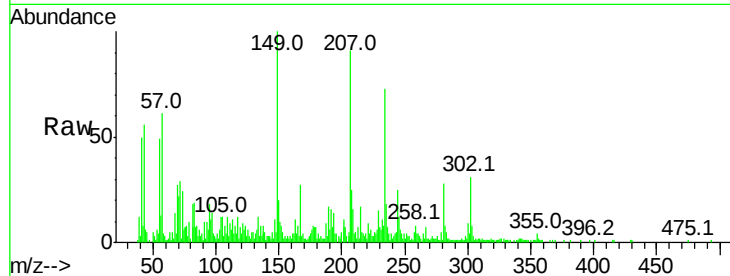




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.197 ng/ul
 RT: 21.37 min Scan# 3075
 Delta R.T. 0.00 min
 Lab File: BM011750.D
 Acq: 28 Sep 2017 07:23

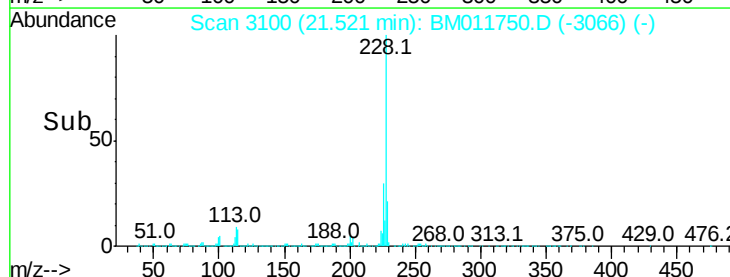
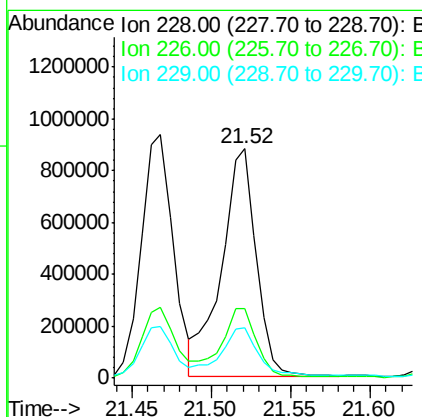
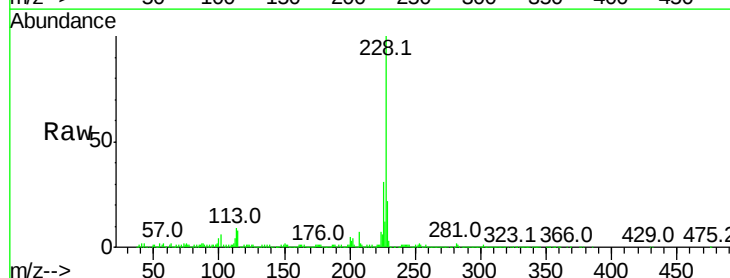
Instrument :
 BNA_M
 ClientSampleId :

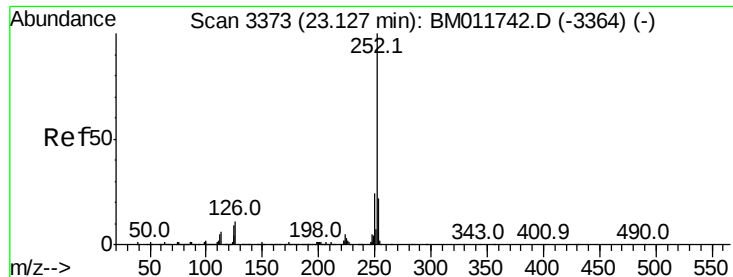
Tot Ion:149 Resp: 57509
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.8 34.2
 279 4.9 4.9 7.3#



#82
 Chrysene
 Concen: 19.528 ng/ul
 RT: 21.52 min Scan# 3100
 Delta R.T. 0.00 min
 Lab File: BM011750.D
 Acq: 28 Sep 2017 07:23

Tgt Ion:228 Resp: 1331033
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.4 35.2
 229 21.9 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 25.369 ng/ul

RT: 23.13 min Scan# 3374

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampleId :

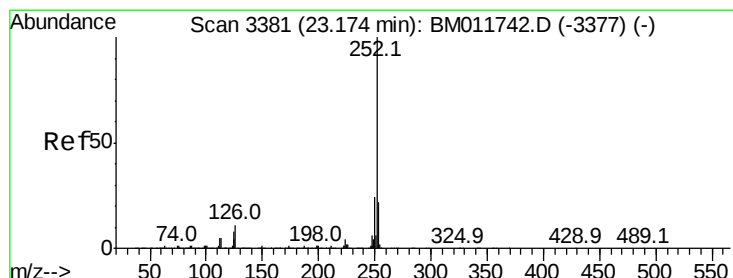
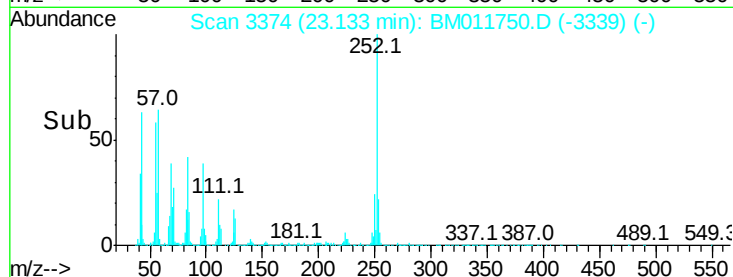
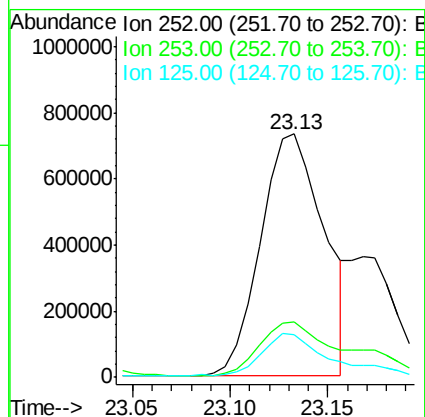
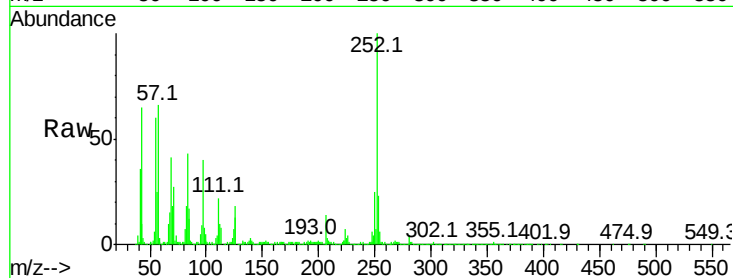
Tot Ion:252 Resp: 1653095

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 17.5 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 24.868 ng/ul

RT: 23.13 min Scan# 3374

Delta R.T. -0.04 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

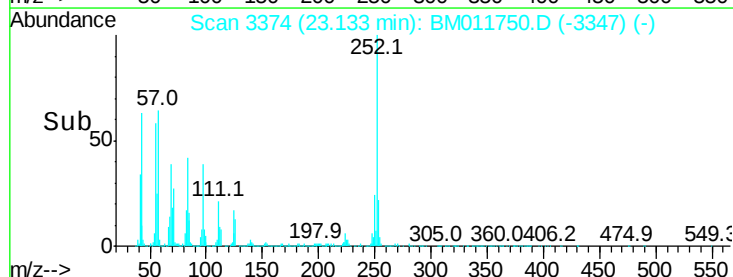
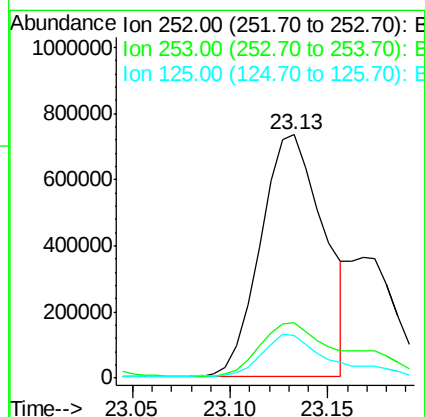
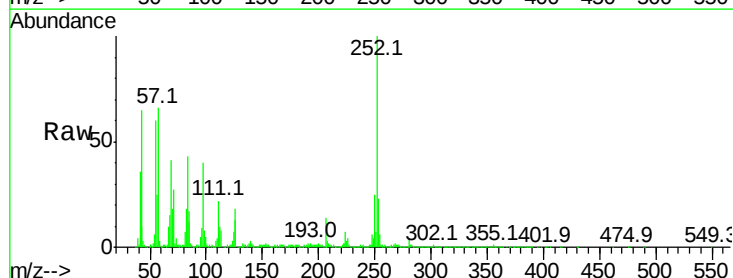
Tgt Ion:252 Resp: 1653095

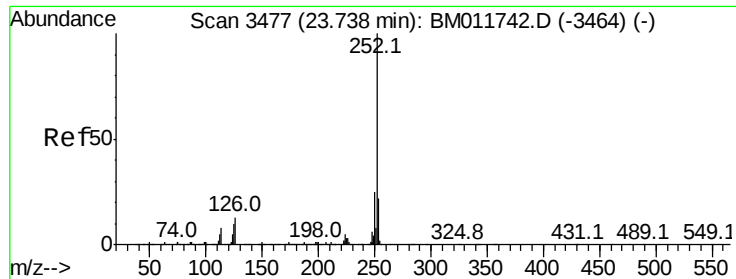
Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 17.5 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 18.989 ng/ul

RT: 23.74 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampleId :

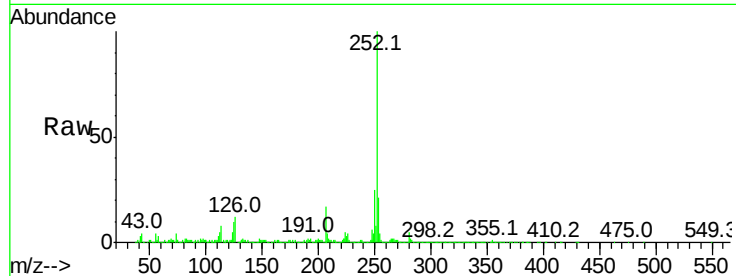
Tot Ion:252 Resp: 1195080

Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.2

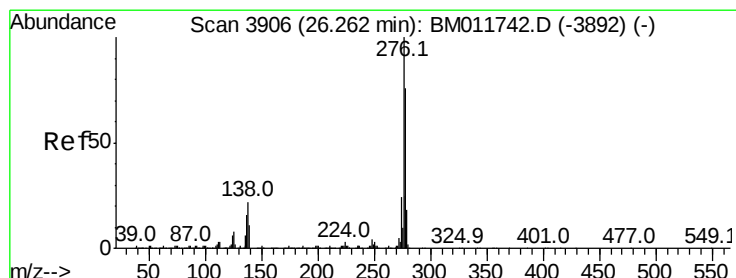
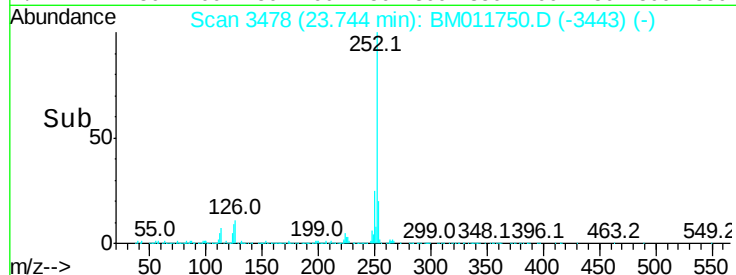
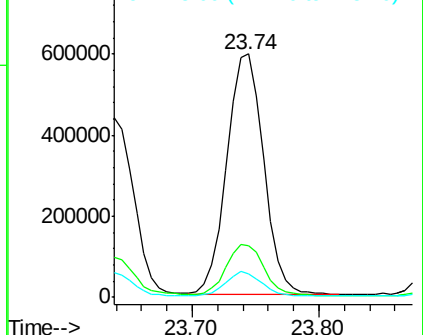
125 9.7 4.0 6.0#



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: 13.613 ng/ul

RT: 26.27 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

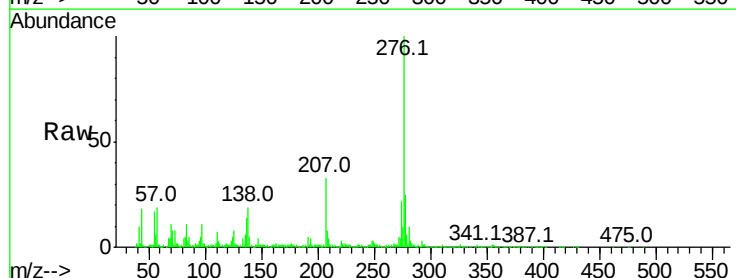
Tgt Ion:276 Resp: 892024

Ion Ratio Lower Upper

276 100

138 18.7 9.3 13.9#

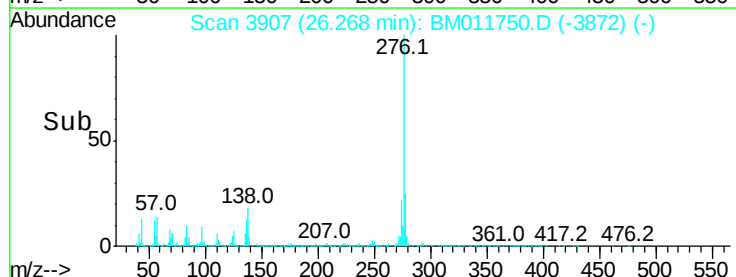
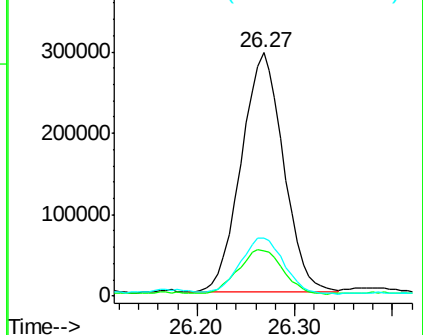
277 24.1 19.9 29.9

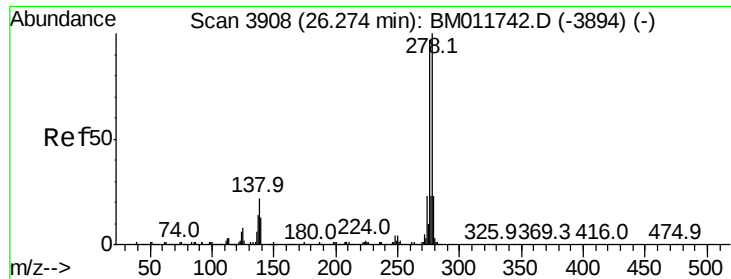


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.836 ng/ul

RT: 26.27 min Scan# 3908

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 265417

Ion Ratio Lower Upper

278 100

139 18.8 5.8 8.8#

279 28.0 18.6 27.8#

