

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011755.D
 Acq On : 28 Sep 2017 10:25
 Operator : SJ/JU
 Sample : I5377-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 15:16:36 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	7.94	152	313609	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1357765	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	712881	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1421829	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	1021632	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	990517	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	16620	2.36	ng/uL	0.00
5) Phenol-d5	7.09	99	418958	13.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	314140	14.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	342969	14.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	319641	13.23	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	163784	15.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	176416	15.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	319595	14.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	234354	9.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	964992	15.78	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	1163476	15.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	93335	8.93	ng/ul	0.00
57) Fluorene-d10	15.56	176	788905	14.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	64658	6.71	ng/ul	0.00
70) Anthracene-d10	17.42	188	1122471	15.51	ng/ul	0.00
76) Pyrene-d10	19.70	212	1044168	21.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	735731	15.51	ng/ul	0.00

Target Compounds

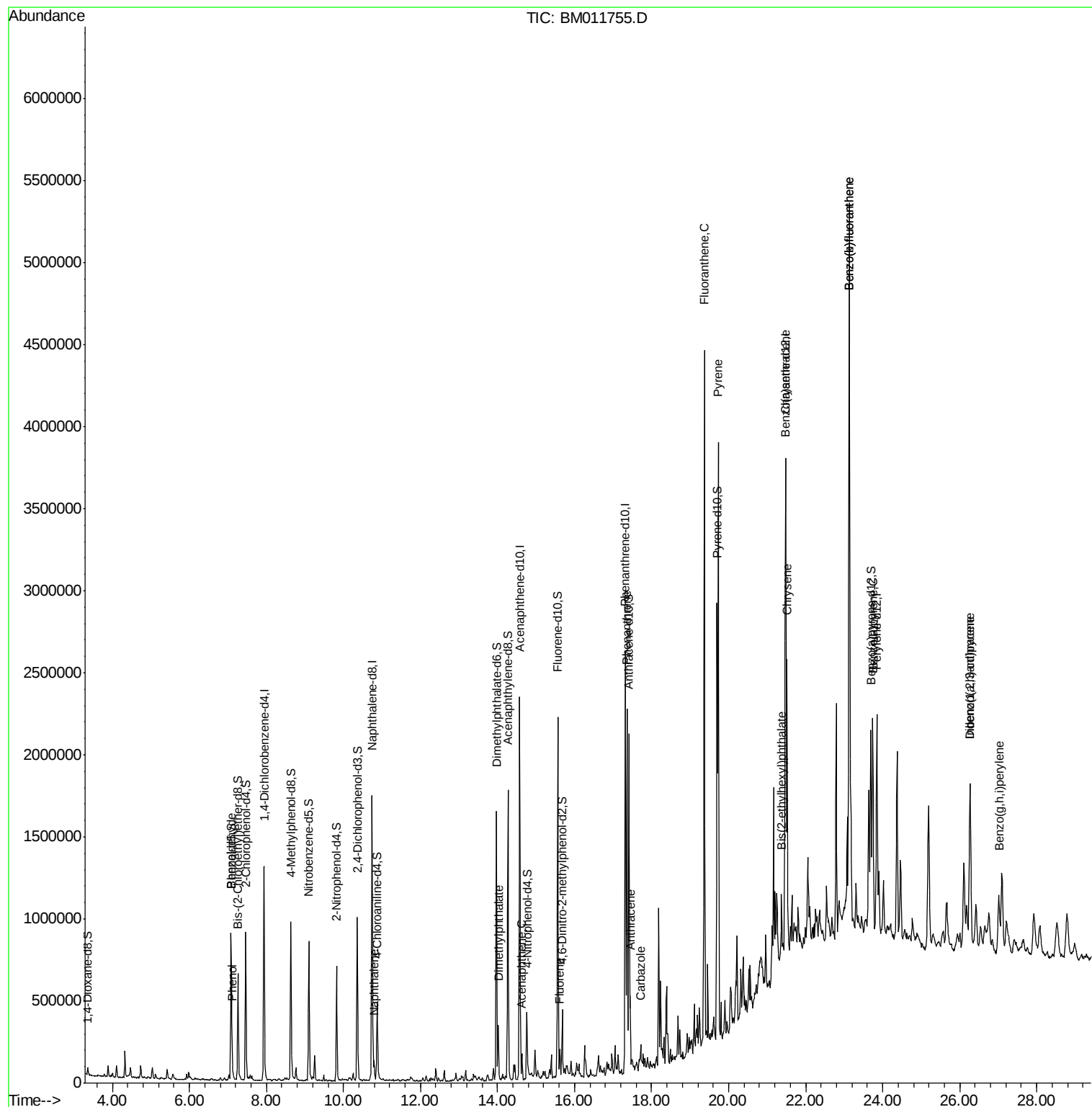
					Ovalue	
4) Benzaldehyde	7.08	77	15676	1.036	ng/ul#	82
6) Phenol	7.12	94	31333	1.004	ng/ul	93
28) Naphthalene	10.79	128	83737	1.180	ng/ul#	94
44) Dimethylphthalate	14.02	163	173586	2.968	ng/ul	99
49) Acenaphthene	14.64	153	62762	1.242	ng/ul	94
58) Fluorene	15.62	166	62184	1.058	ng/ul	95
69) Phenanthrene	17.36	178	1210414	15.211	ng/ul	97
71) Anthracene	17.44	178	260617	3.179	ng/ul	98
72) Carbazole	17.72	167	82800	1.153	ng/ul#	91
74) Fluoranthene	19.37	202	2355469	24.243	ng/ul#	91
77) Pyrene	19.73	202	2243844	36.856	ng/ul#	90
80) Benzo(a)anthracene	21.47	228	1013306	17.728	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.37	149	92929	2.447	ng/ul#	96
82) Chrysene	21.52	228	988835	18.343	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	1392748	23.831	ng/ul#	93
86) Benzo(k)fluoranthene	23.13	252	1392748	23.361	ng/ul#	91
88) Benzo(a)pyrene	23.74	252	960768	17.021	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.27	276	714394	12.156	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.27	278	193710	3.936	ng/ul#	87
91) Benzo(g,h,i)perylene	27.01	276	463311	9.498	ng/ul#	92

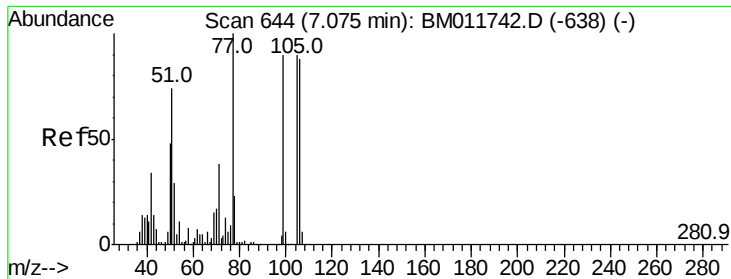
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 28 05:09:12 2017
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.036 ng/ul

RT: 7.08 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

Instrument :

BNA_M

ClientSampled :

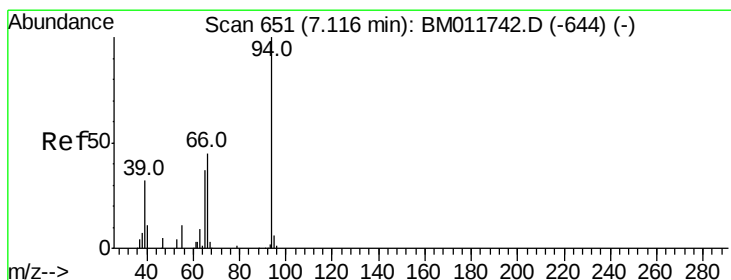
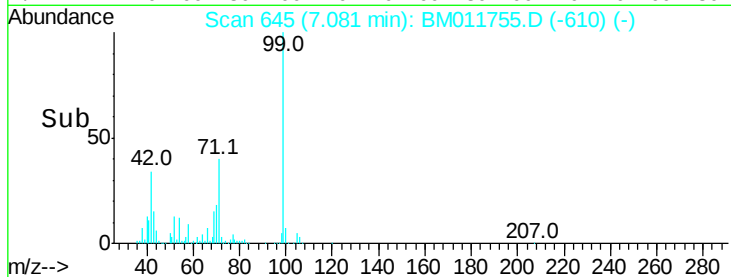
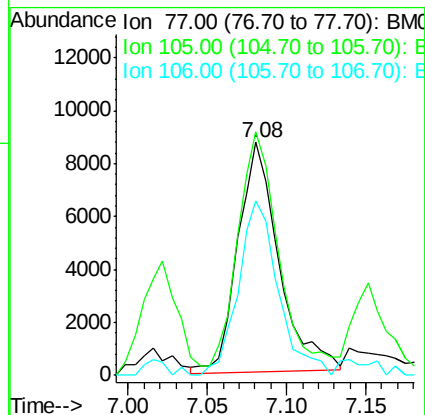
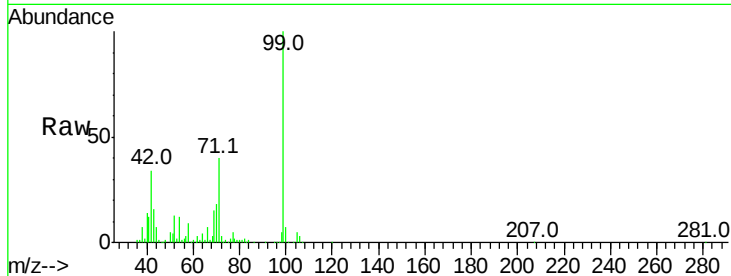
Tot Ion: 77 Resp: 15676

Ion Ratio Lower Upper

77 100

105 104.4 66.1 99.1#

106 74.6 67.8 101.6



#6

Phenol

Concen: 1.004 ng/ul

RT: 7.12 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

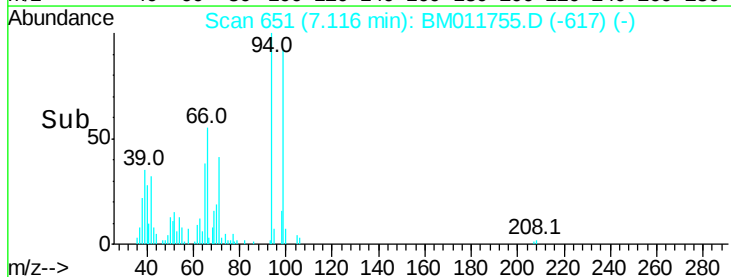
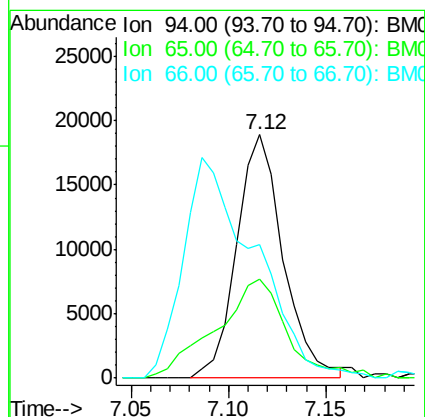
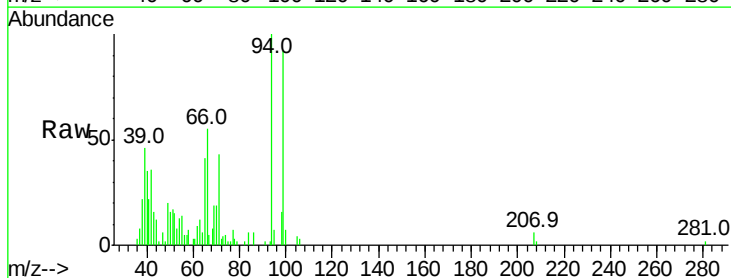
Tgt Ion: 94 Resp: 31333

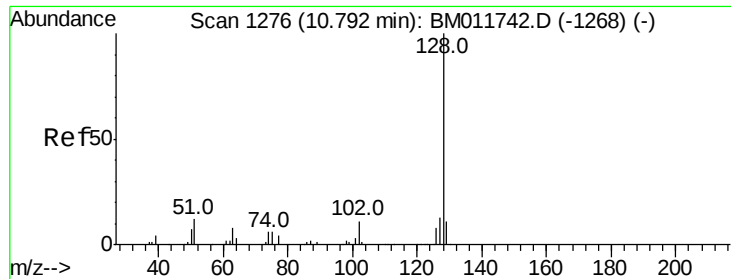
Ion Ratio Lower Upper

94 100

65 40.8 28.2 42.4

66 55.1 47.2 70.8

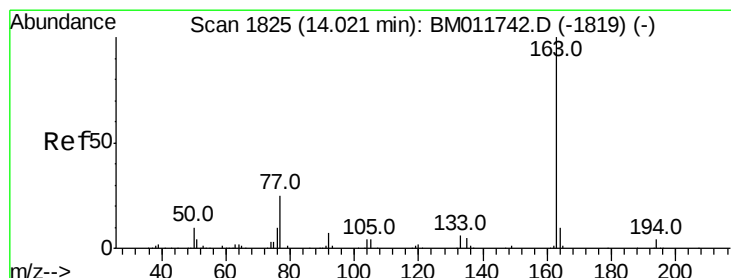
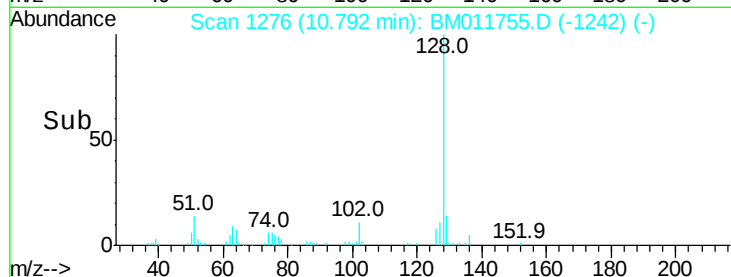
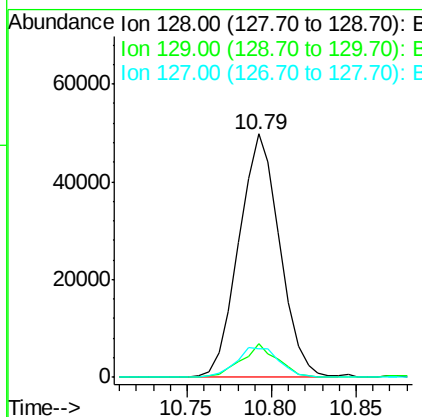
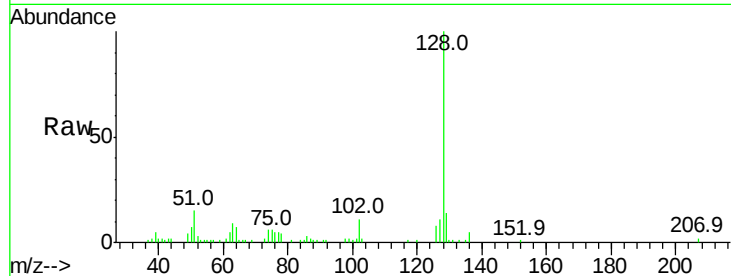




#28
Naphthalene
Concen: 1.180 ng/ul
RT: 10.79 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BM011755.D
Acq: 28 Sep 2017 10:25

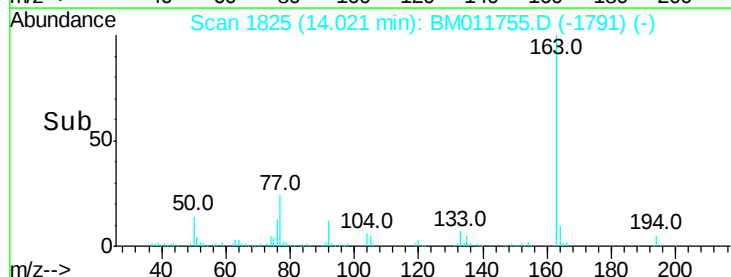
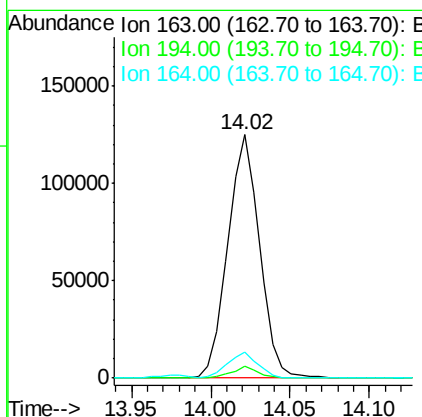
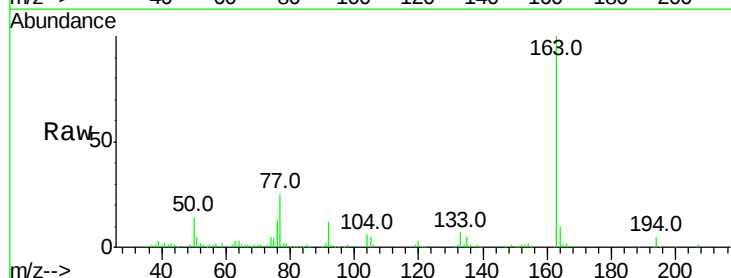
Instrument :
BNA_M
ClientSampleId :

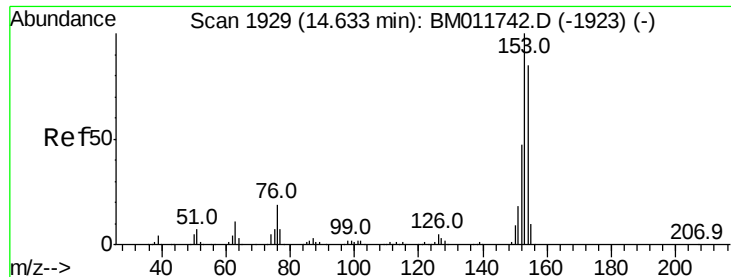
Tot Ion:128 Resp: 83737
Ion Ratio Lower Upper
128 100
129 13.9 8.8 13.2#
127 11.5 10.6 16.0



#44
Dimethylphthalate
Concen: 2.968 ng/ul
RT: 14.02 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BM011755.D
Acq: 28 Sep 2017 10:25

Tgt Ion:163 Resp: 173586
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.5 8.2 12.4





#49

Acenaphthene

Concen: 1.242 ng/ul

RT: 14.64 min Scan# 1930

Delta R.T. 0.01 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

Instrument :

BNA_M

ClientSampleId :

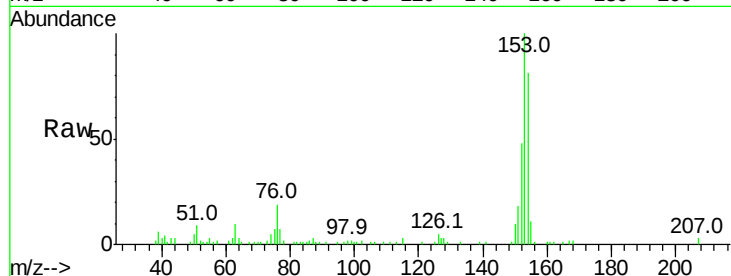
Tot Ion:153 Resp: 62762

Ion Ratio Lower Upper

153 100

152 47.8 37.6 56.4

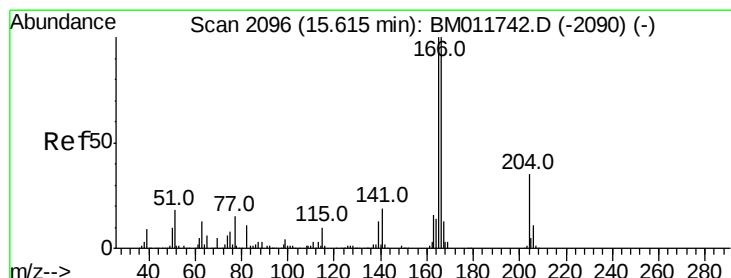
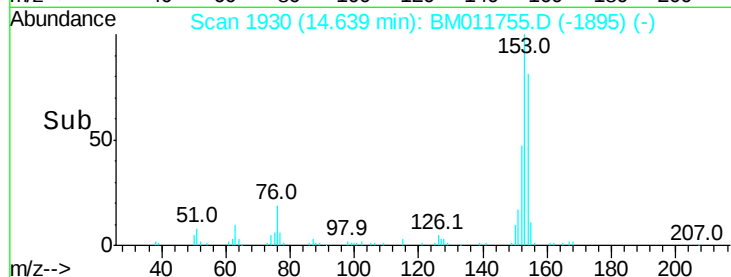
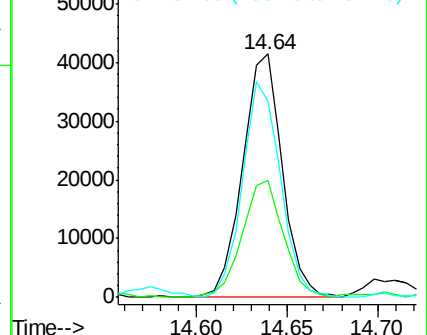
154 80.7 70.4 105.6



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



#58

Fluorene

Concen: 1.058 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

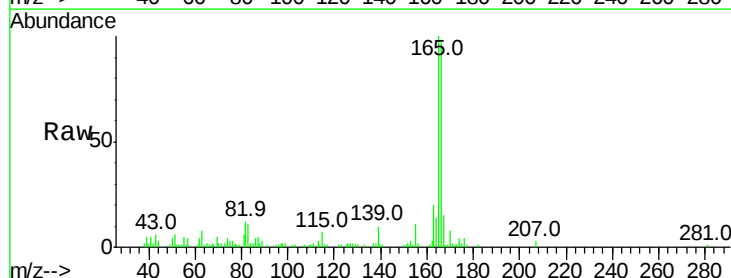
Tgt Ion:166 Resp: 62184

Ion Ratio Lower Upper

166 100

165 102.7 77.9 116.9

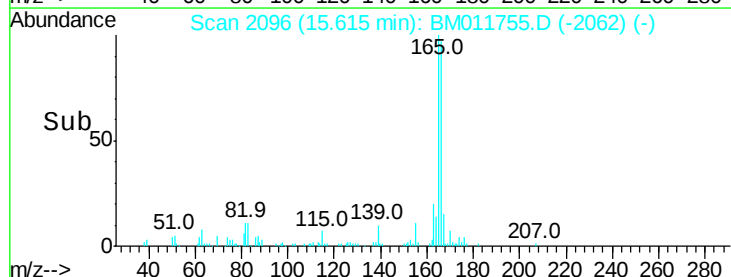
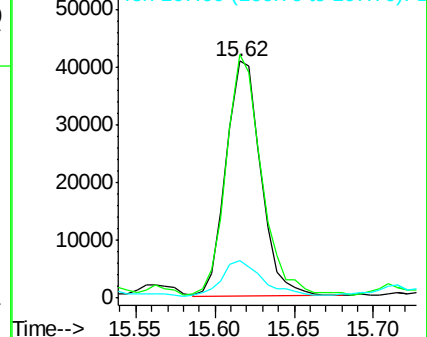
167 15.8 10.6 16.0

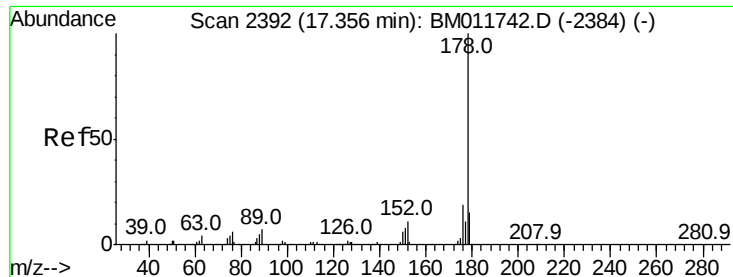


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.211 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

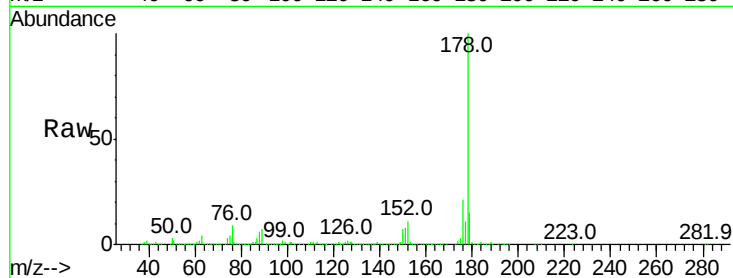
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1210414

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	20.5	14.9	22.3

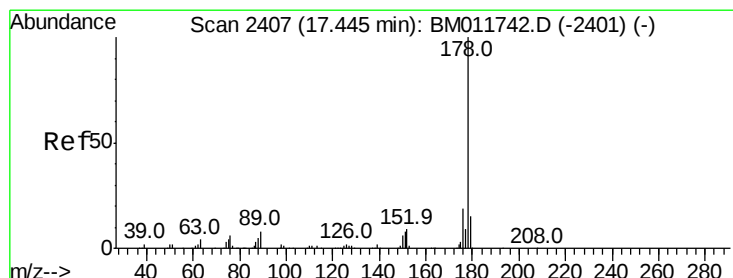
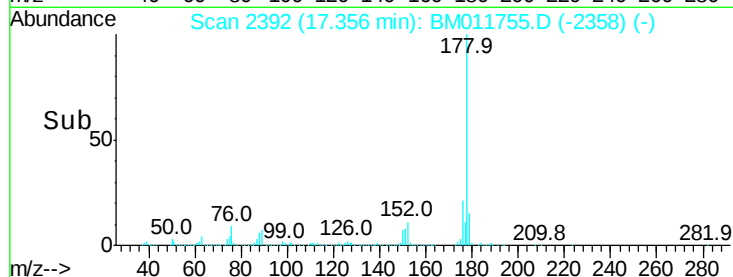
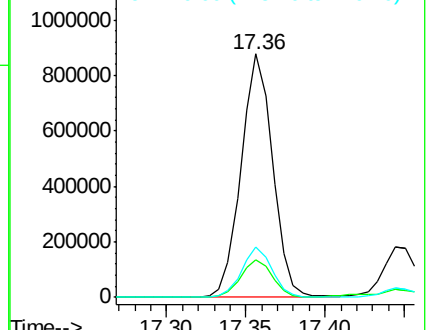


Abundance

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: 3.179 ng/ul

RT: 17.44 min Scan# 2407

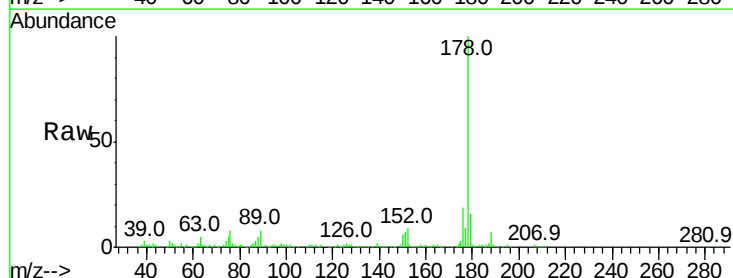
Delta R.T. -0.00 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

Tgt Ion:178 Resp: 260617

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.8	14.6	21.8

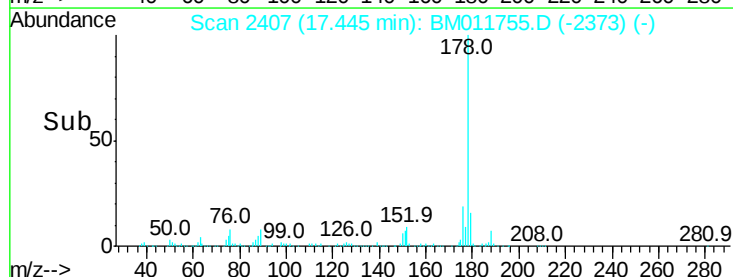
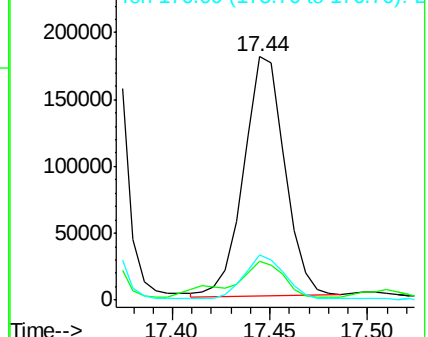


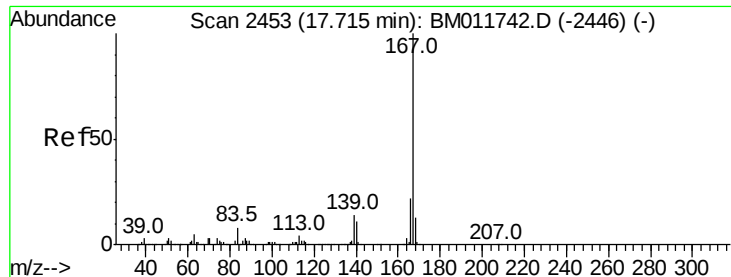
Abundance

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: 1.153 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

Instrument :

BNA_M

ClientSampleId :

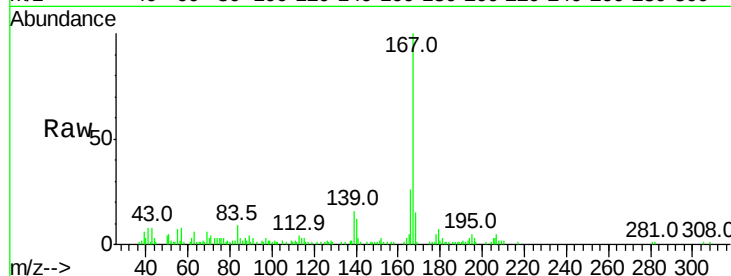
Tot Ion:167 Resp: 82800

Ion Ratio Lower Upper

167 100

166 25.6 17.1 25.7

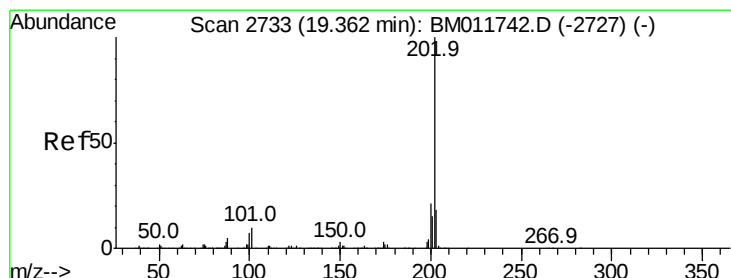
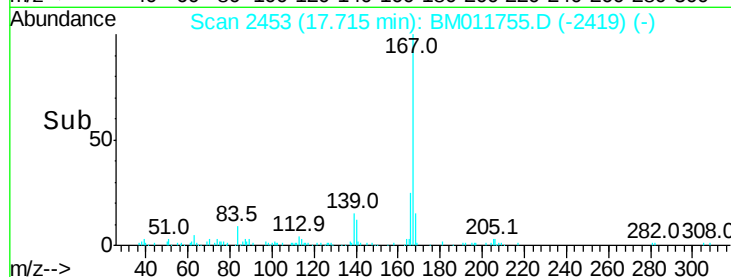
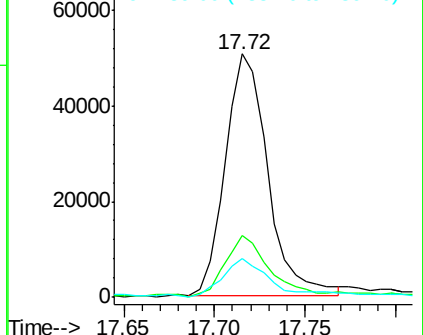
139 15.7 10.0 15.0#



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: 24.243 ng/ul

RT: 19.37 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

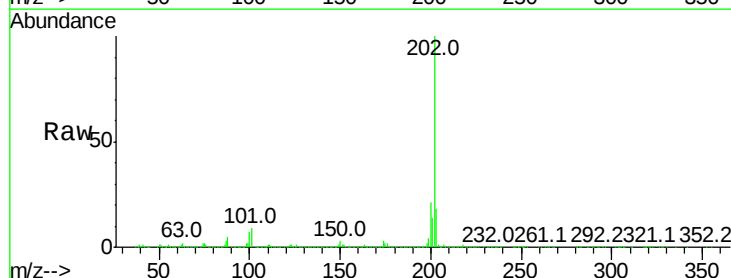
Tgt Ion:202 Resp: 2355469

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

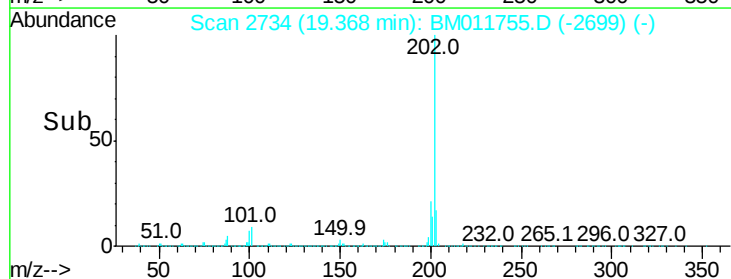
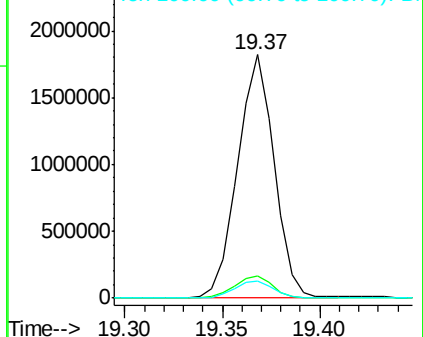
100 7.2 3.4 5.2#

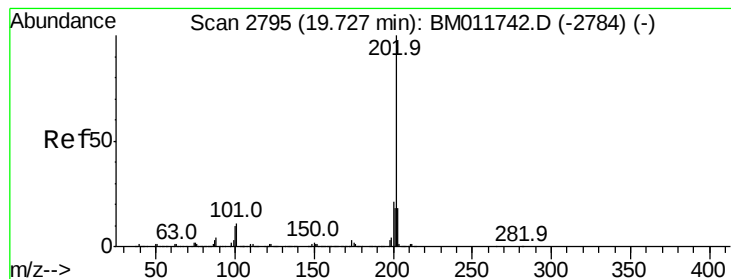


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 36.856 ng/ul

RT: 19.73 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

Instrument :

BNA_M

ClientSampleId :

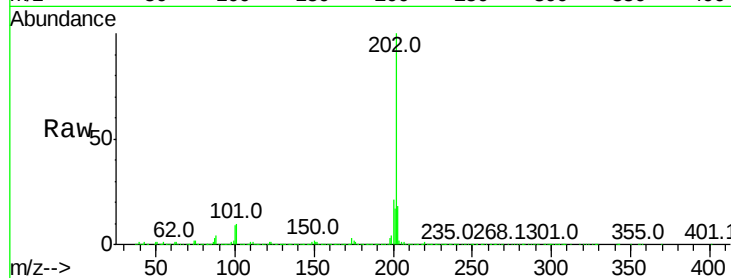
Tot Ion:202 Resp: 2243844

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

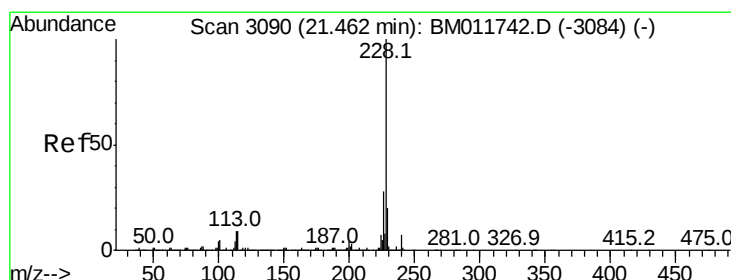
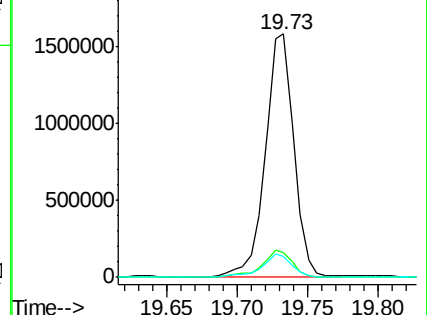
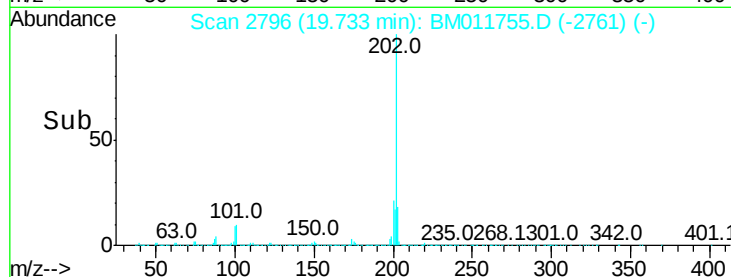
100 8.8 4.9 7.3#



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): E



#80

Benzo(a)anthracene

Concen: 17.728 ng/ul

RT: 21.47 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

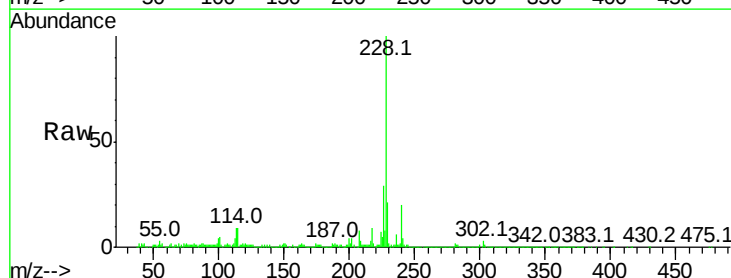
Tgt Ion:228 Resp: 1013306

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

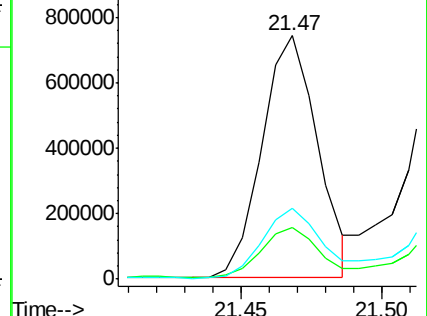
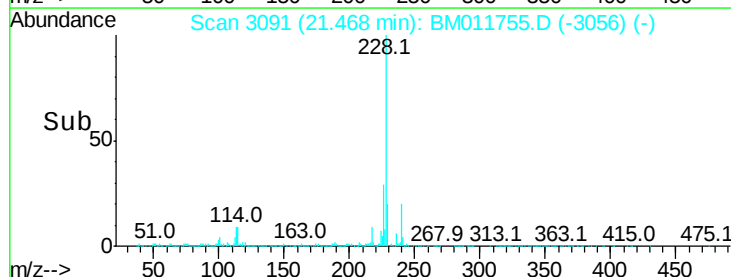
226 29.3 21.4 32.0

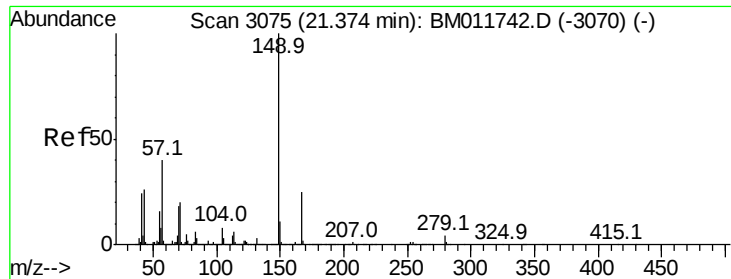


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

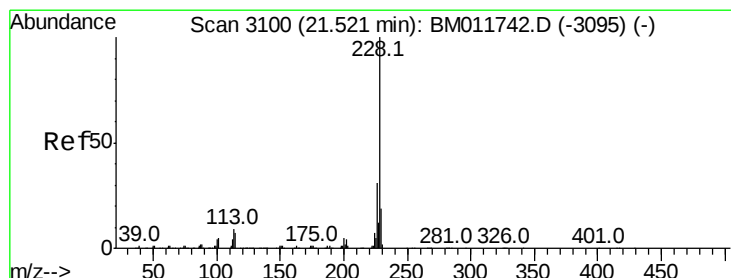
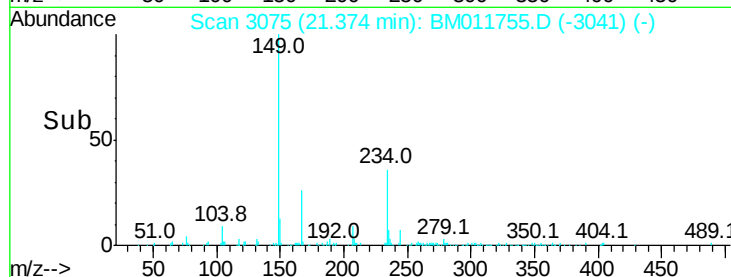
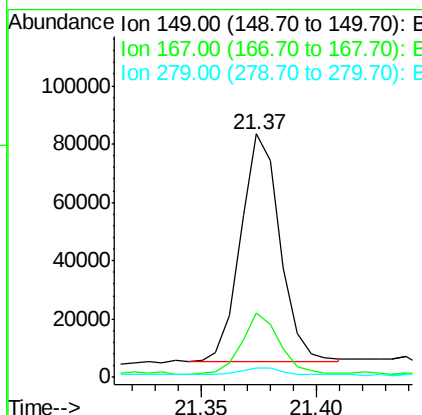
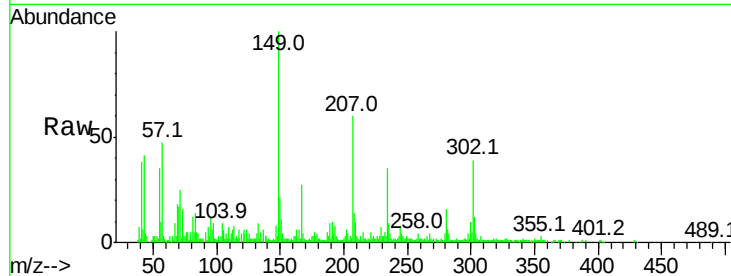




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.447 ng/ul
 RT: 21.37 min Scan# 3075
 Delta R.T. -0.00 min
 Lab File: BM011755.D
 Acq: 28 Sep 2017 10:25

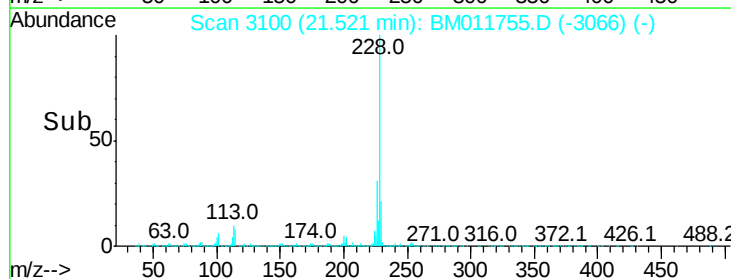
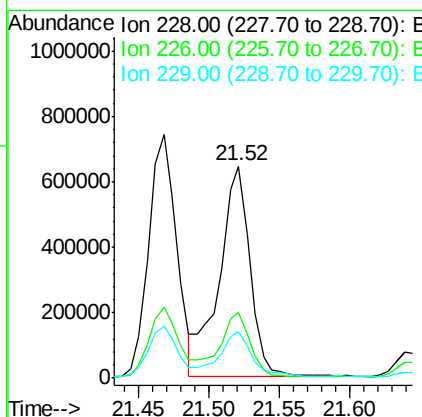
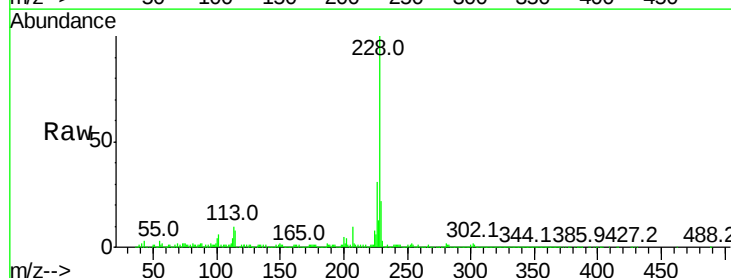
Instrument :
 BNA_M
 ClientSampleId :

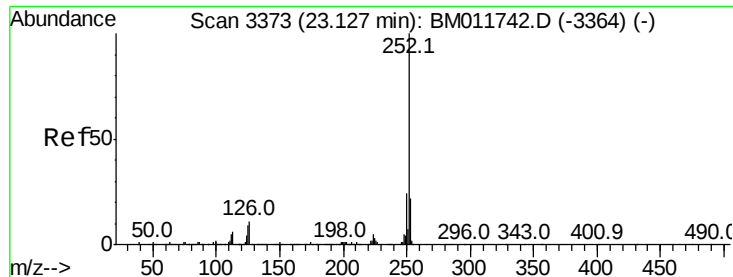
Tot Ion:149 Resp: 92929
 Ion Ratio Lower Upper
 149 100
 167 26.7 22.8 34.2
 279 3.8 4.9 7.3#



#82
 Chrysene
 Concen: 18.343 ng/ul
 RT: 21.52 min Scan# 3100
 Delta R.T. -0.00 min
 Lab File: BM011755.D
 Acq: 28 Sep 2017 10:25

Tgt Ion:228 Resp: 988835
 Ion Ratio Lower Upper
 228 100
 226 31.2 23.4 35.2
 229 21.7 15.5 23.3

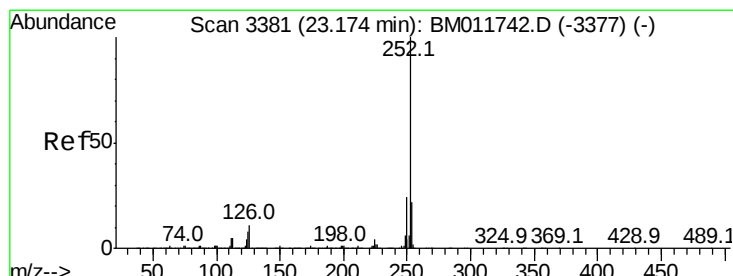
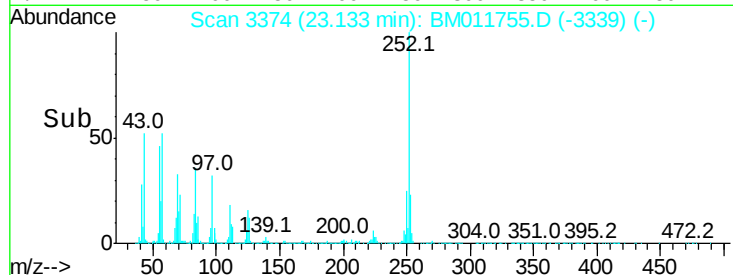
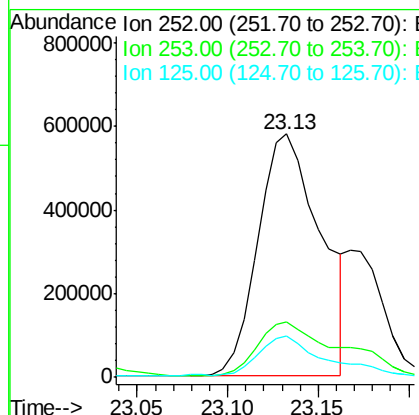
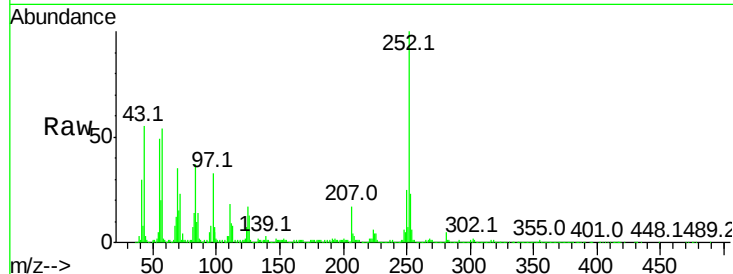




#85
Benzo(b)fluoranthene
Concen: 23.831 ng/ul
RT: 23.13 min Scan# 3374
Delta R.T. 0.01 min
Lab File: BM011755.D
Acq: 28 Sep 2017 10:25

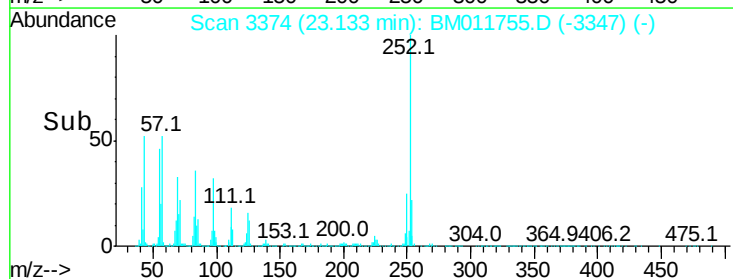
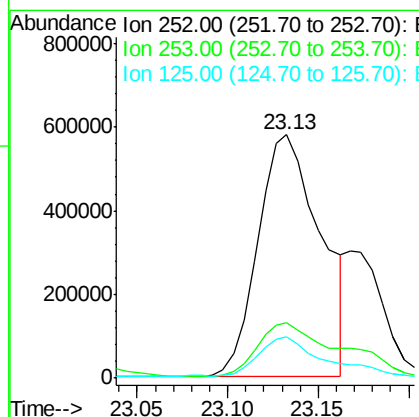
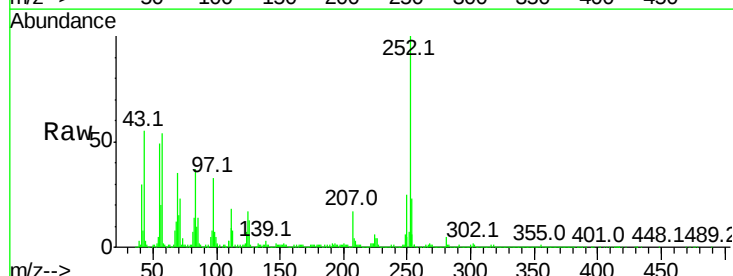
Instrument :
BNA_M
ClientSampleId :

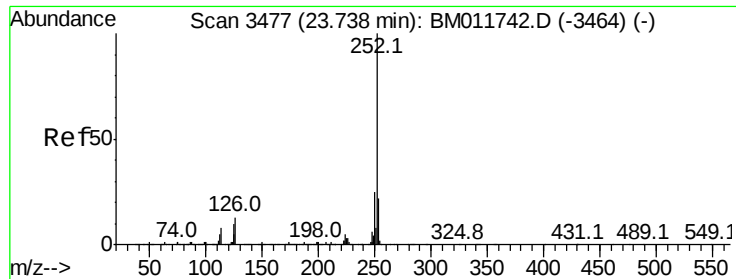
Tot Ion:252 Resp: 1392748
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 16.7 3.6 5.4#



#86
Benzo(k)fluoranthene
Concen: 23.361 ng/ul
RT: 23.13 min Scan# 3374
Delta R.T. -0.04 min
Lab File: BM011755.D
Acq: 28 Sep 2017 10:25

Tgt Ion:252 Resp: 1392748
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 16.7 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 17.021 ng/ul

RT: 23.74 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

Instrument :

BNA_M

ClientSampleId :

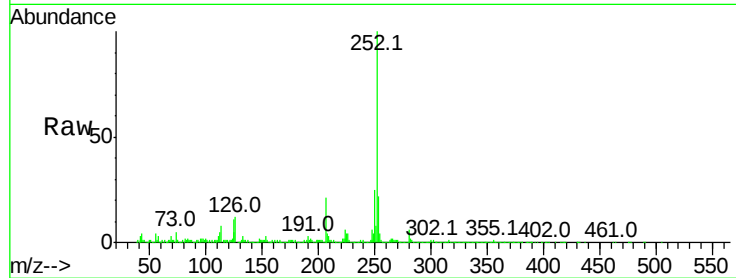
Tot Ion:252 Resp: 960768

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

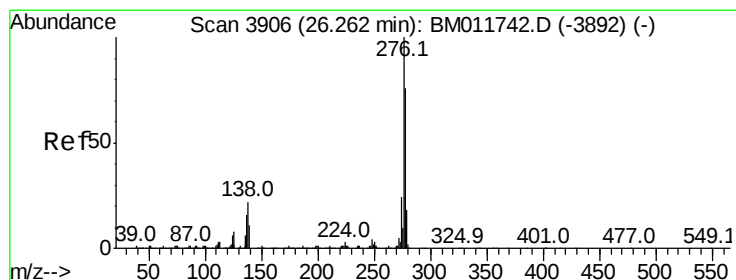
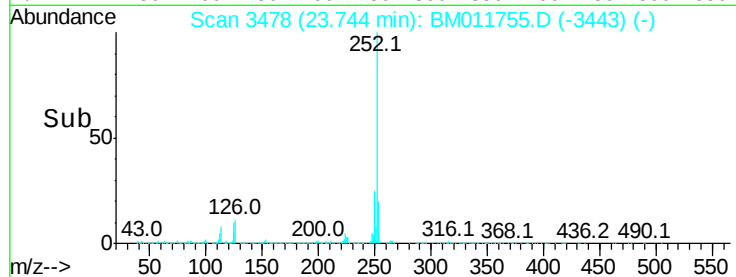
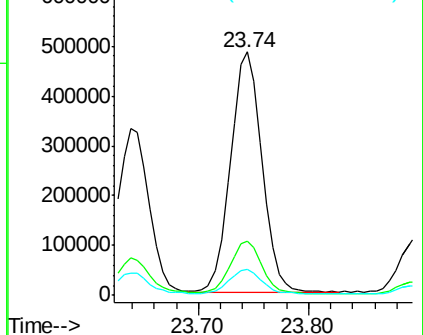
125 10.7 4.0 6.0#



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: 12.156 ng/ul

RT: 26.27 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM011755.D

Acq: 28 Sep 2017 10:25

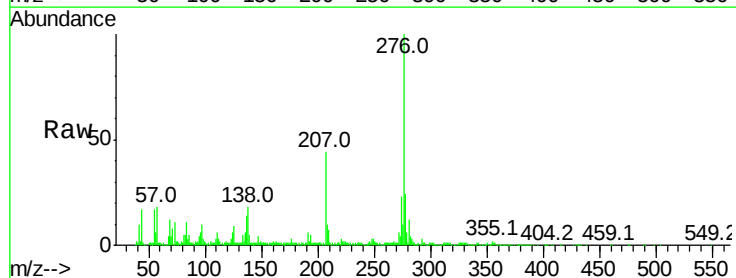
Tgt Ion:276 Resp: 714394

Ion Ratio Lower Upper

276 100

138 18.5 9.3 13.9#

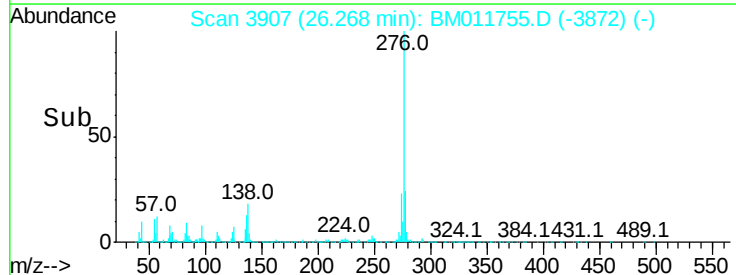
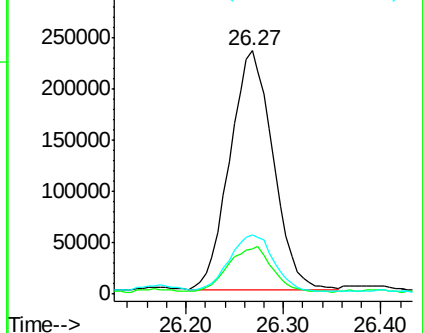
277 24.4 19.9 29.9

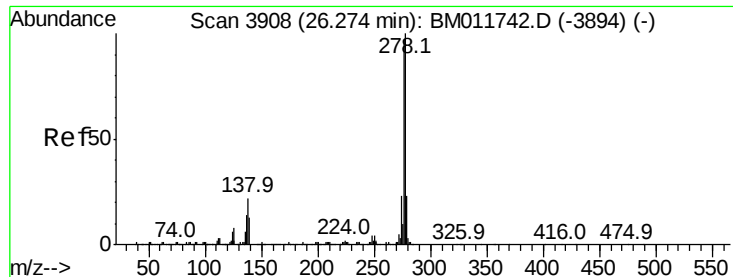


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



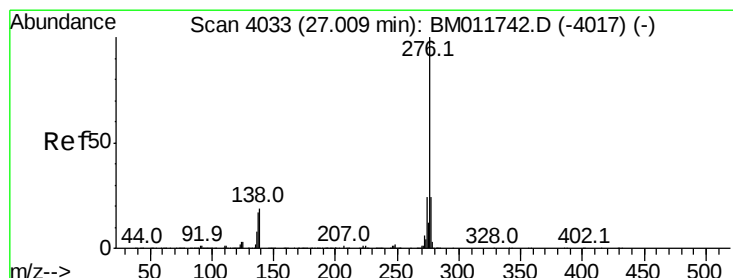
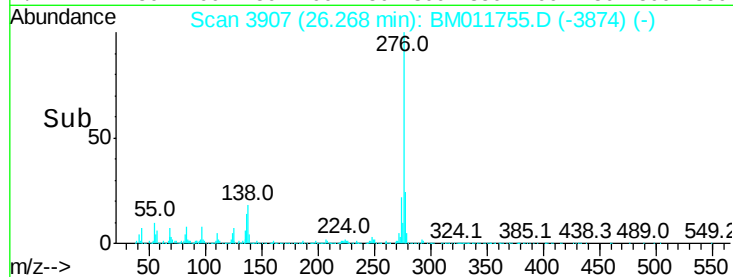
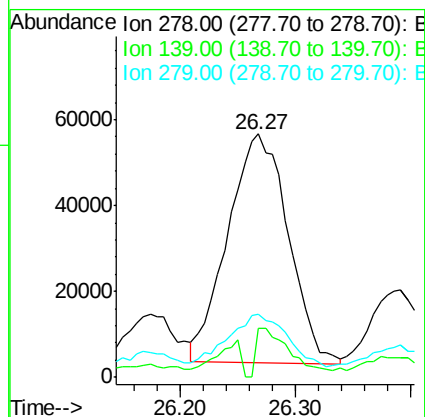
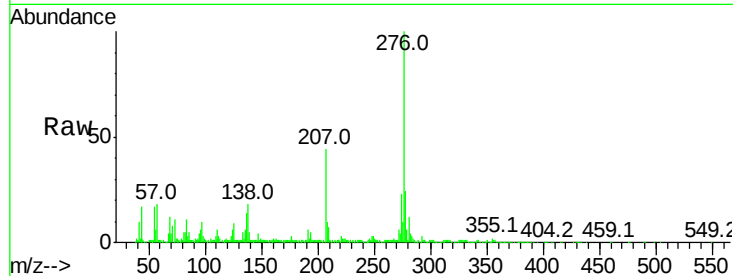


#90

Dibenzo(a,h)anthracene
Concen: 3.936 ng/ul
RT: 26.27 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM011755.D
Acq: 28 Sep 2017 10:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 193710
Ion Ratio Lower Upper
278 100
139 20.0 5.8 8.8#
279 25.9 18.6 27.8



#91

Benzo(g,h,i)perylene
Concen: 9.498 ng/ul
RT: 27.01 min Scan# 4034
Delta R.T. 0.01 min
Lab File: BM011755.D
Acq: 28 Sep 2017 10:25

Tgt Ion:276 Resp: 463311
Ion Ratio Lower Upper
276 100
138 19.1 8.5 12.7#
277 24.3 18.6 28.0

