

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011751.D
 Acq On : 28 Sep 2017 07:59
 Operator : SJ/JU
 Sample : I5377-24
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 09:05:23 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	320935	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1416361	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	749095	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1481801	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1072216	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1020348	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	10921	1.52	ng/uL	0.00
5) Phenol-d5	7.09	99	300881	9.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	324326	14.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	286006	12.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	259261	10.49	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	163732	14.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	103328	8.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	218146	9.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	45314	1.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	709762	11.05	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1160490	14.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	2169	0.20	ng/ul	0.01
57) Fluorene-d10	15.56	176	811363	14.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	6053	0.60	ng/ul	0.00
70) Anthracene-d10	17.41	188	1124433	14.91	ng/ul	0.00
76) Pyrene-d10	19.70	212	1095961	21.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	757183	15.50	ng/ul	0.00

Target Compounds

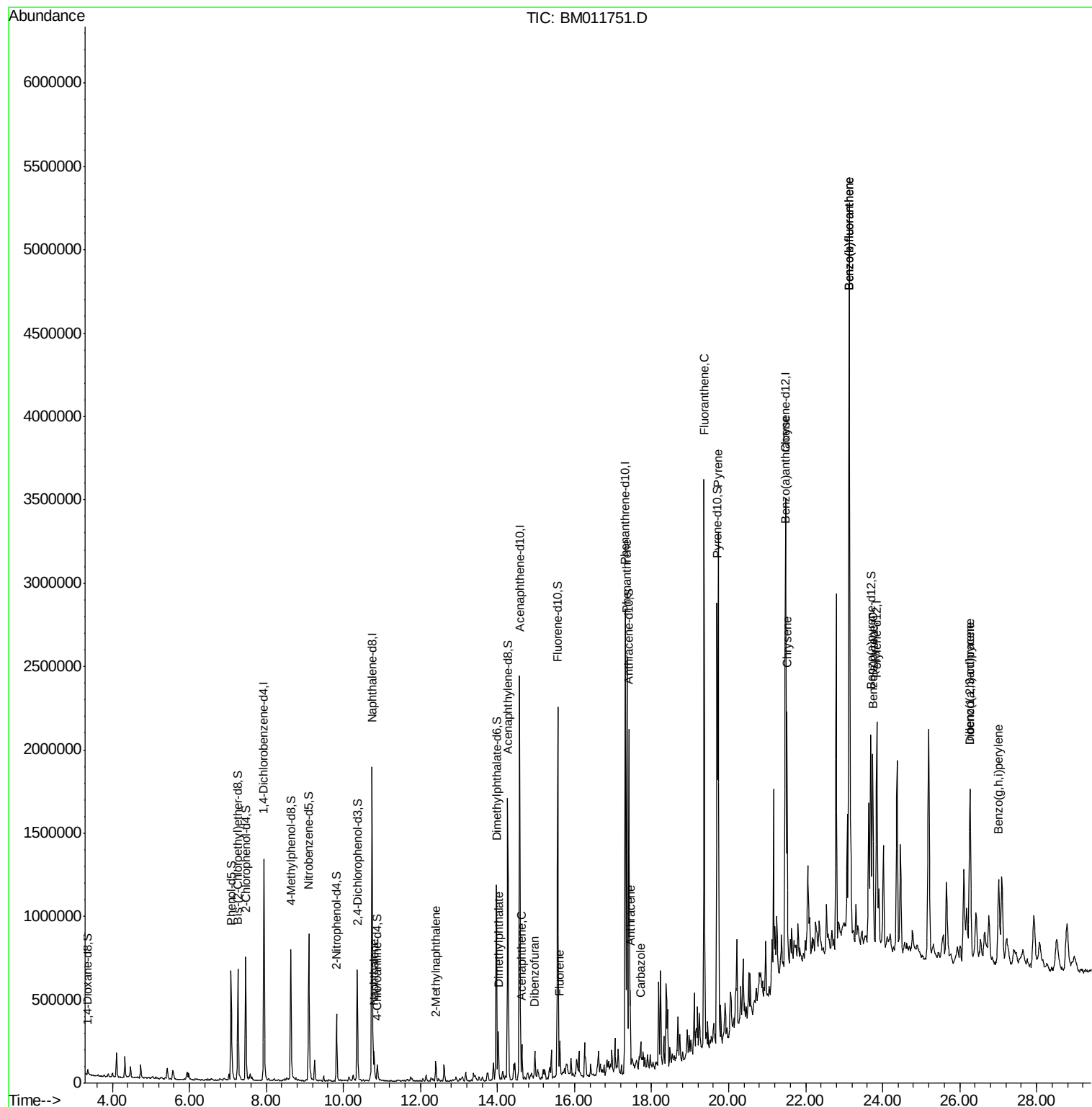
					Ovalue	
28) Naphthalene	10.79	128	130273	1.760	ng/ul	99
34) 2-Methylnaphthalene	12.40	142	54955	1.047	ng/ul	95
44) Dimethylphthalate	14.02	163	158449	2.579	ng/ul	99
49) Acenaphthene	14.63	153	78600	1.481	ng/ul	99
53) Dibenzofuran	14.97	168	75670	1.038	ng/ul	97
58) Fluorene	15.62	166	79089	1.281	ng/ul	99
69) Phenanthrene	17.36	178	1405001	16.941	ng/ul	98
71) Anthracene	17.44	178	264798	3.099	ng/ul	98
72) Carbazole	17.72	167	91536	1.223	ng/ul#	95
74) Fluoranthene	19.36	202	1939625	19.155	ng/ul#	88
77) Pyrene	19.73	202	1814846	28.403	ng/ul#	87
80) Benzo(a)anthracene	21.46	228	831863	13.867	ng/ul	96
82) Chrysene	21.52	228	870096	15.379	ng/ul	98
85) Benzo(b)fluoranthene	23.13	252	1250132	20.766	ng/ul#	93
86) Benzo(k)fluoranthene	23.13	252	1250132	20.355	ng/ul#	93
88) Benzo(a)pyrene	23.74	252	853455	14.678	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.26	276	668852	11.048	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.27	278	197553	3.896	ng/ul#	87
91) Benzo(g,h,i)perylene	27.01	276	678214	13.497	ng/ul#	91

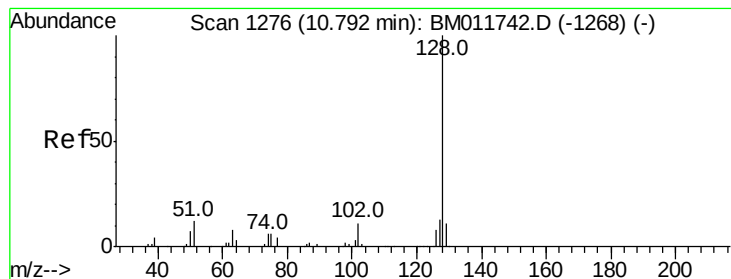
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.760 ng/ul

RT: 10.79 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

ClientSampleId :

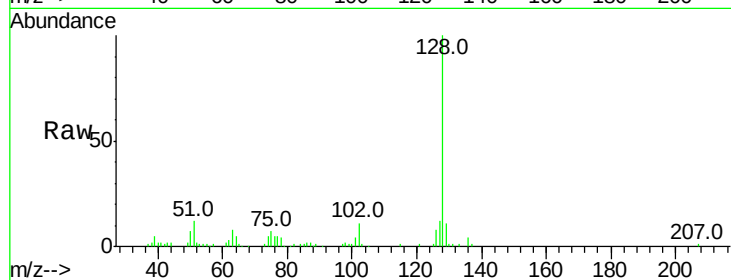
Tot Ion:128 Resp: 130273

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.2	10.6	16.0

128 100

129 11.0 8.8 13.2

127 12.2 10.6 16.0



Abundance

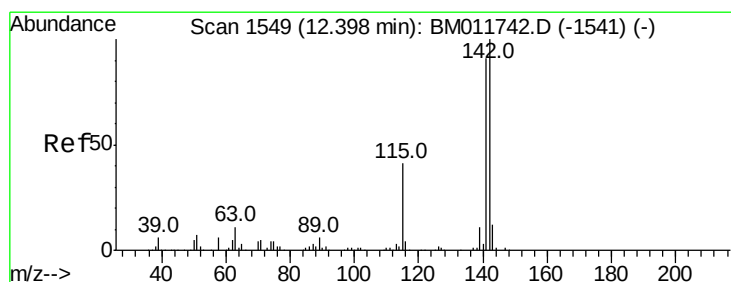
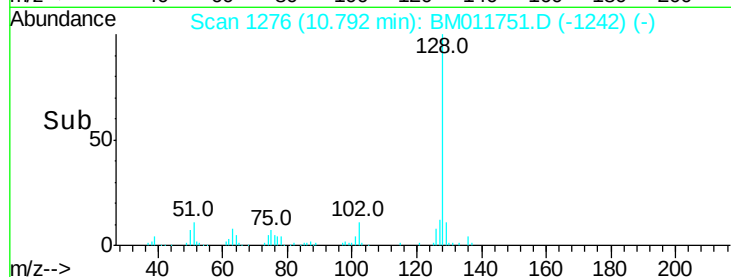
Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.79

Time-->



#34

2-Methylnaphthalene

Concen: 1.047 ng/ul

RT: 12.40 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM011751.D

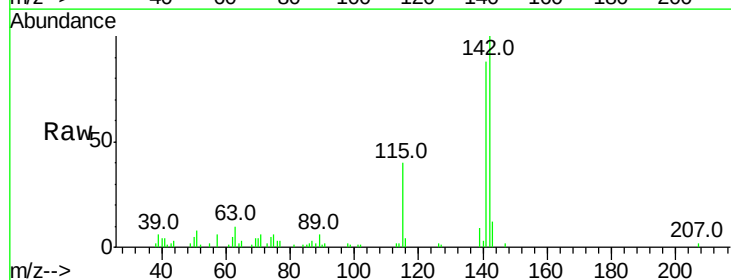
Acq: 28 Sep 2017 07:59

Tgt Ion:142 Resp: 54955

Ion	Ratio	Lower	Upper
142	100		
141	87.6	74.1	111.1

142 100

141 87.6 74.1 111.1



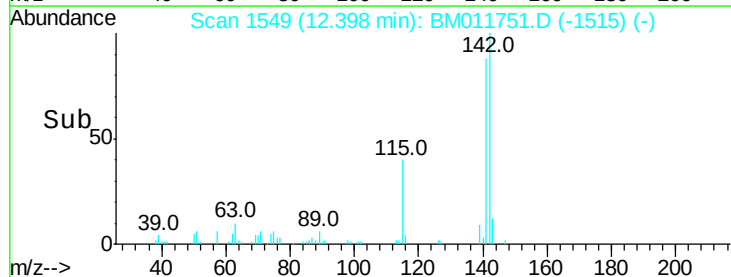
Abundance

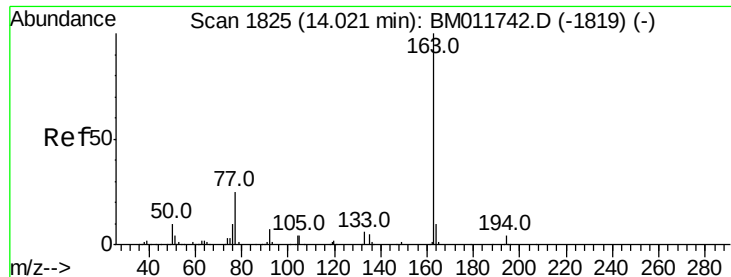
Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.40

Time-->





#44

Dimethylphthalate

Concen: 2.579 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

ClientSampled :

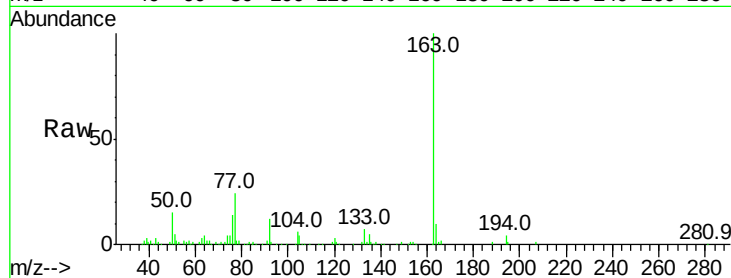
Tot Ion:163 Resp: 158449

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

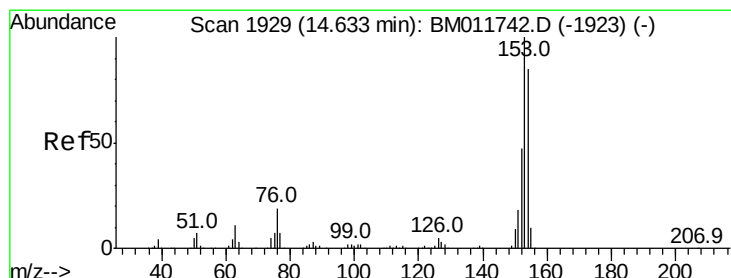
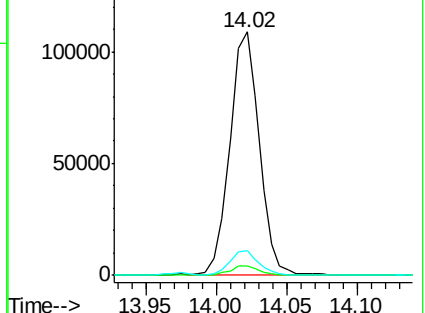
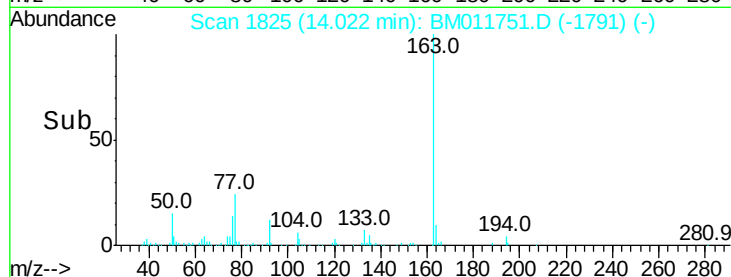
164 10.1 8.2 12.4



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: 1.481 ng/ul

RT: 14.63 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

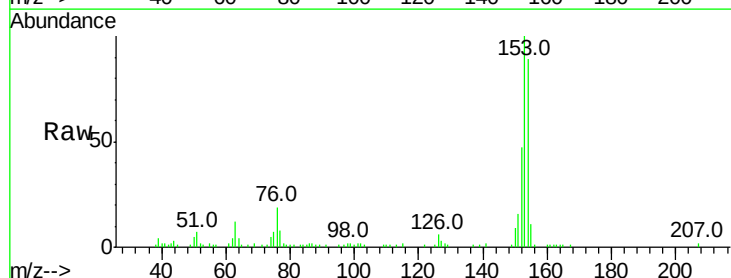
Tgt Ion:153 Resp: 78600

Ion Ratio Lower Upper

153 100

152 47.2 37.6 56.4

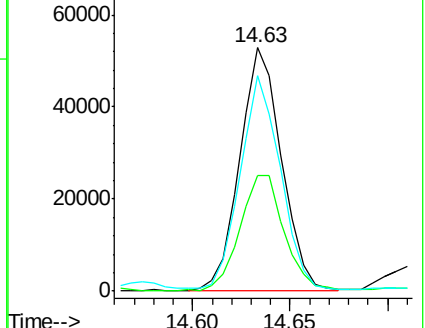
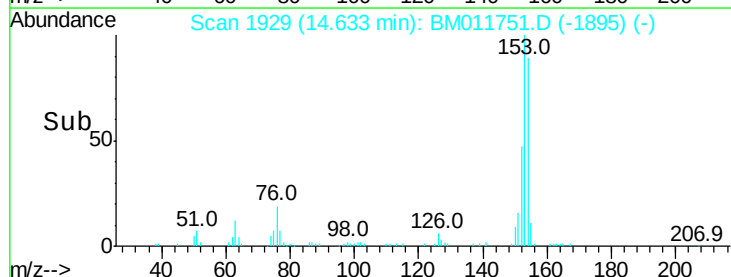
154 88.6 70.4 105.6

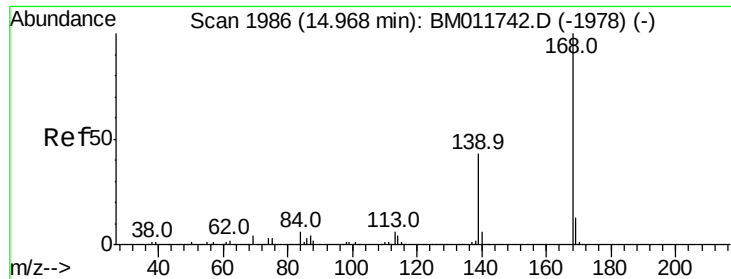


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.038 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

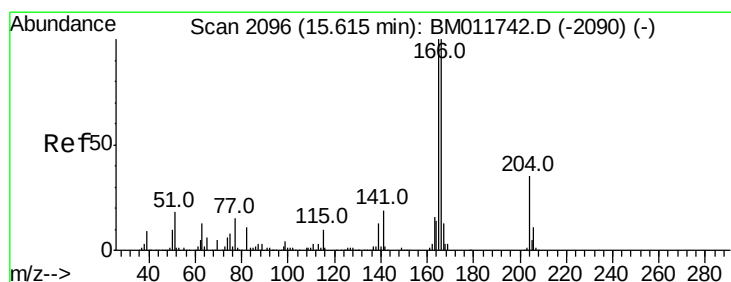
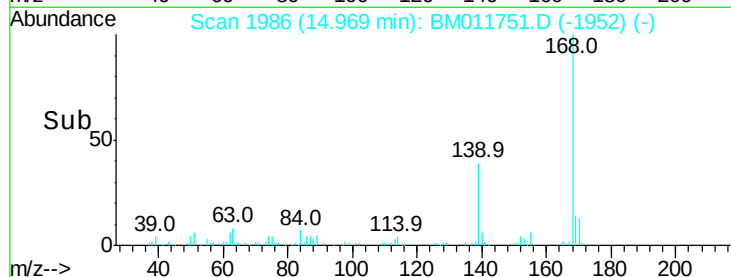
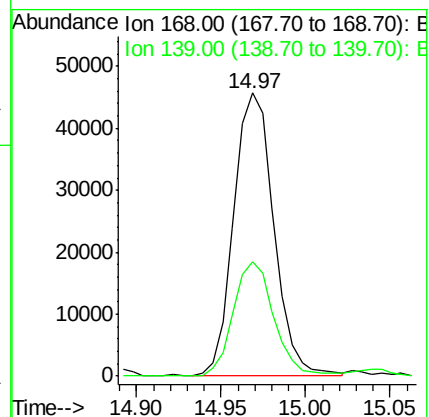
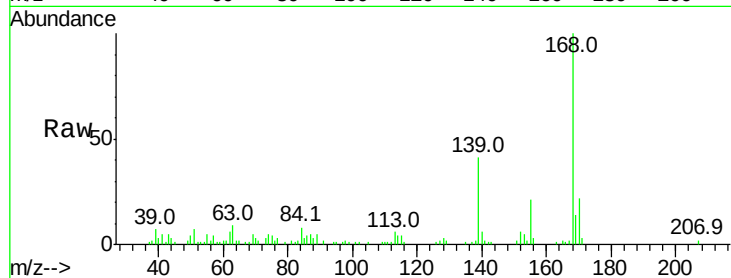
ClientSampleId :

Tot Ion:168 Resp: 75670

Ion Ratio Lower Upper

168 100

139 40.5 30.8 46.2



#58

Fluorene

Concen: 1.281 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

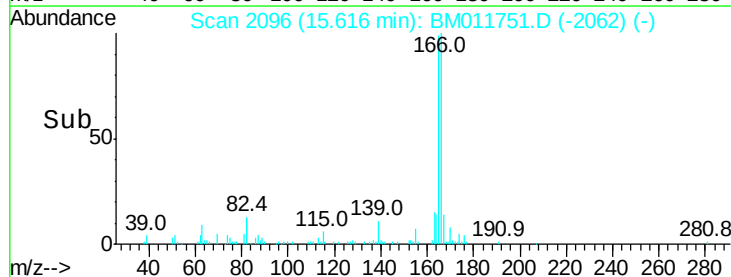
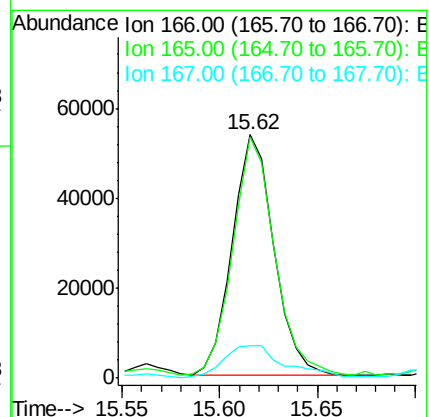
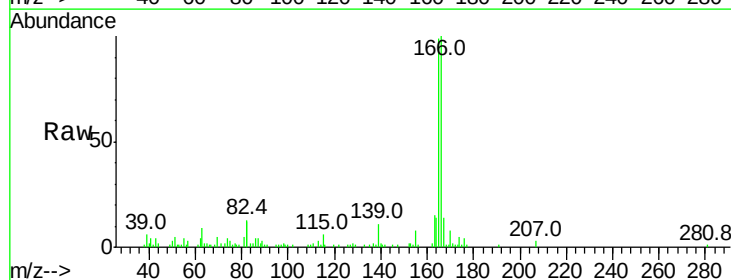
Tgt Ion:166 Resp: 79089

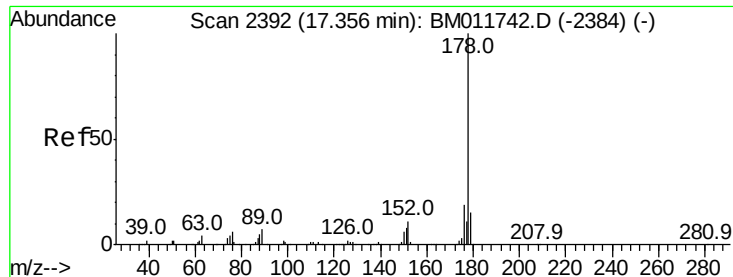
Ion Ratio Lower Upper

166 100

165 98.8 77.9 116.9

167 13.5 10.6 16.0





#69

Phenanthrene

Concen: 16.941 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

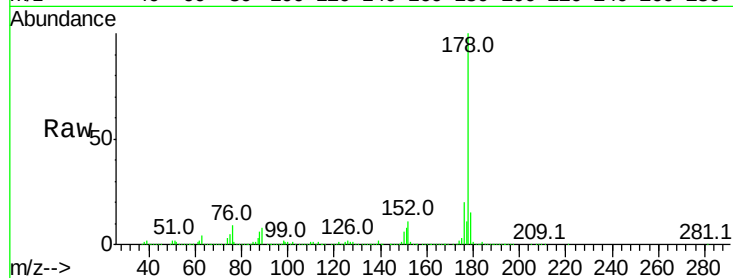
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1405001

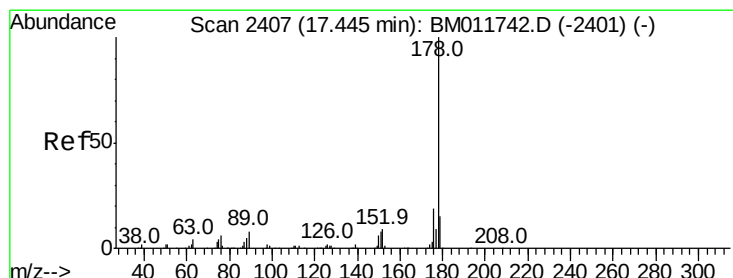
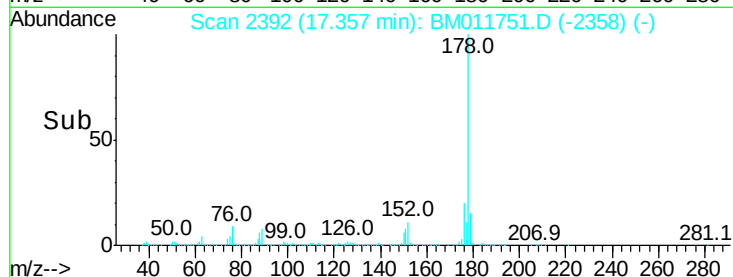
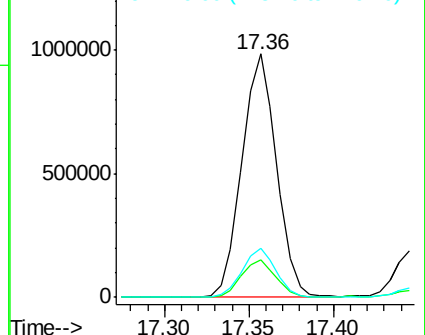
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	20.0	14.9	22.3



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: 3.099 ng/ul

RT: 17.44 min Scan# 2407

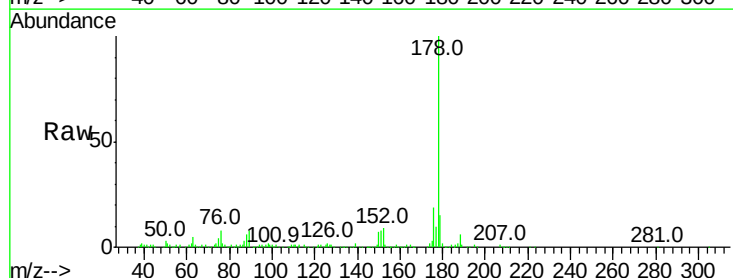
Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Tgt Ion:178 Resp: 264798

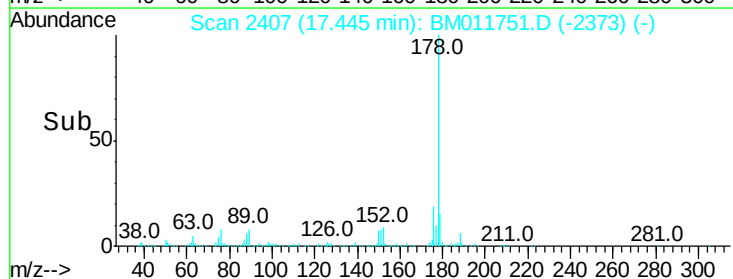
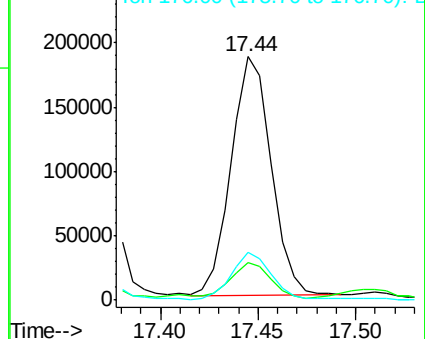
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	19.4	14.6	21.8

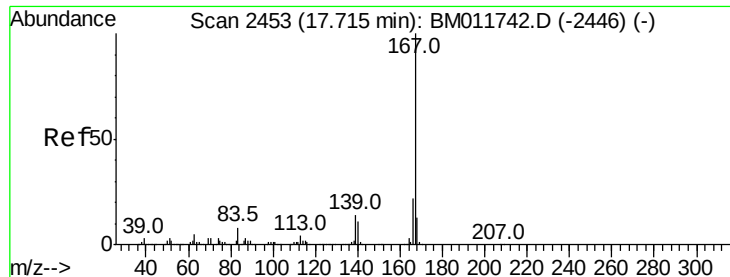


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.223 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

ClientSampleId :

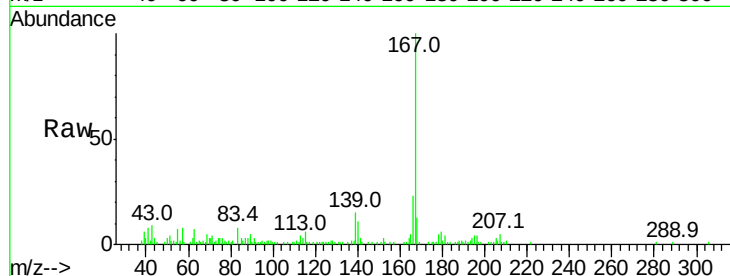
Tot Ion:167 Resp: 91536

Ion Ratio Lower Upper

167 100

166 23.2 17.1 25.7

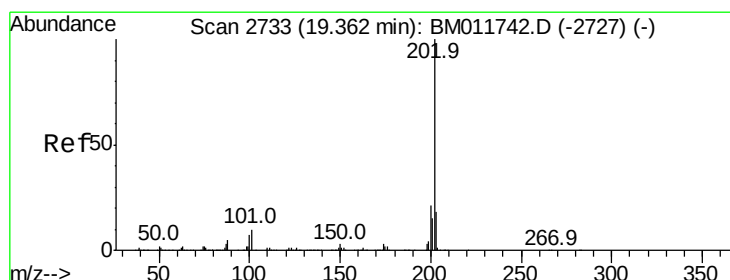
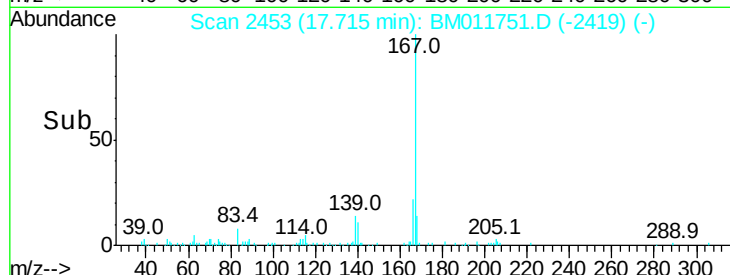
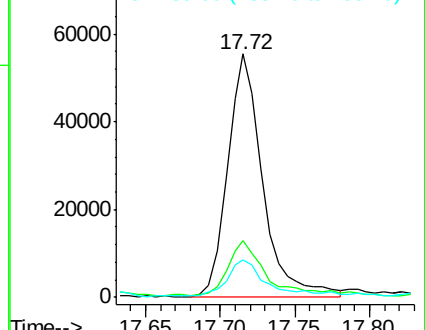
139 15.3 10.0 15.0#



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: 19.155 ng/ul

RT: 19.36 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

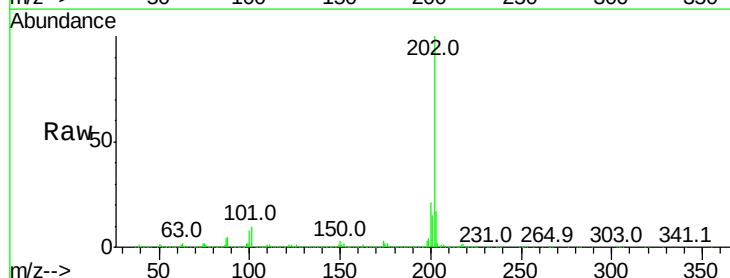
Tgt Ion:202 Resp: 1939625

Ion Ratio Lower Upper

202 100

101 9.8 4.6 7.0#

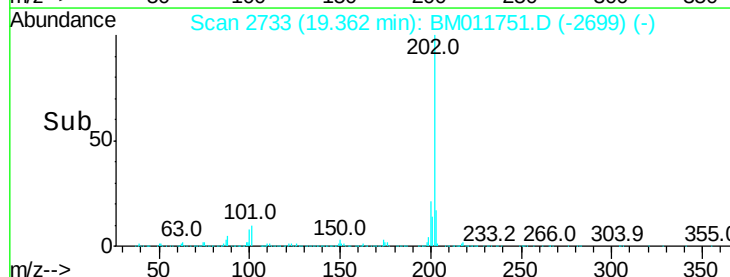
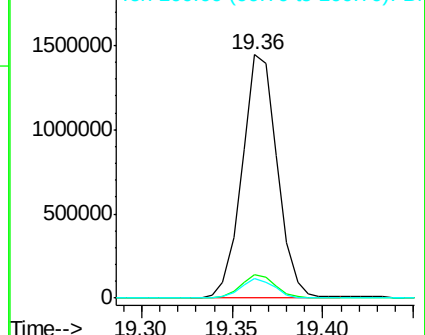
100 8.1 3.4 5.2#

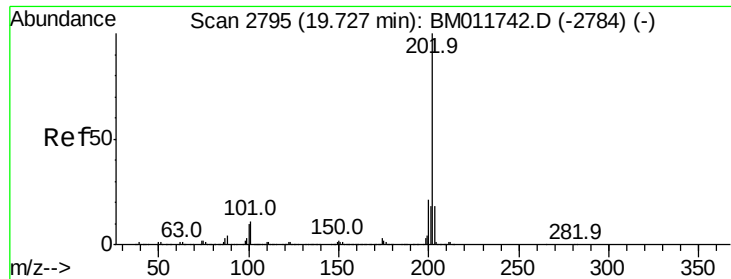


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

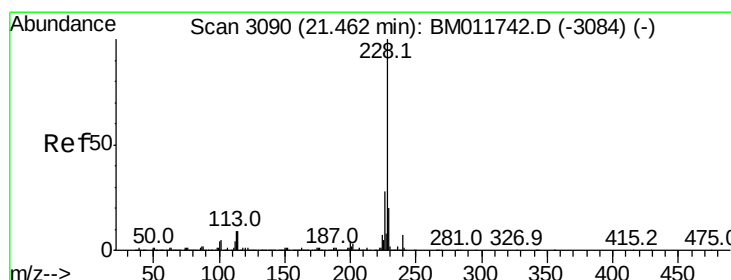
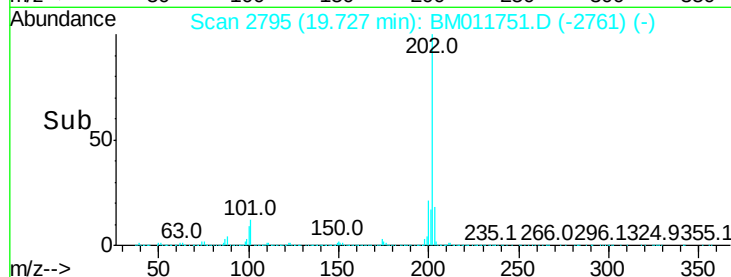
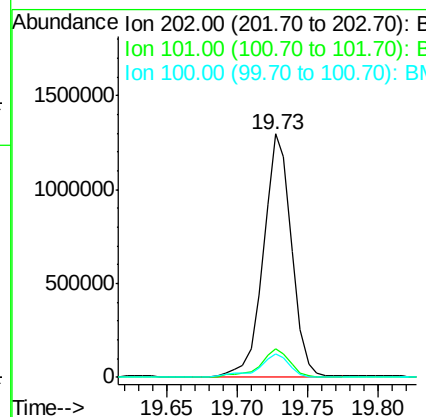
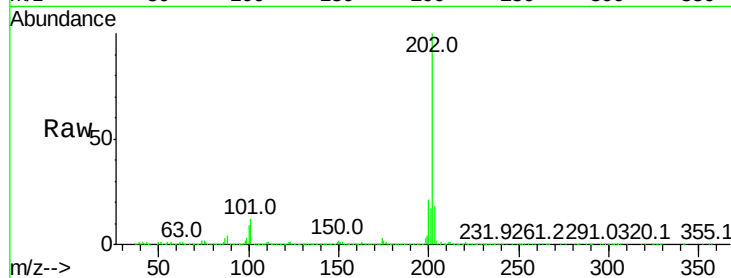




#77
Pvrene
Concen: 28.403 ng/ul
RT: 19.73 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

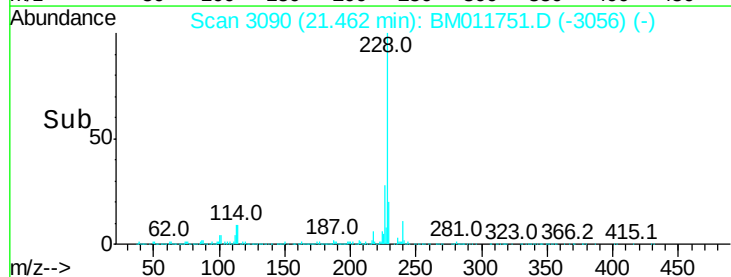
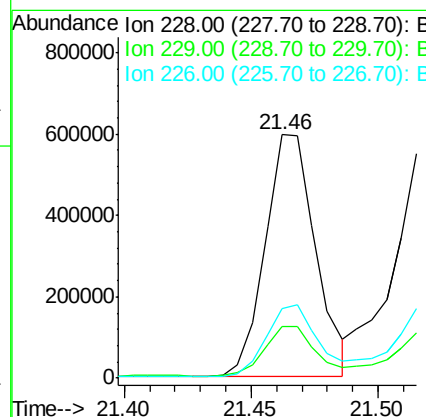
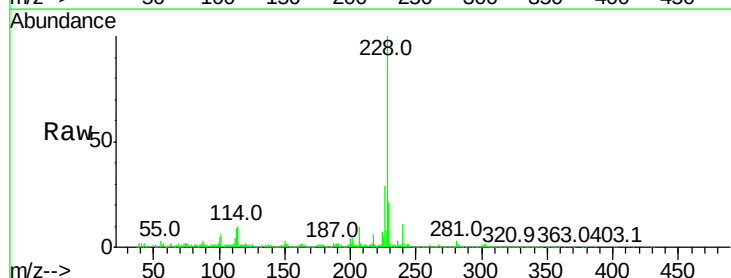
Instrument :
BNA_M
ClientSampleId :

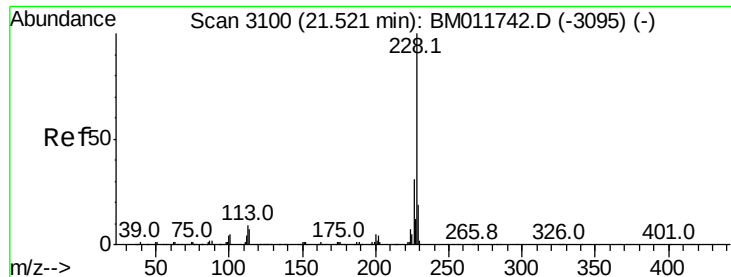
Tot Ion:202 Resp: 1814846
Ion Ratio Lower Upper
202 100
101 11.8 5.1 7.7#
100 9.4 4.9 7.3#



#80
Benzo(a)anthracene
Concen: 13.867 ng/ul
RT: 21.46 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Tgt Ion:228 Resp: 831863
Ion Ratio Lower Upper
228 100
229 21.0 15.4 23.0
226 28.8 21.4 32.0

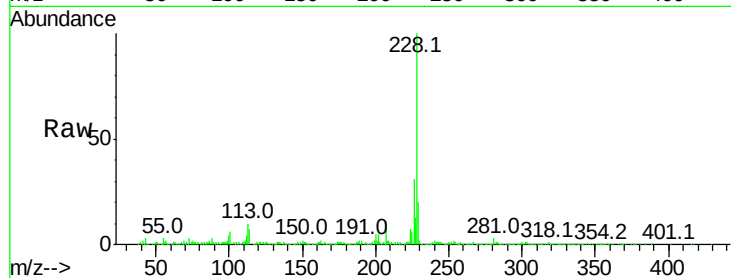




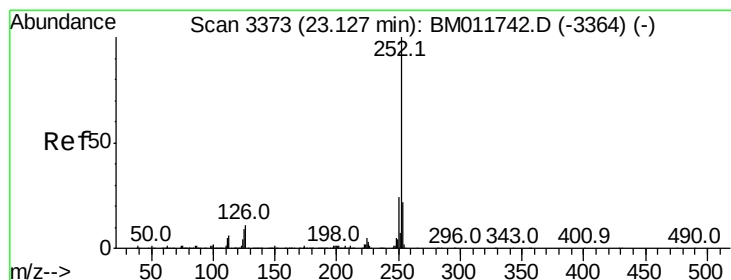
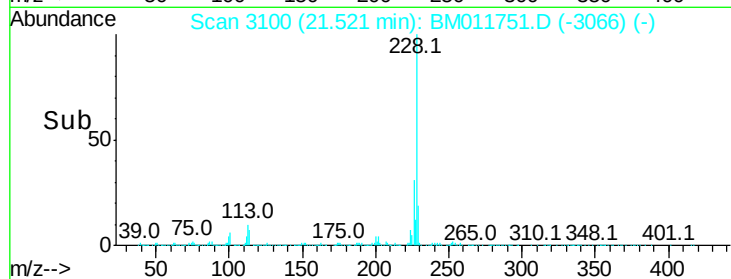
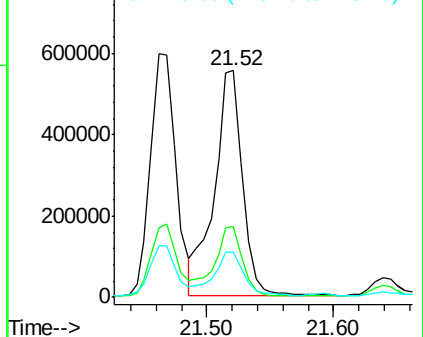
#82
Chrysene
Concen: 15.379 ng/ul
RT: 21.52 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	19.9	15.5	23.3

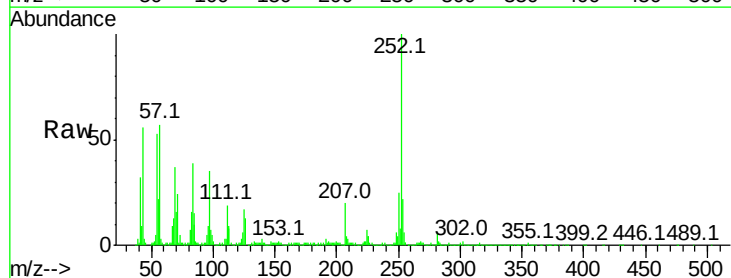


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

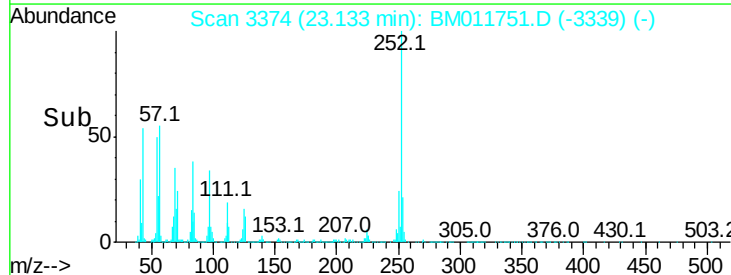
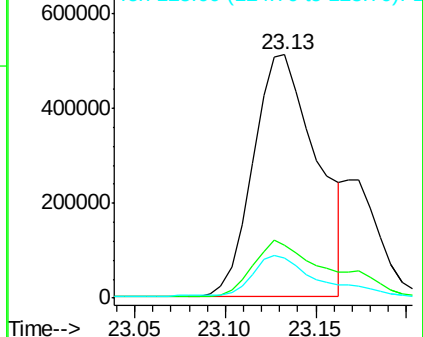


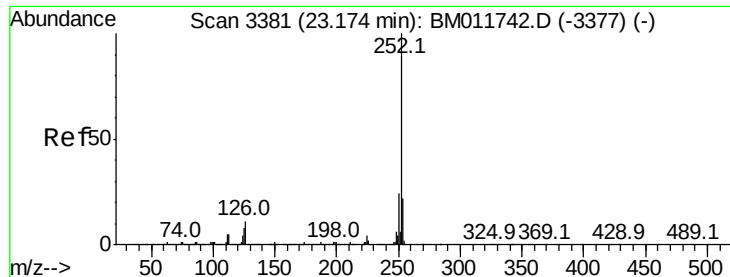
#85
Benzo(b)fluoranthene
Concen: 20.766 ng/ul
RT: 23.13 min Scan# 3374
Delta R.T. 0.01 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	16.5	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

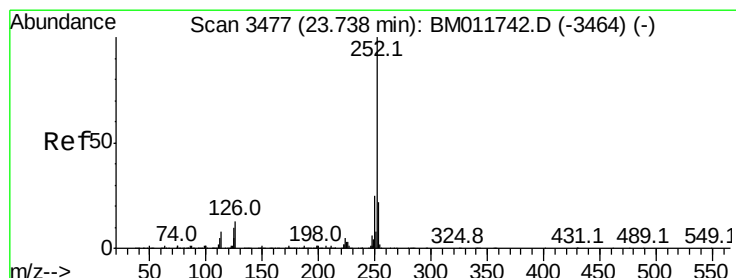
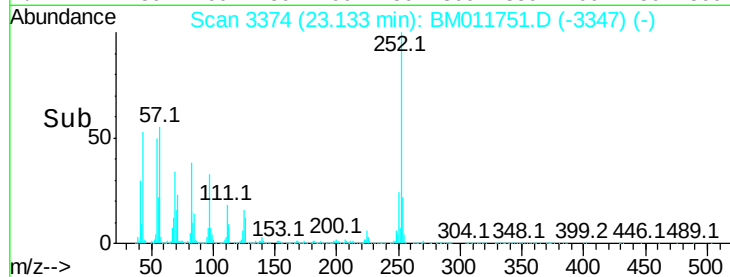
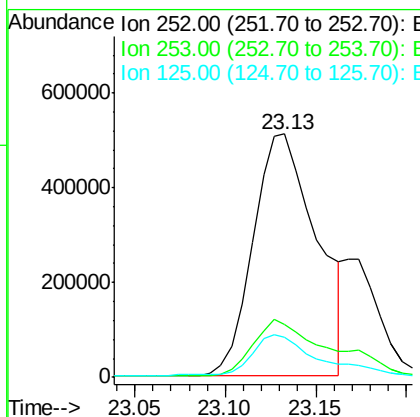
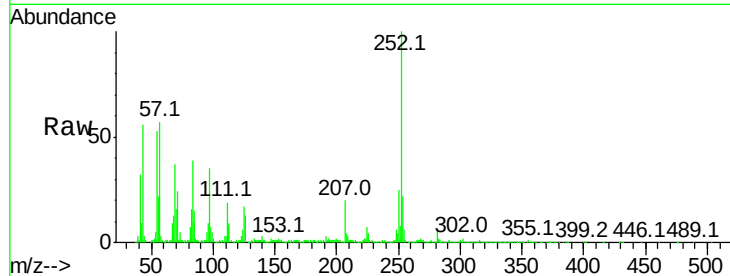




#86
Benzo(k)fluoranthene
Concen: 20.355 ng/ul
RT: 23.13 min Scan# 3374
Delta R.T. -0.04 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

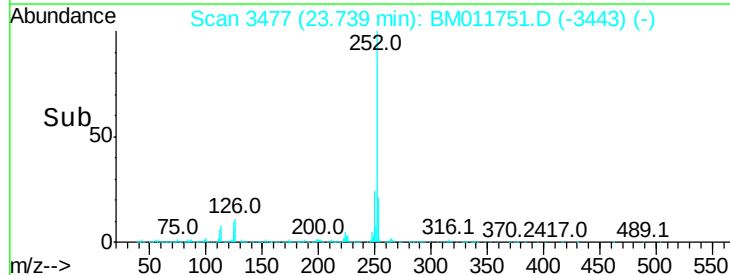
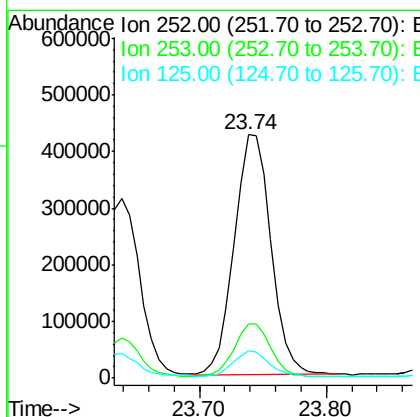
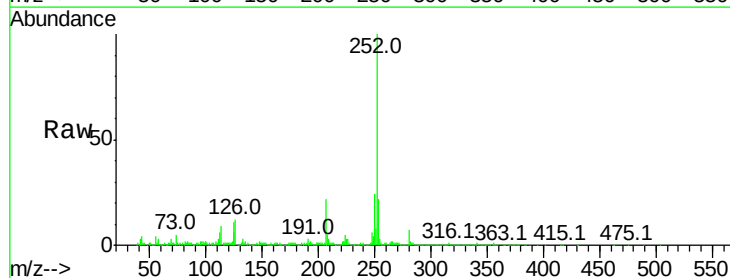
Instrument :
BNA_M
ClientSampleId :

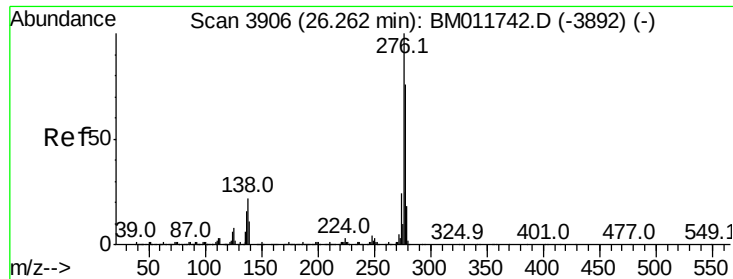
Tot Ion:252 Resp: 1250132
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 16.5 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 14.678 ng/ul
RT: 23.74 min Scan# 3477
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Tgt Ion:252 Resp: 853455
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 11.2 4.0 6.0#



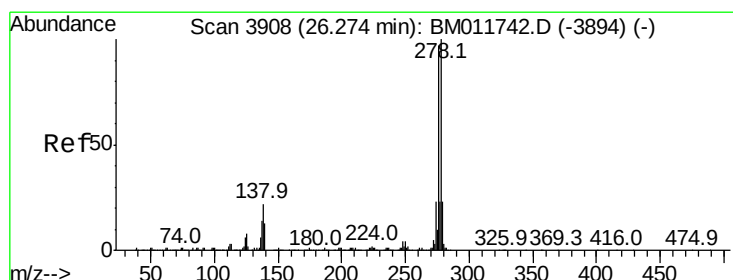
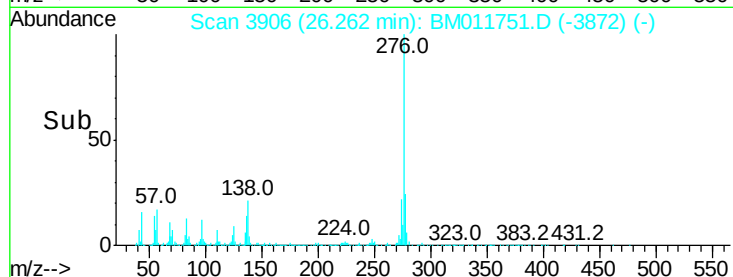
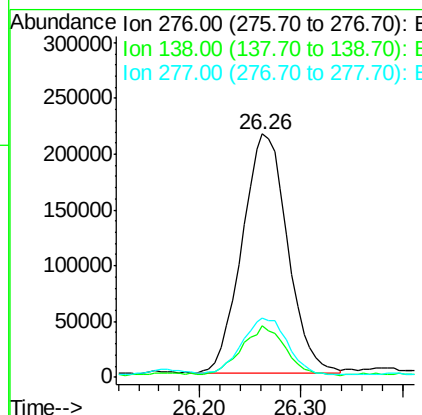
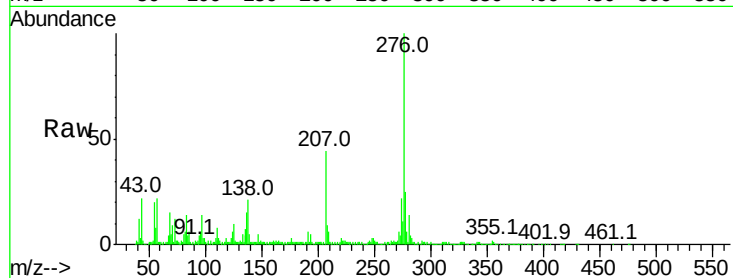


#89

Indeno(1,2,3-cd)pyrene
Concen: 11.048 ng/ul
RT: 26.26 min Scan# 3906
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Instrument :
BNA_M
ClientSampleId :

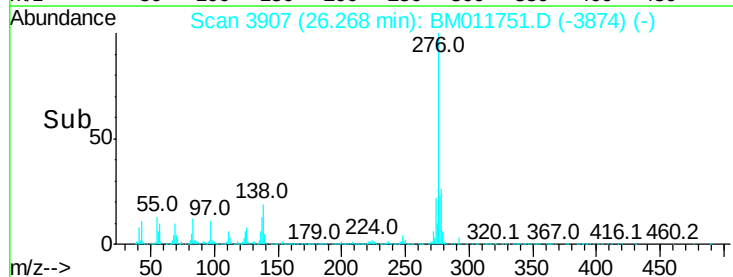
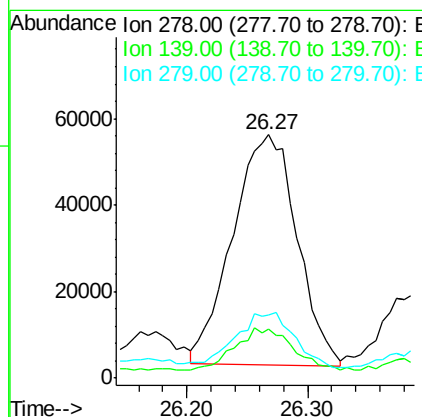
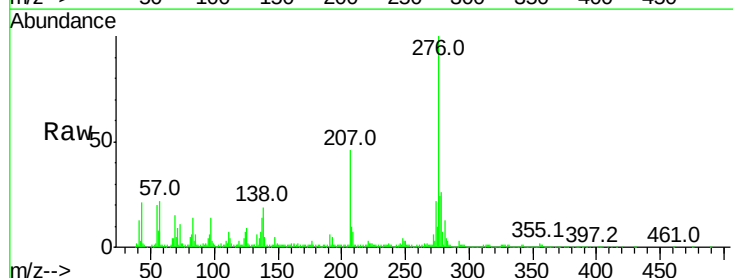
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	9.3	13.9#
277	24.6	19.9	29.9

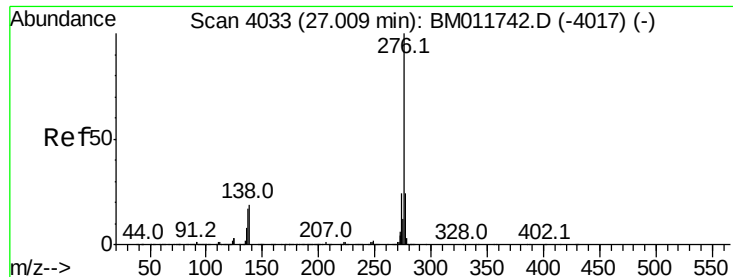


#90

Dibenzo(a,h)anthracene
Concen: 3.896 ng/ul
RT: 26.27 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	5.8	8.8#
279	25.9	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 13.497 ng/ul

RT: 27.01 min Scan# 4033

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

ClientSampleId :

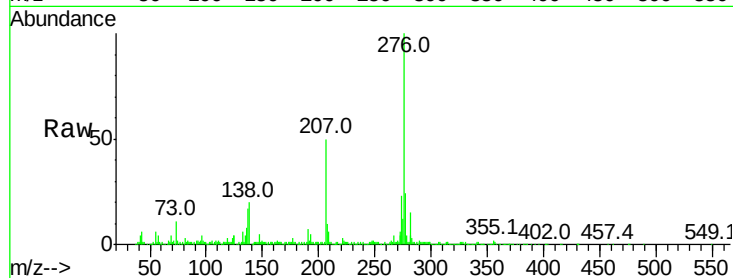
Tot Ion:276 Resp: 678214

Ion Ratio Lower Upper

276 100

138 20.1 8.5 12.7#

277 23.8 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

