

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012125.D
 Acq On : 13 Oct 2017 07:04
 Operator : SJ/JU
 Sample : I5533-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 08:09:22 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	222200	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	837765	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	453726	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.26	188	980782	20.00	ng/ul	0.03
75) Chrysene-d12	21.44	240	1455719	20.00	ng/ul	0.04
83) Perylene-d12	23.64	264	2507928	20.00	ng/ul	-0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	27776	5.94	ng/uL	0.01
5) Phenol-d5	7.03	99	487315	27.03	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.17	67	332981	30.80	ng/ul	0.02
9) 2-Chlorophenol-d4	7.38	132	456329	29.84	ng/ul	0.02
13) 4-Methylphenol-d8	8.57	113	358750	23.11	ng/ul	0.03
19) Nitrobenzene-d5	9.02	128	214893	33.61	ng/ul	0.02
22) 2-Nitrophenol-d4	9.75	143	219698	29.41	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.29	165	434554	30.47	ng/ul	0.03
29) 4-Chloroaniline-d4	10.80	131	289478	21.69	ng/ul	0.03
43) Dimethylphthalate-d6	13.91	166	1332355	33.22	ng/ul	0.02
46) Acenaphthylene-d8	14.20	160	1669139	34.38	ng/ul	0.02
51) 4-Nitrophenol-d4	14.74	143	131122	21.75	ng/ul	0.05
57) Fluorene-d10	15.50	176	1111108	33.76	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.66	200	33525	4.98	ng/ul	0.05
70) Anthracene-d10	17.36	188	1711100	35.28	ng/ul	0.04
76) Pyrene-d10	19.66	212	2096171	28.37	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.64	264	2444958	20.22	ng/ul	0.07

Target Compounds

					Ovalue	
6) Phenol	7.06	94	52472	2.815	ng/ul#	85
8) Bis(2-Chloroethyl)ether	7.20	93	18503	1.303	ng/ul#	38
28) Naphthalene	10.71	128	60754	1.402	ng/ul	98
42) 2-Nitroaniline	13.60	65	10326	1.235	ng/ul	87
44) Dimethylphthalate	13.96	163	314618	7.831	ng/ul	98
47) Acenaphthylene	14.23	152	860237	18.047	ng/ul	99
49) Acenaphthene	14.57	153	112609	3.507	ng/ul	97
53) Dibenzofuran	14.90	168	54407	1.177	ng/ul	97
58) Fluorene	15.56	166	111040	2.892	ng/ul	96
69) Phenanthrene	17.30	178	2907227	52.106	ng/ul	99
71) Anthracene	17.39	178	882704	15.282	ng/ul	98
72) Carbazole	17.66	167	225168	4.606	ng/ul	97
74) Fluoranthene	19.32	202	9316691	138.368	ng/ul#	90
77) Pyrene	19.69	202	10063205	104.675	ng/ul#	88
80) Benzo(a)anthracene	21.43	228	7360270	77.703	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.32	149	503259	7.837	ng/ul#	95
82) Chrysene	21.48	228	6922689	77.843	ng/ul	94
85) Benzo(b)fluoranthene	23.09	252	9127337	55.769	ng/ul#	96
86) Benzo(k)fluoranthene	23.09	252	9127337	57.871	ng/ul#	94
88) Benzo(a)pyrene	23.59	252	4620615	29.954	ng/ul#	95
90) Dibenz(a,h)anthracene	25.97	278	228741	1.661	ng/ul#	56

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QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

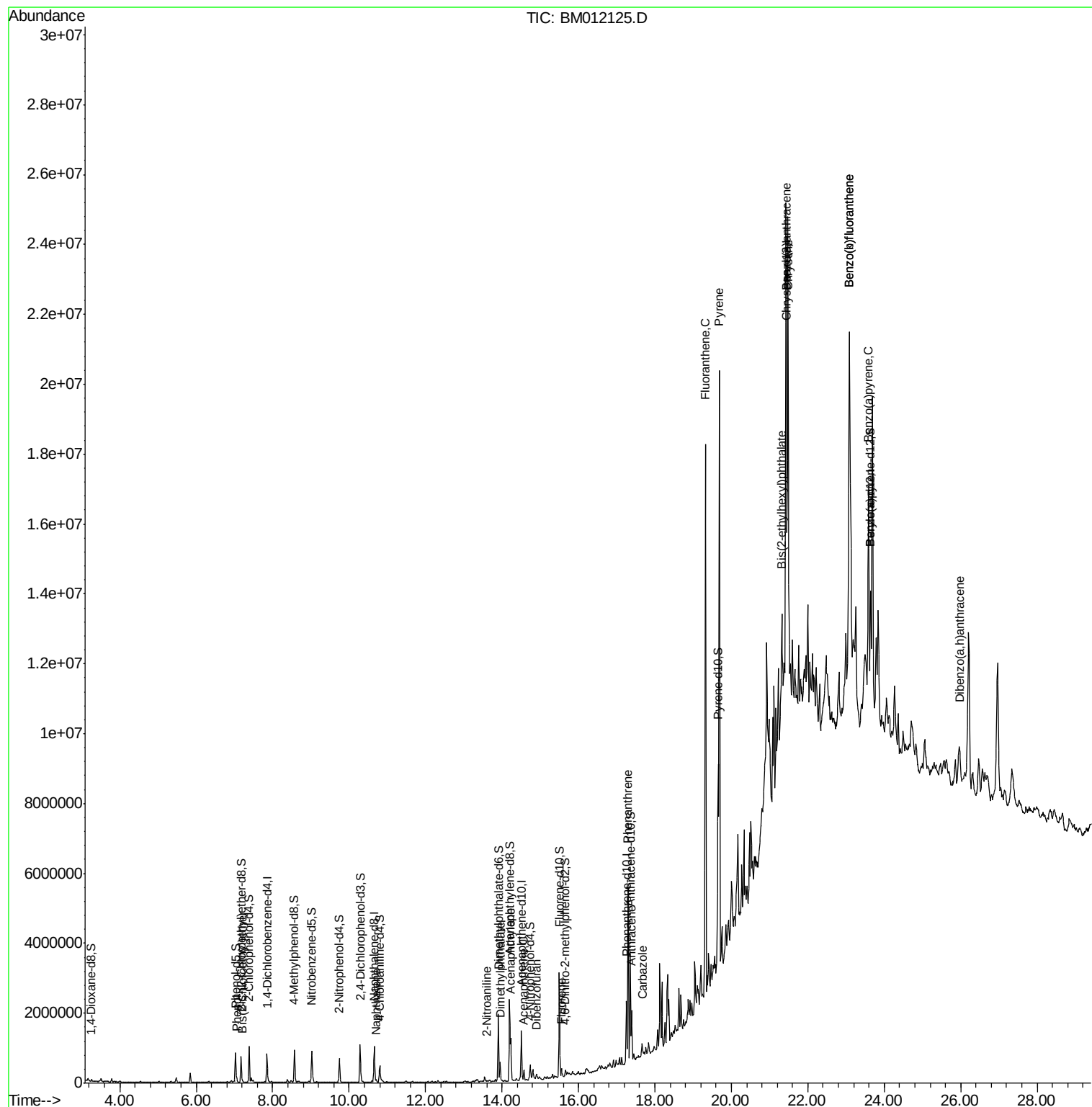
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

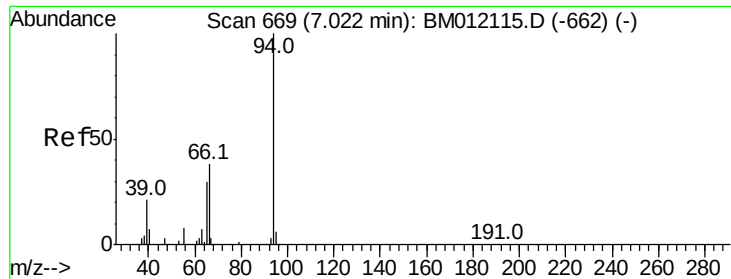
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#6

Phenol

Concen: 2.815 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

ClientSampleId :

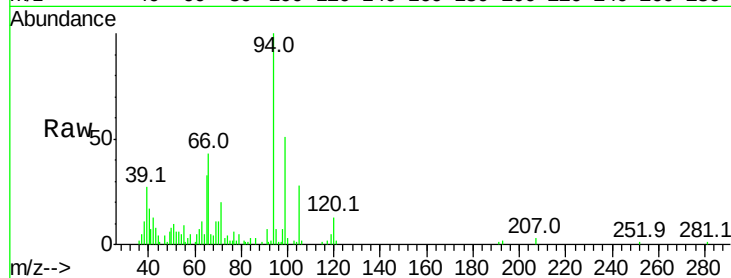
Tot Ion: 94 Resp: 52472

Ion Ratio Lower Upper

94 100

65 33.1 28.2 42.4

66 43.1 47.2 70.8#

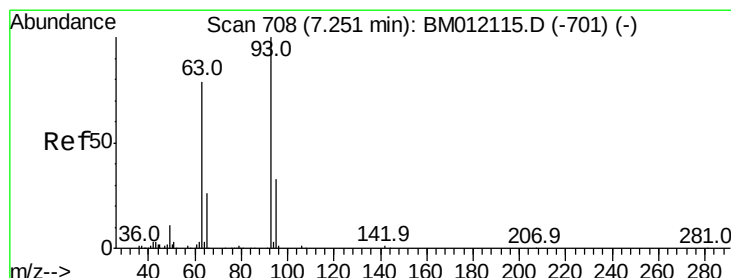
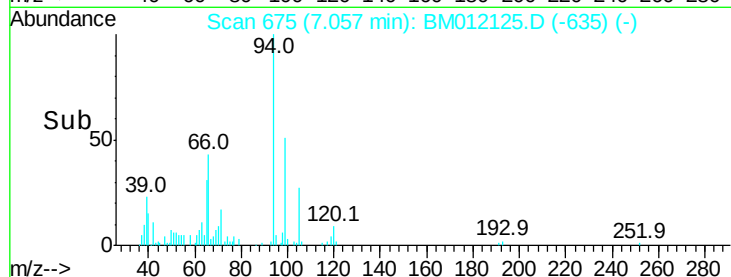
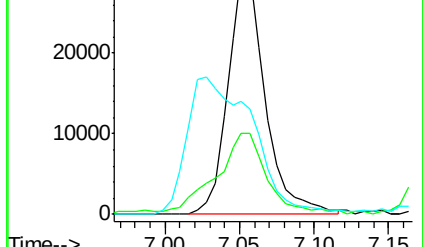


Abundance Ion 94.00 (93.70 to 94.70): BM012125.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM012125.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM012125.D (-662) (-)

Time-->



#8

Bis(2-Chloroethyl)ether

Concen: 1.303 ng/ul

RT: 7.20 min Scan# 700

Delta R.T. -0.05 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

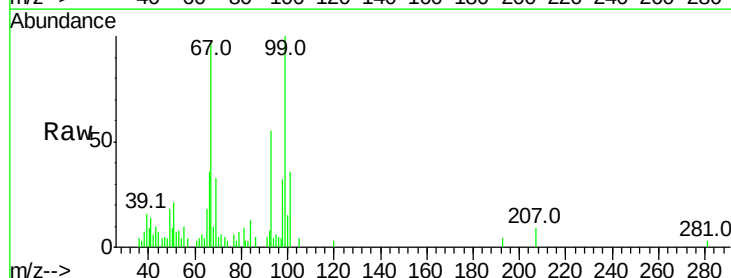
Tgt Ion: 93 Resp: 18503

Ion Ratio Lower Upper

93 100

63 11.5 57.3 85.9#

95 10.4 26.6 39.8#

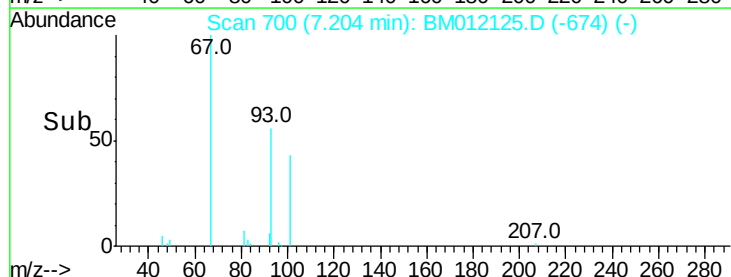
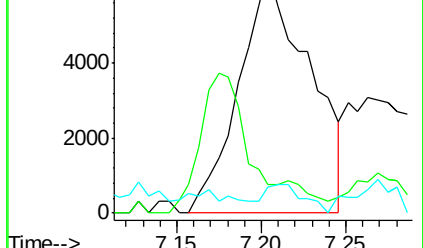


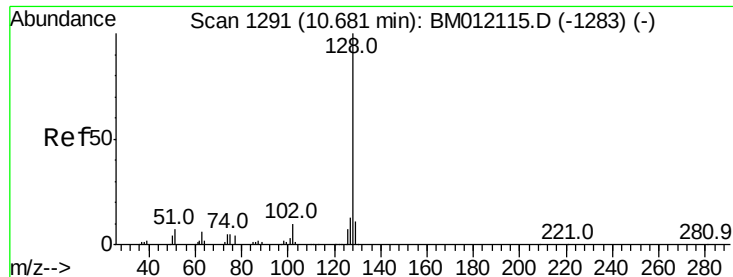
Abundance Ion 93.00 (92.70 to 93.70): BM012125.D (-701) (-)

Ion 63.00 (62.70 to 63.70): BM012125.D (-701) (-)

Ion 95.00 (94.70 to 95.70): BM012125.D (-701) (-)

Time-->

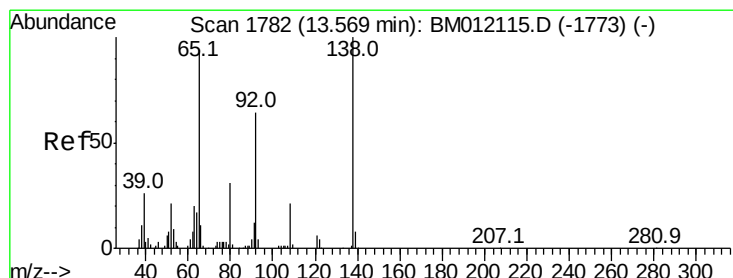
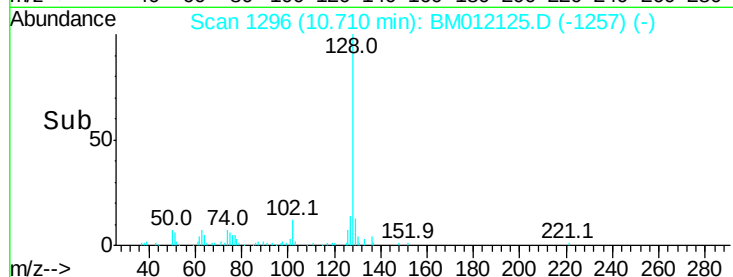
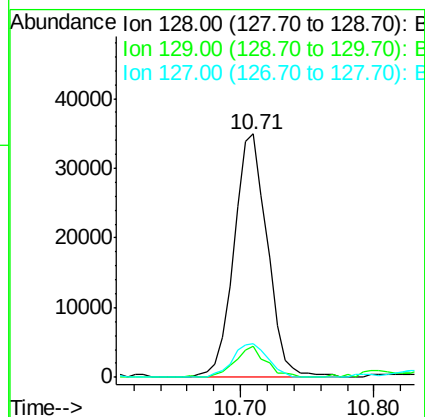
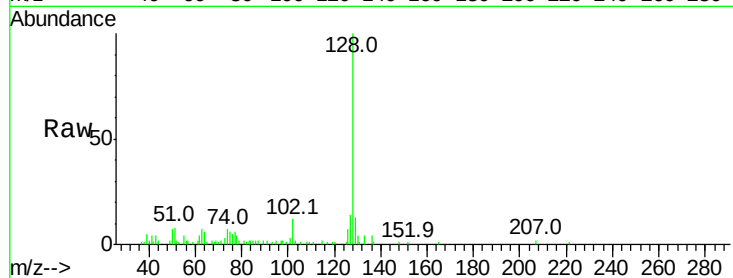




#28
Naphthalene
Concen: 1.402 ng/ul
RT: 10.71 min Scan# 1296
Delta R.T. 0.03 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

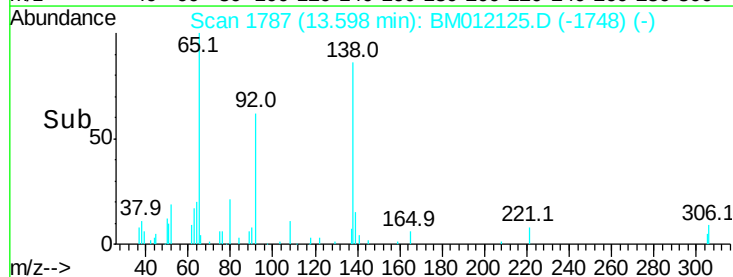
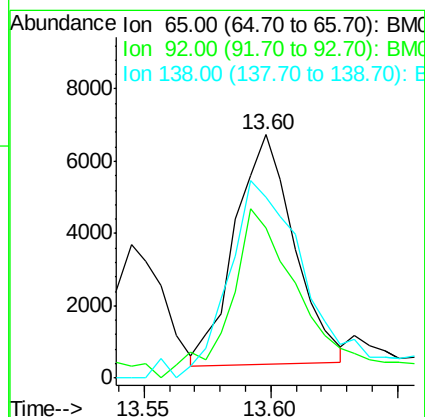
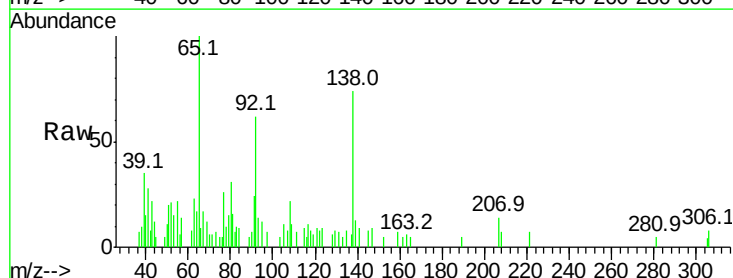
Instrument :
BNA_M
ClientSampleId :

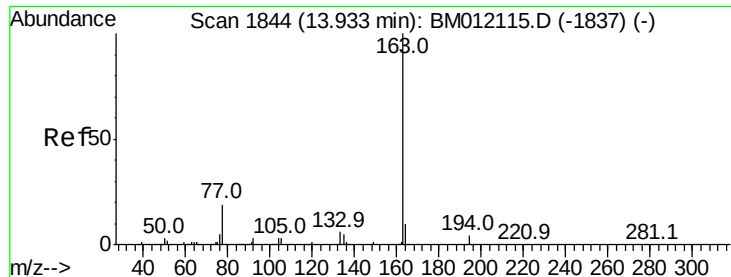
Tot Ion:128 Resp: 60754
Ion Ratio Lower Upper
128 100
129 12.5 8.8 13.2
127 13.6 10.6 16.0



#42
2-Nitroaniline
Concen: 1.235 ng/ul
RT: 13.60 min Scan# 1787
Delta R.T. 0.03 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion: 65 Resp: 10326
Ion Ratio Lower Upper
65 100
92 61.7 51.8 77.6
138 74.5 74.2 111.4

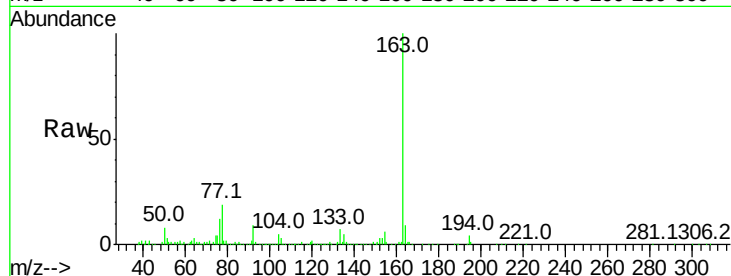




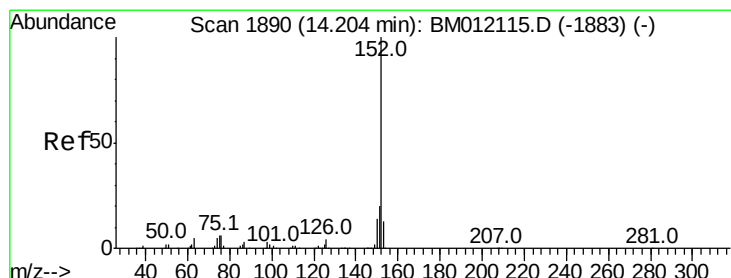
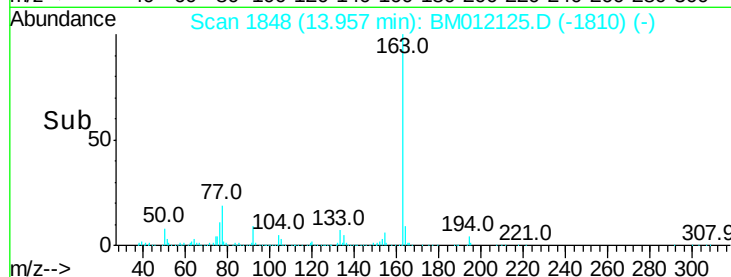
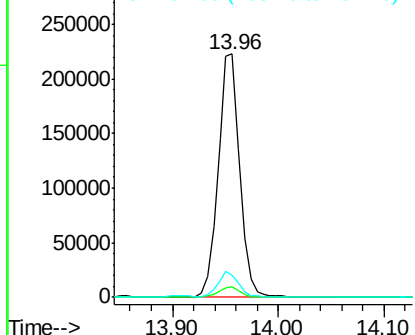
#44
Dimethylphthalate
Concen: 7.831 ng/ul
RT: 13.96 min Scan# 1848
Delta R.T. 0.02 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.4	8.2	12.4

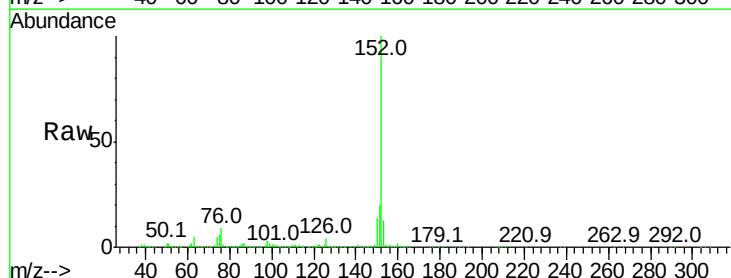


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

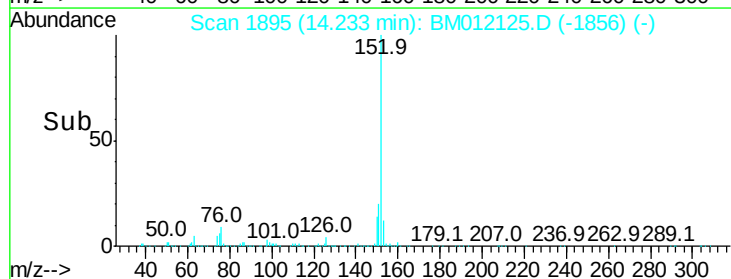
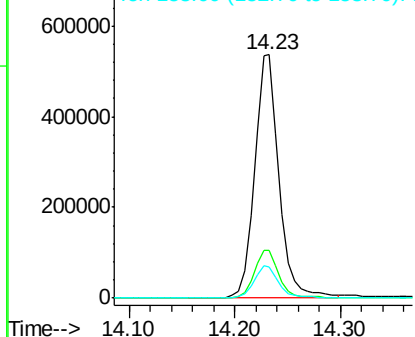


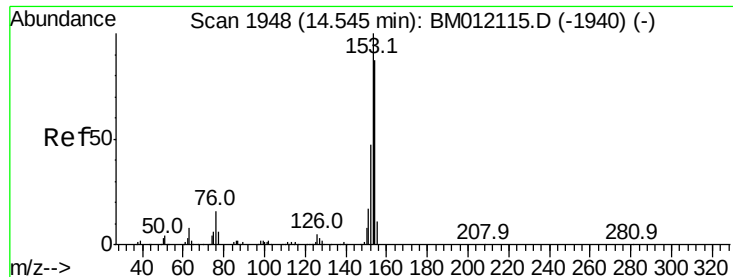
#47
Acenaphthylene
Concen: 18.047 ng/ul
RT: 14.23 min Scan# 1895
Delta R.T. 0.03 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	12.5	10.2	15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 3.507 ng/ul

RT: 14.57 min Scan# 1952

Delta R.T. 0.02 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

ClientSampleId :

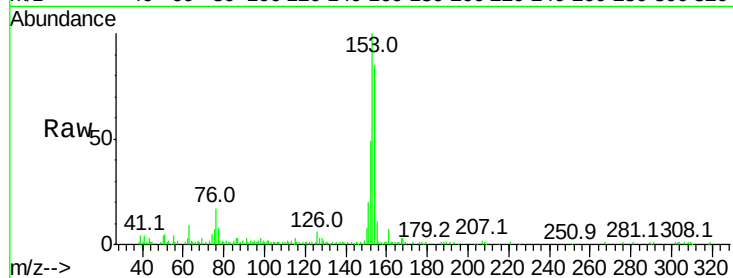
Tot Ion:153 Resp: 112609

Ion Ratio Lower Upper

153 100

152 48.7 37.6 56.4

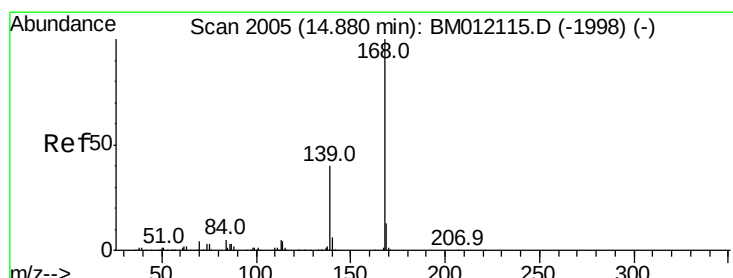
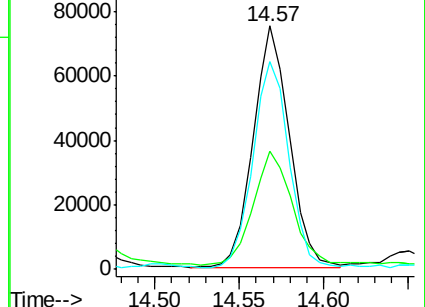
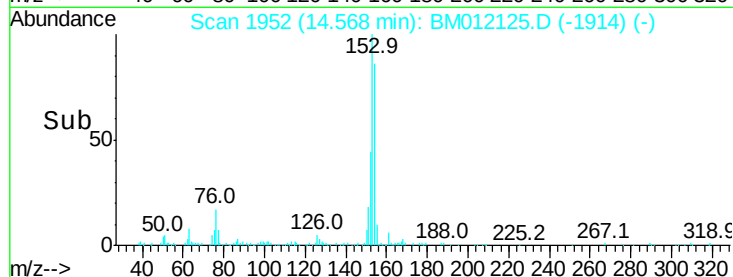
154 85.4 70.4 105.6



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: 1.177 ng/ul

RT: 14.90 min Scan# 2009

Delta R.T. 0.02 min

Lab File: BM012125.D

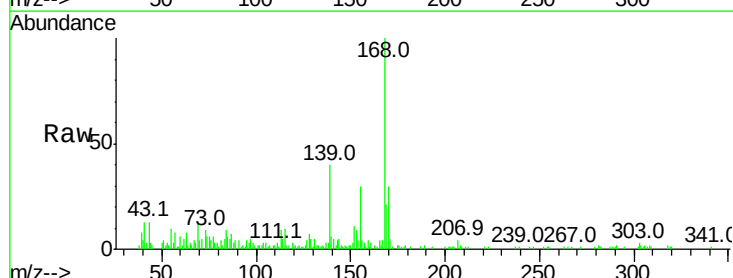
Acq: 13 Oct 2017 07:04

Tgt Ion:168 Resp: 54407

Ion Ratio Lower Upper

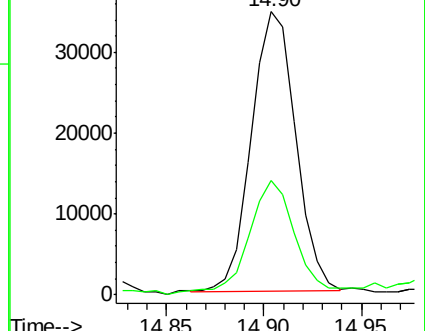
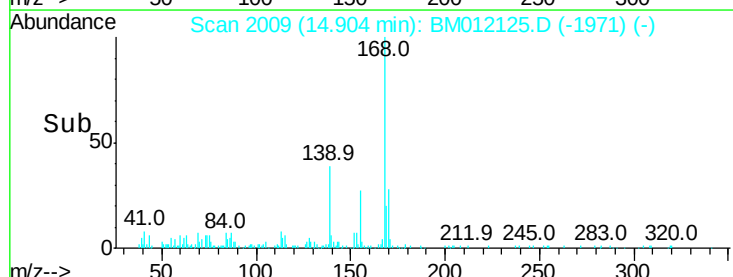
168 100

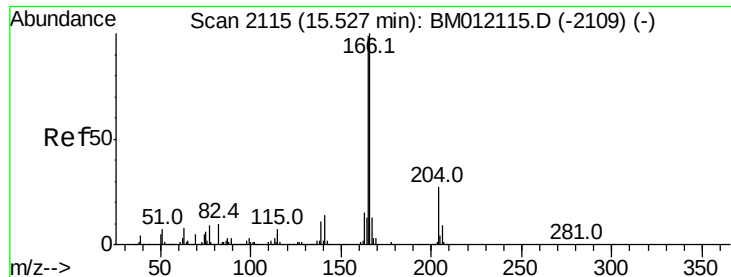
139 40.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

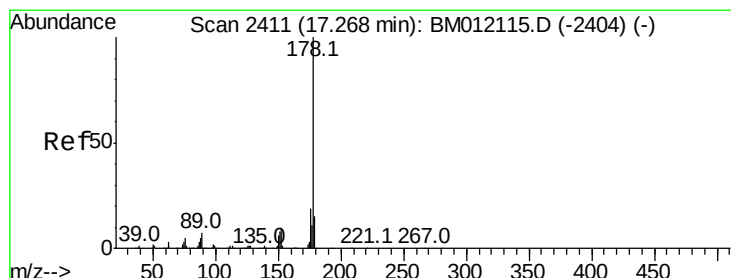
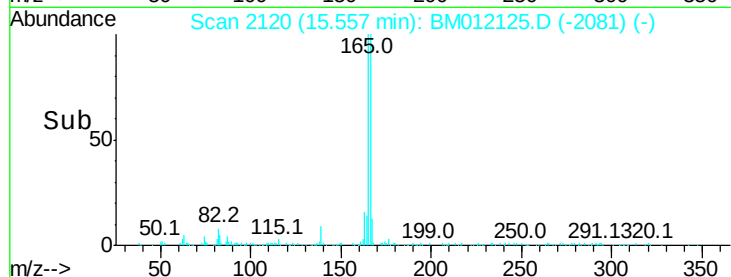
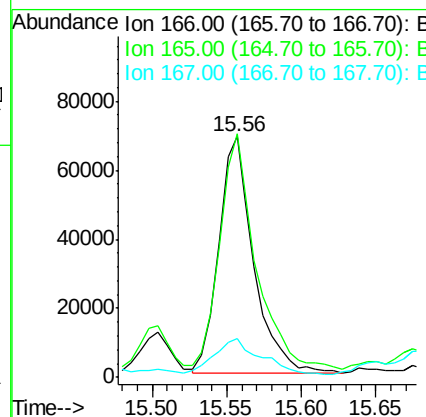
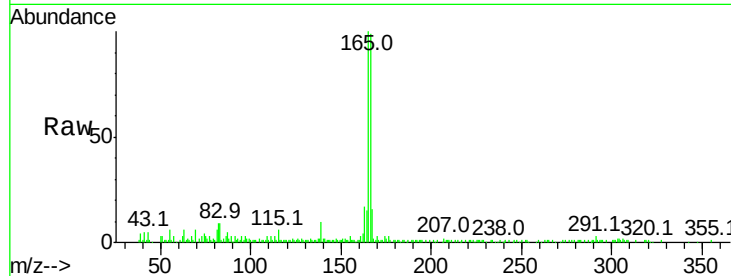




#58
 Fluorene
 Concen: 2.892 ng/ul
 RT: 15.56 min Scan# 2120
 Delta R.T. 0.03 min
 Lab File: BM012125.D
 Acq: 13 Oct 2017 07:04

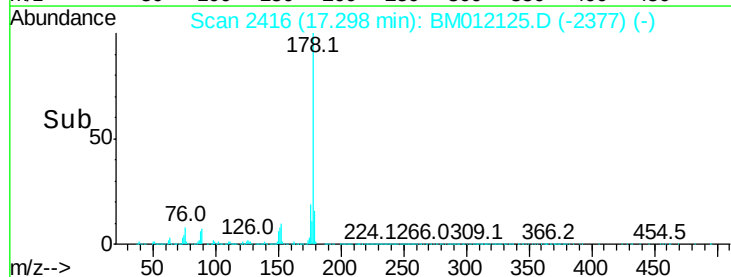
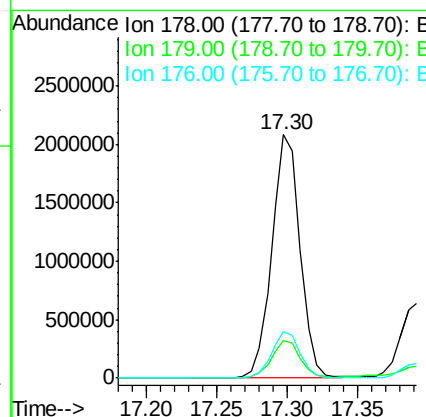
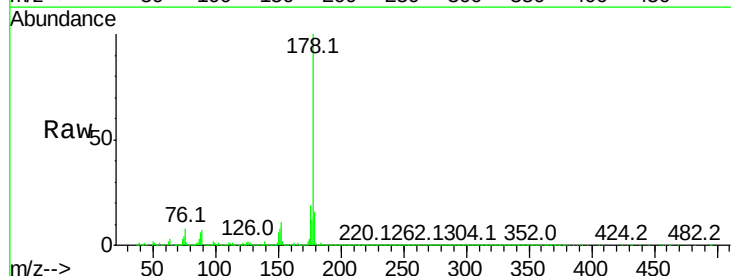
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 ClientSampleId :

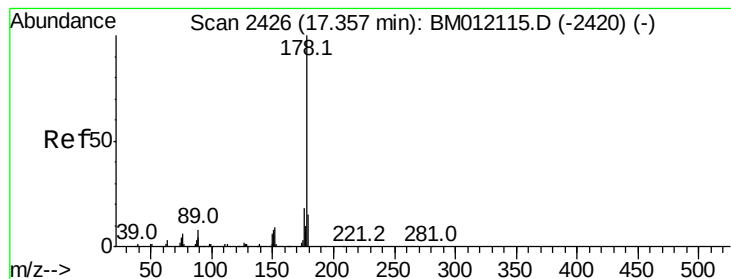
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.2	77.9	116.9
167	15.9	10.6	16.0



#69
 Phenanthrene
 Concen: 52.106 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.03 min
 Lab File: BM012125.D
 Acq: 13 Oct 2017 07:04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.2	14.9	22.3





#71

Anthracene

Concen: 15.282 ng/ul

RT: 17.39 min Scan# 2432

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

ClientSampled :

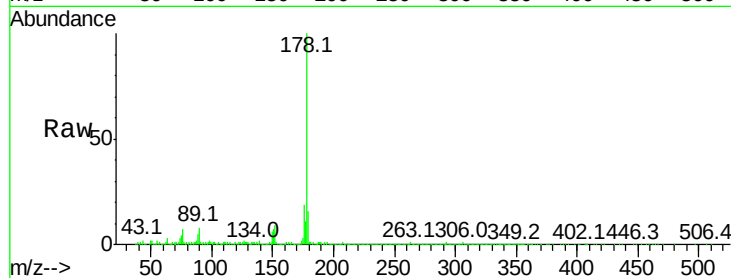
Tot Ion:178 Resp: 882704

Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

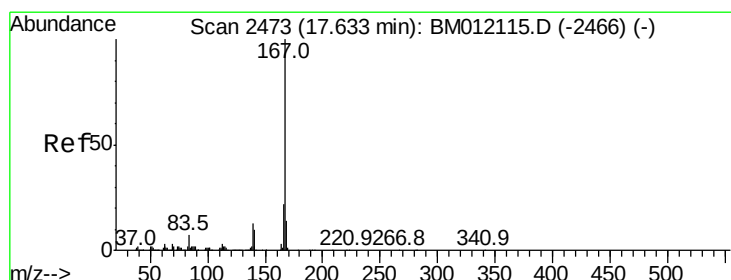
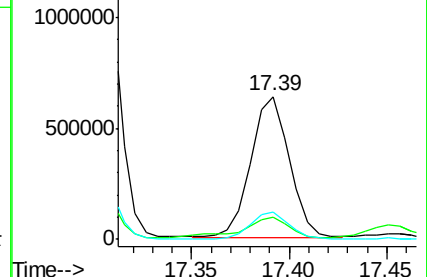
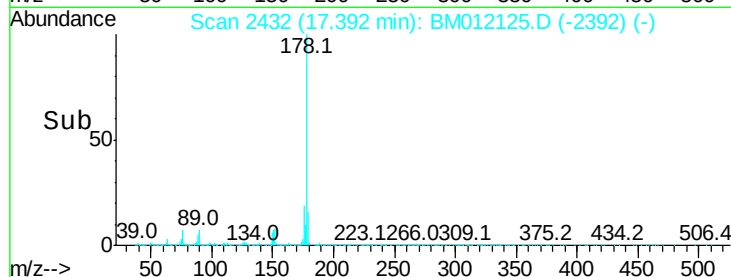
176 18.9 14.6 21.8



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: 4.606 ng/ul

RT: 17.66 min Scan# 2478

Delta R.T. 0.03 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

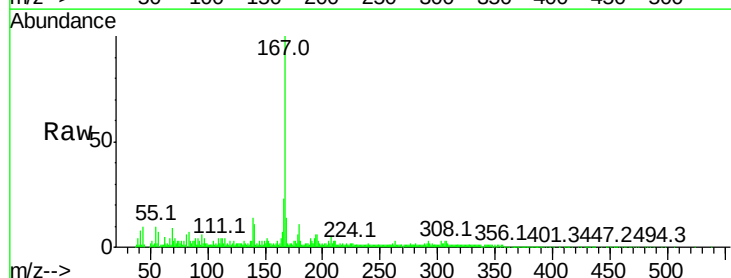
Tgt Ion:167 Resp: 225168

Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

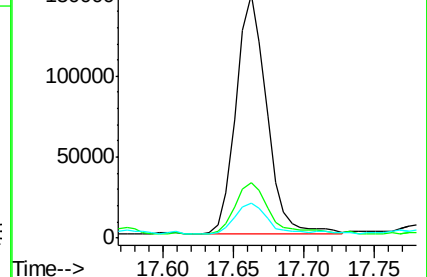
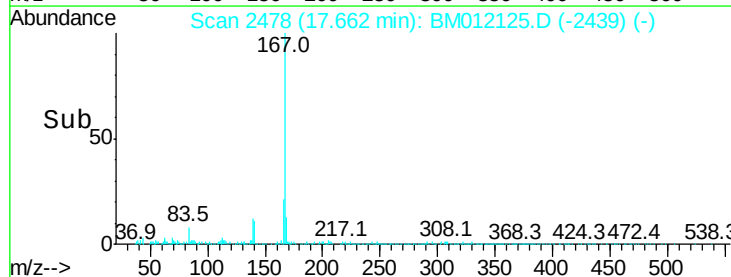
139 14.4 10.0 15.0

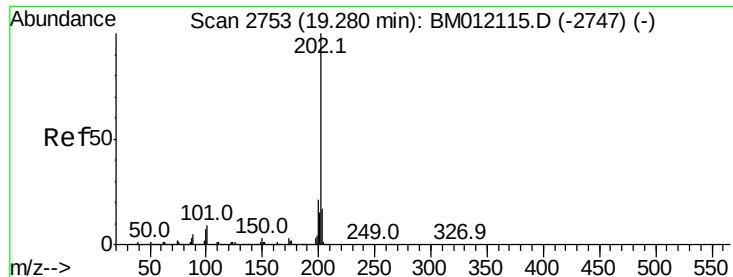


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 138.368 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

ClientSampleId :

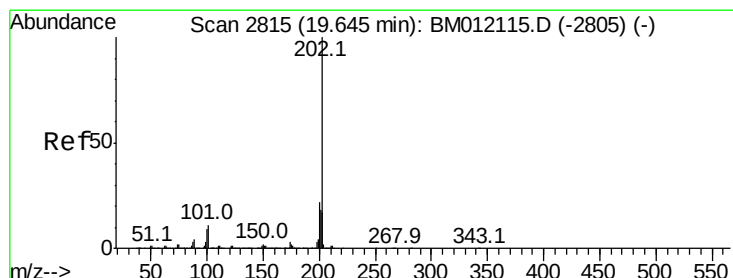
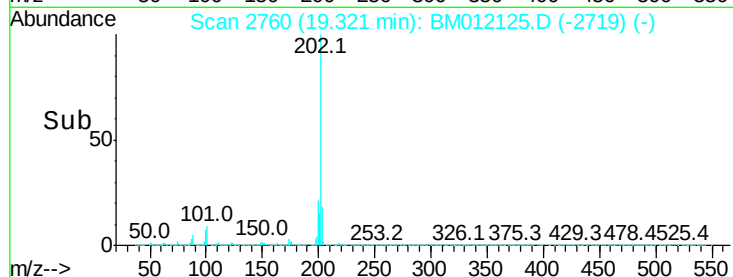
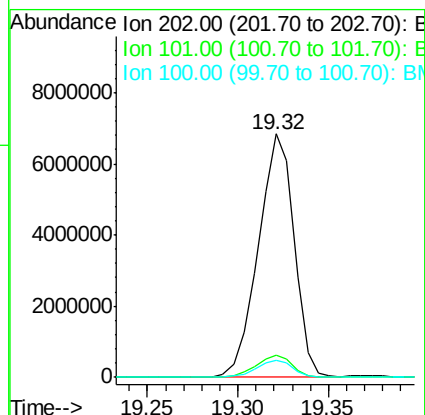
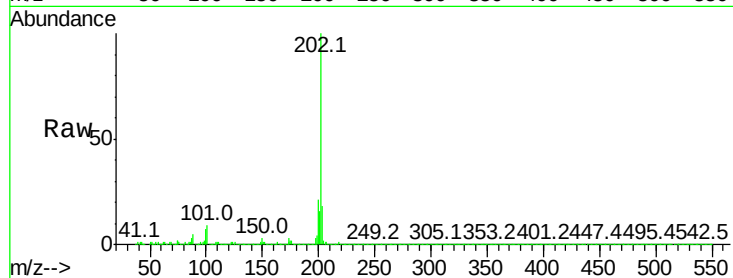
Tot Ion:202 Resp: 9316691

Ion Ratio Lower Upper

202 100

101 9.3 4.6 7.0#

100 7.2 3.4 5.2#



#77

Pyrene

Concen: 104.675 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

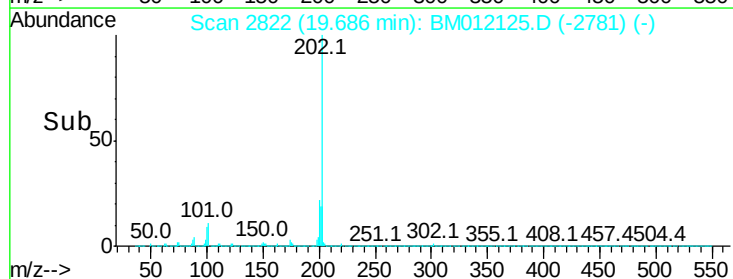
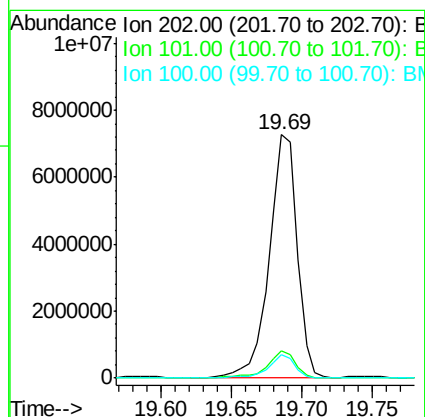
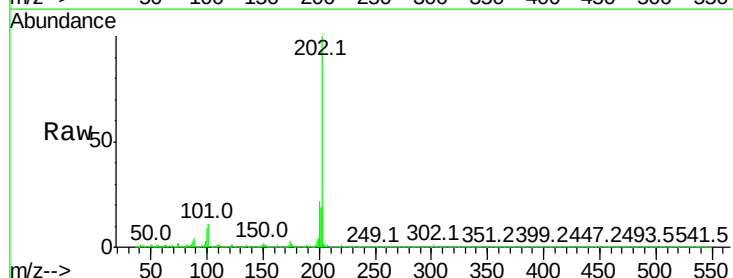
Tgt Ion:202 Resp:10063205

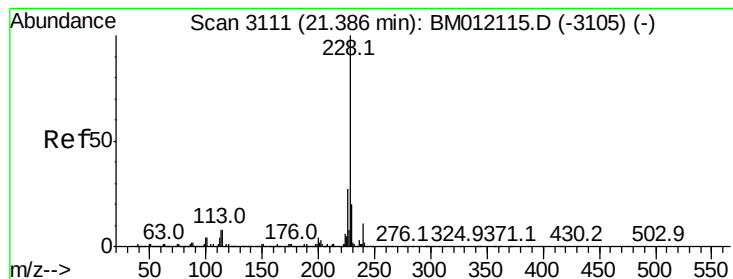
Ion Ratio Lower Upper

202 100

101 11.2 5.1 7.7#

100 9.5 4.9 7.3#

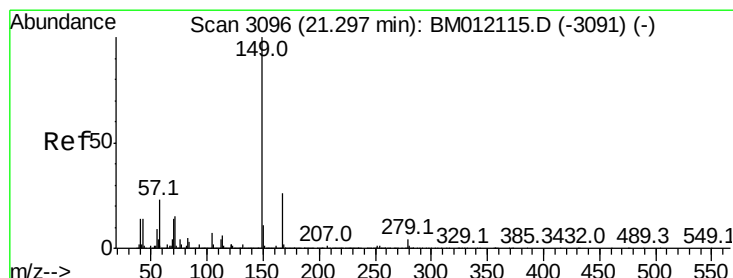
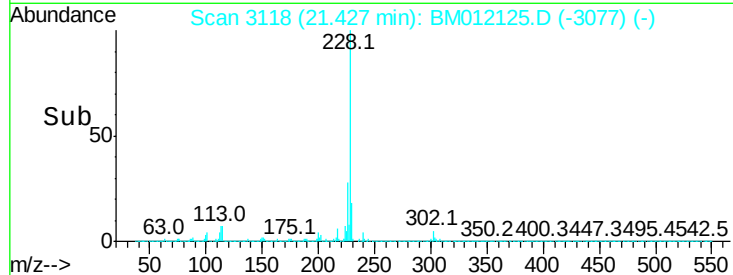
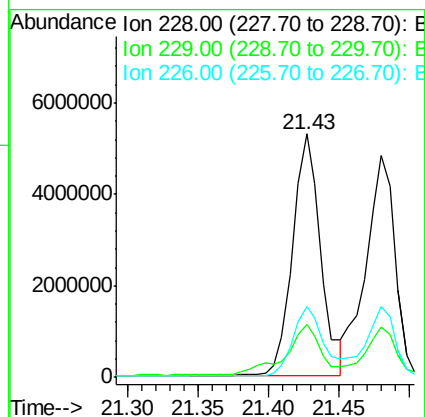
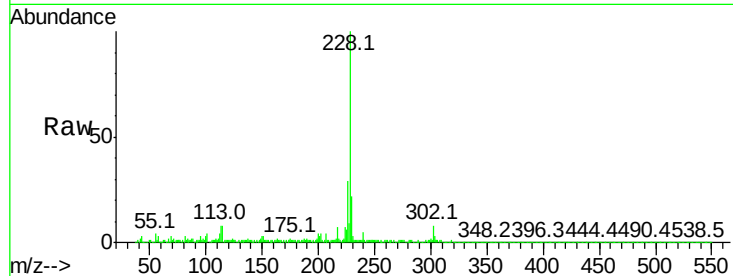




#80
Benzo(a)anthracene
Concen: 77.703 ng/ul
RT: 21.43 min Scan# 3118
Delta R.T. 0.04 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

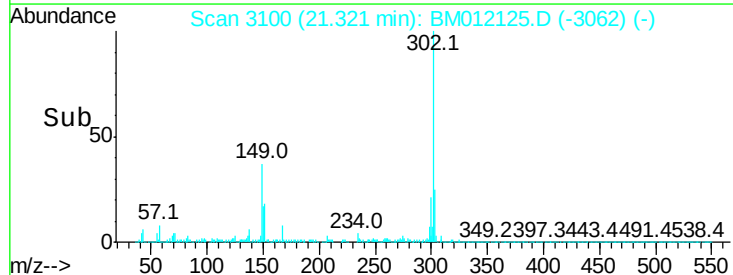
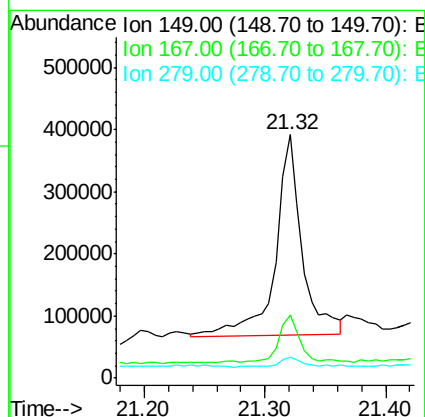
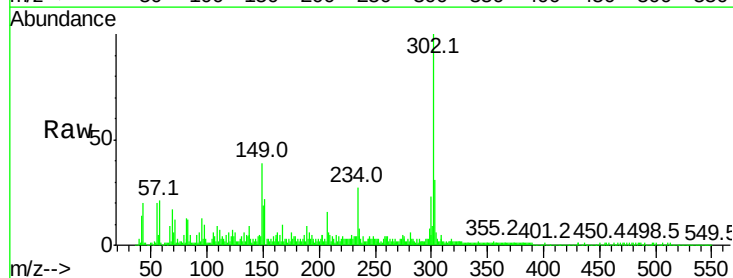
Instrument :
BNA_M
ClientSampleId :

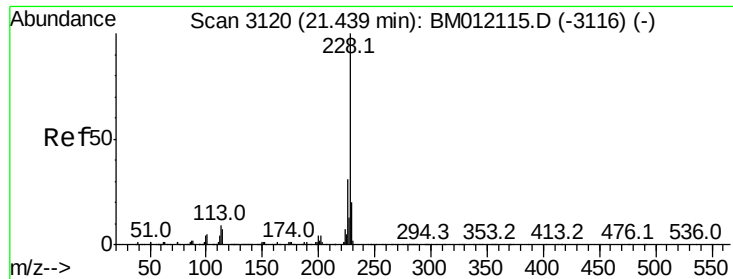
Tot Ion:228 Resp: 7360270
Ion Ratio Lower Upper
228 100
229 21.6 15.4 23.0
226 29.1 21.4 32.0



#81
Bis(2-ethylhexyl)phthalate
Concen: 7.837 ng/ul
RT: 21.32 min Scan# 3100
Delta R.T. 0.02 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion:149 Resp: 503259
Ion Ratio Lower Upper
149 100
167 26.0 22.8 34.2
279 8.4 4.9 7.3#





#82

Chrysene

Concen: 77.843 ng/ul

RT: 21.48 min Scan# 3127

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

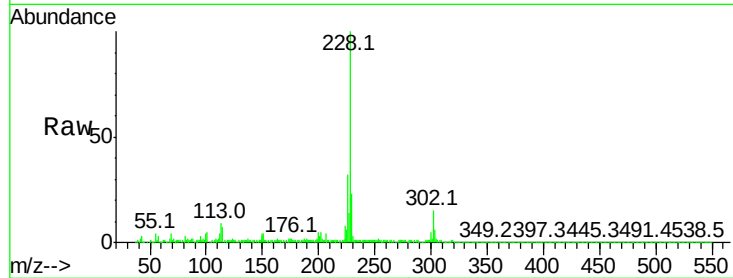
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 6922689

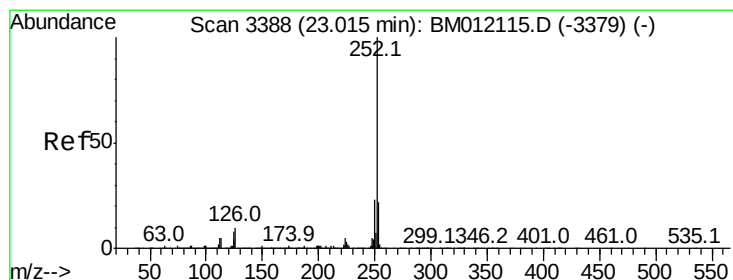
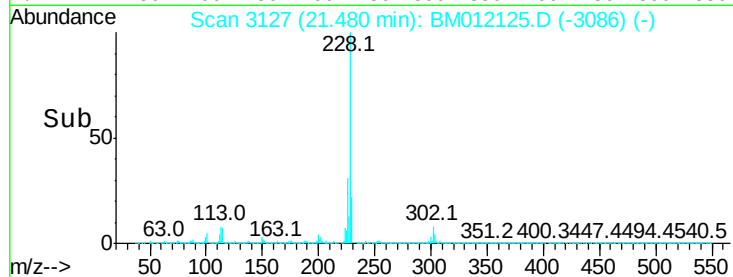
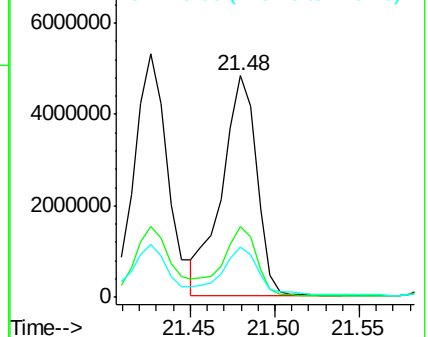
Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	22.9	15.5	23.3



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: 55.769 ng/ul

RT: 23.09 min Scan# 3400

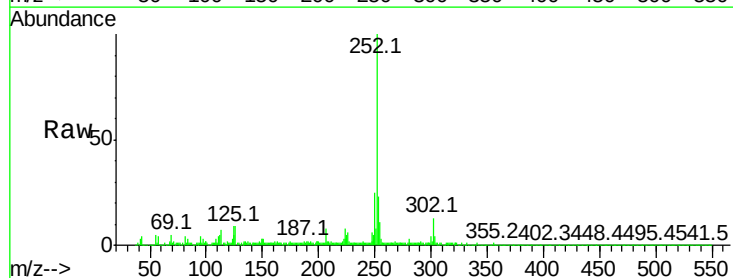
Delta R.T. 0.07 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Tgt Ion:252 Resp: 9127337

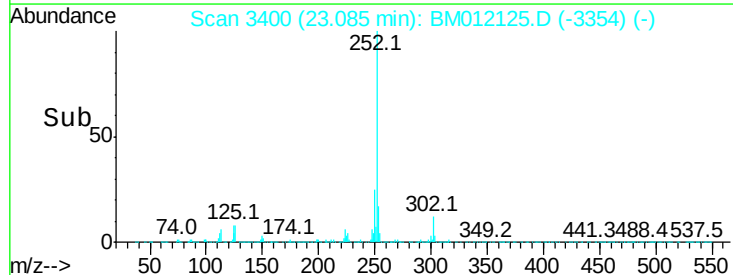
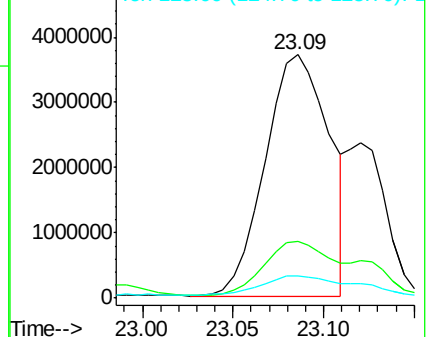
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.0	3.6	5.4

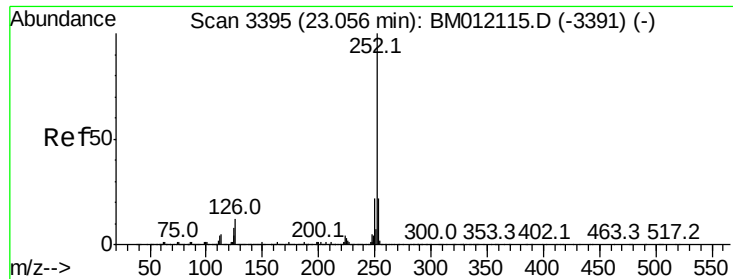


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

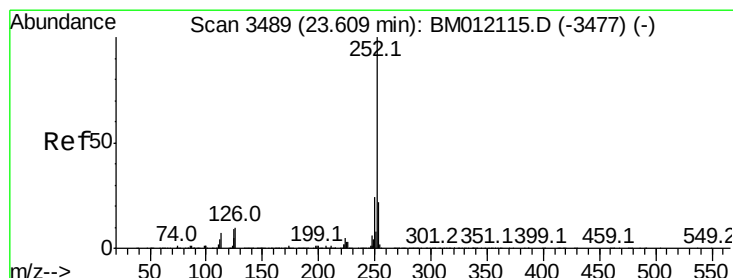
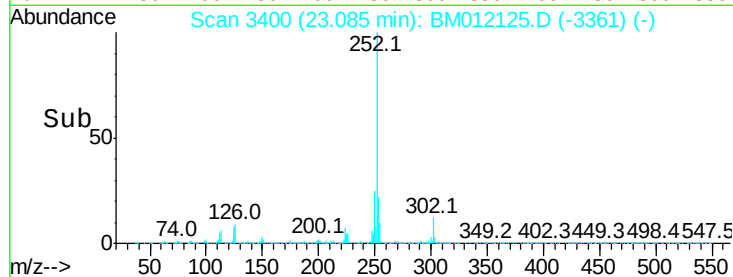
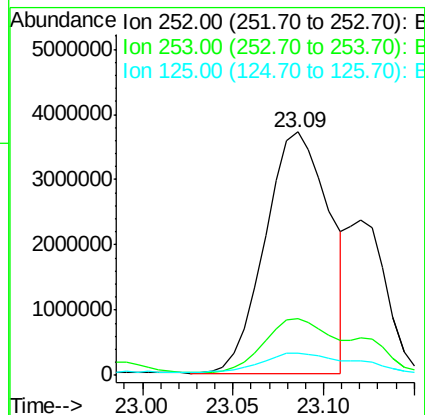
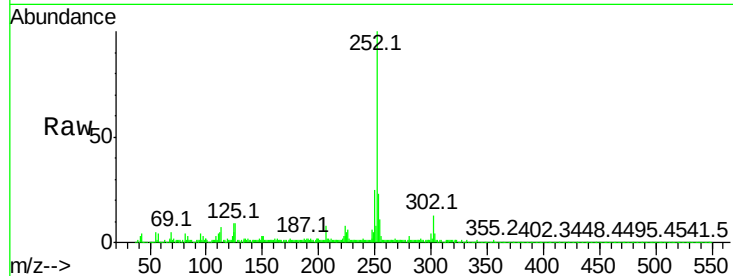




#86
Benzo(k)fluoranthene
Concen: 57.871 ng/ul
RT: 23.09 min Scan# 3400
Delta R.T. 0.03 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

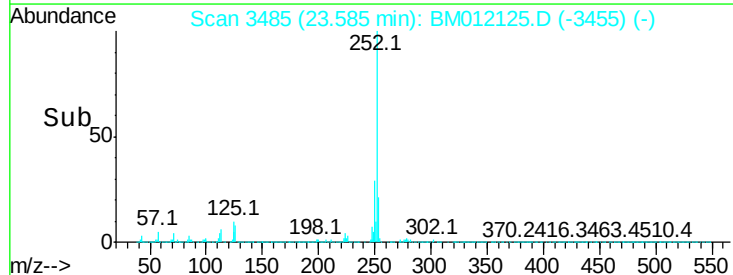
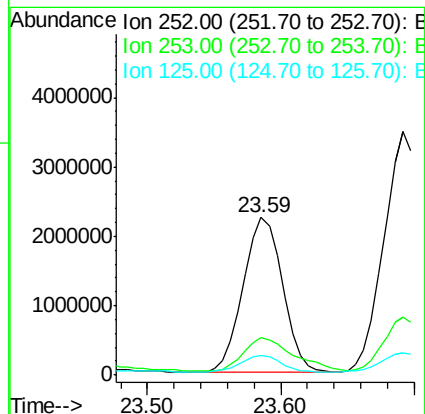
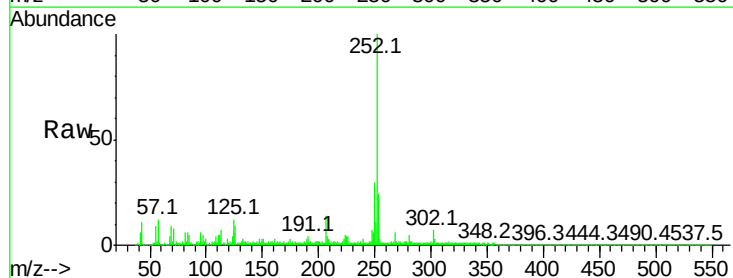
Instrument :
BNA_M
ClientSampleId :

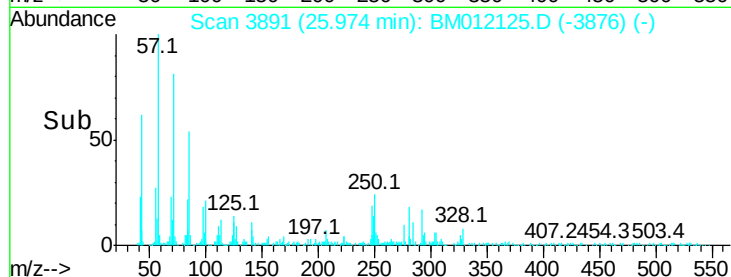
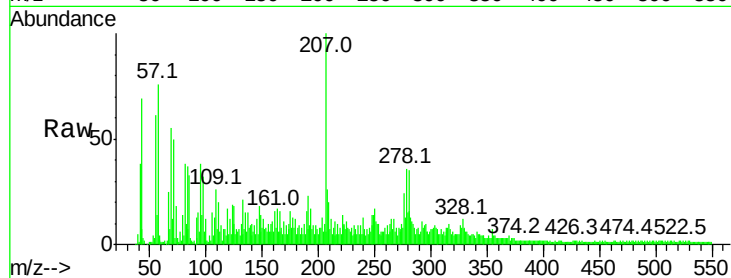
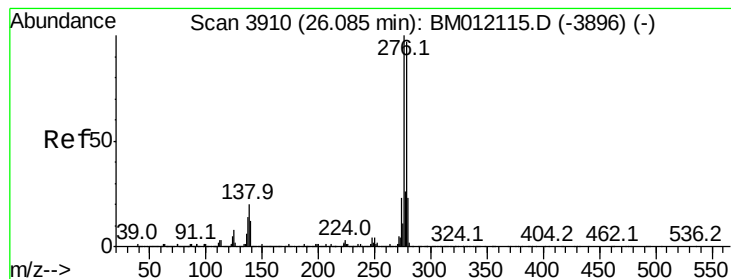
Tot Ion:252 Resp: 9127337
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 9.0 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 29.954 ng/ul
RT: 23.59 min Scan# 3485
Delta R.T. -0.02 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion:252 Resp: 4620615
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 12.4 4.0 6.0#





#90

Dibenzo(a,h)anthracene

Concen: 1.661 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. -0.11 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 228741

Ion Ratio Lower Upper

278 100

139 25.7 5.8 8.8#

279 43.1 18.6 27.8#

