

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121817\
 Data File : BM013503.D
 Acq On : 18 Dec 2017 17:48
 Operator : SJ/JU
 Sample : I6778-13MEDL 30X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 19 00:44:35 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 00:41:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	204248	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	896529	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	523557	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1122944	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	934439	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	794315	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	245	0.06	ng/uL	0.00
5) Phenol-d5	6.86	99	18564	1.05	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.02	67	12468	1.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	16073	1.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	17365	1.15	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	8826	1.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	8360	1.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	15276	0.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	27321	1.90	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	62829	1.35	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	77648	1.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	1112	0.14	ng/ul	-0.02
57) Fluorene-d10	15.31	176	56986	1.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	3680	0.52	ng/ul	0.02
70) Anthracene-d10	17.16	188	91571	1.63	ng/ul	0.00
76) Pyrene-d10	19.46	212	84208	1.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	59143	1.46	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.50	128	6625694	143.645	ng/ul	99
30) 4-Chloroaniline	10.50	127	853505	61.173	ng/ul#	12
34) 2-Methylnaphthalene	12.12	142	1358297	39.174	ng/ul	94
40) 1,1'-Biphenyl	13.15	154	370663	8.377	ng/ul	98
47) Acenaphthylene	14.03	152	195193	3.669	ng/ul#	95
49) Acenaphthene	14.38	153	1369870	37.796	ng/ul	98
53) Dibenzofuran	14.72	168	1500384	28.041	ng/ul	100
58) Fluorene	15.37	166	1696674	38.331	ng/ul	98
60) 4-Nitroaniline	15.37	138	20319	2.120	ng/ul#	14
69) Phenanthrene	17.12	178	7385783	115.771	ng/ul	99
71) Anthracene	17.20	178	1041755	15.975	ng/ul	98
72) Carbazole	17.47	167	452720	8.071	ng/ul	97
74) Fluoranthene	19.13	202	3330442	42.599	ng/ul#	93
77) Pyrene	19.49	202	2202161	38.791	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	554802	9.358	ng/ul	98
82) Chrysene	21.30	228	472611	8.592	ng/ul	97
85) Benzo(b)fluoranthene	22.81	252	331506	6.191	ng/ul#	97
86) Benzo(k)fluoranthene	22.81	252	331506	6.579	ng/ul#	97
88) Benzo(a)pyrene	23.38	252	230812	4.799	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	98711	2.068	ng/ul#	89
91) Benzo(a,h,i)perylene	26.40	276	76689	2.037	ng/ul	96

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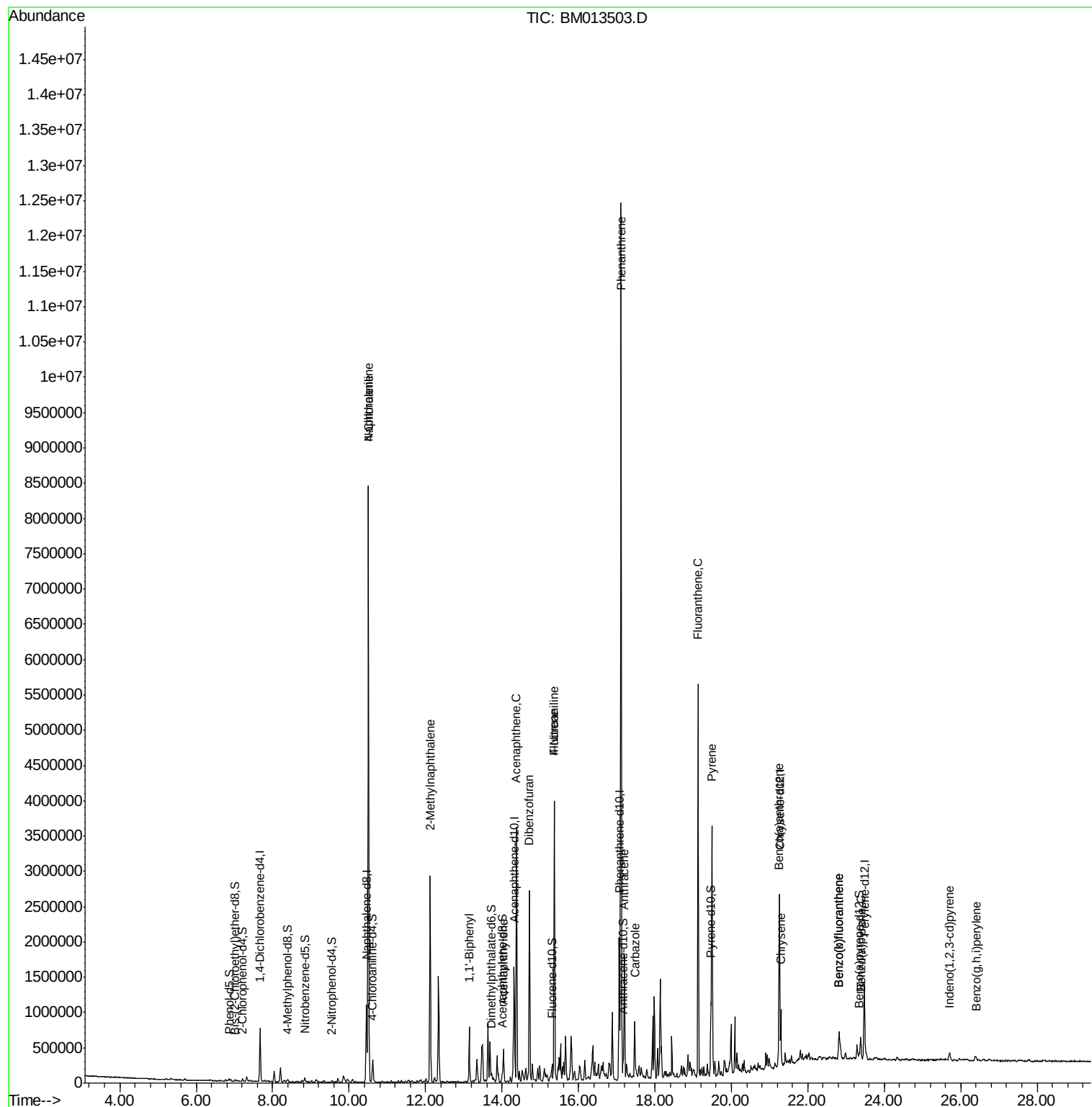
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

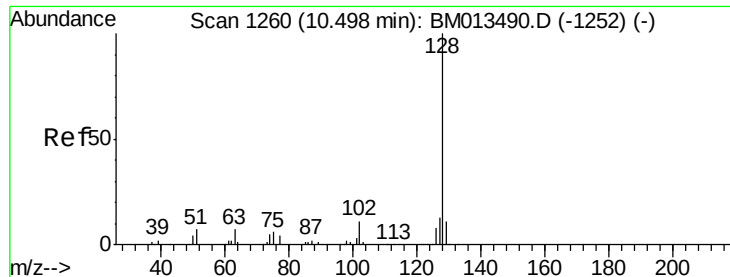
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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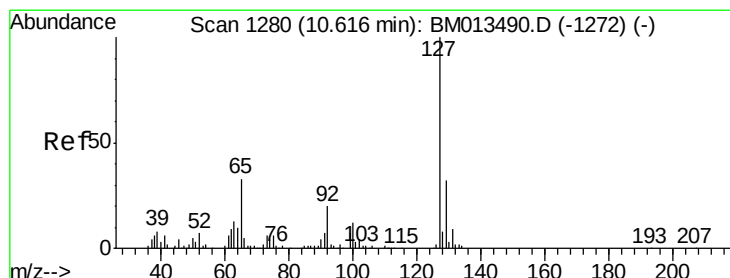
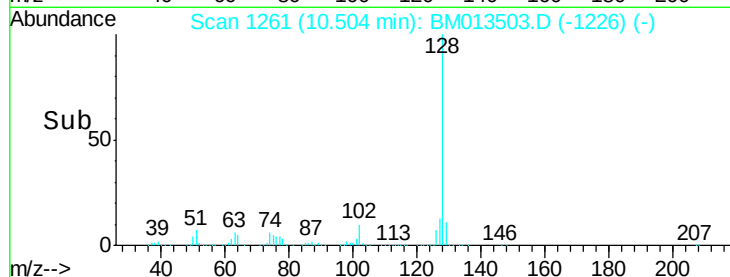
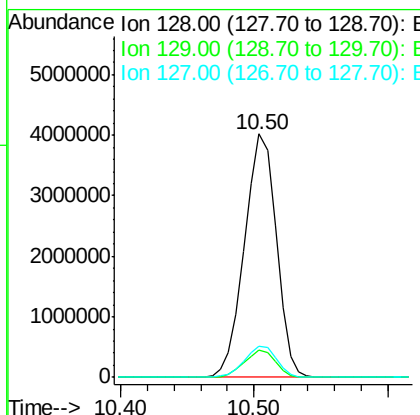
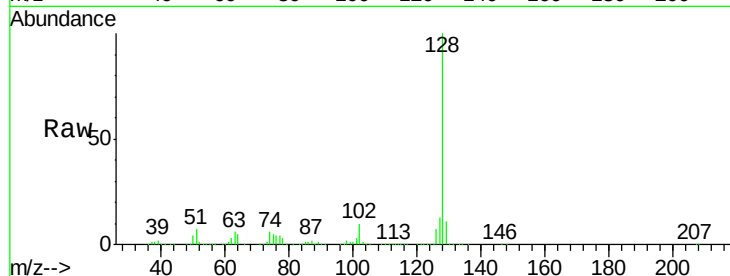




#28
Naphthalene
Concen: 143.645 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BM013503.D
Acq: 18 Dec 2017 17:48

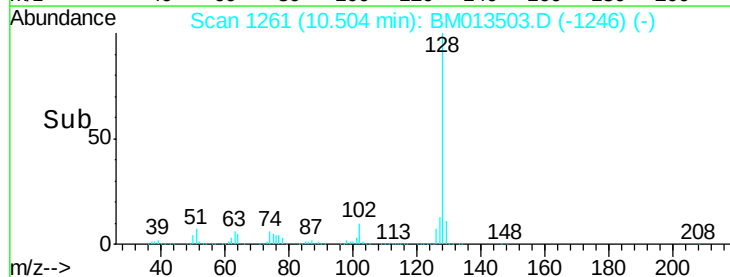
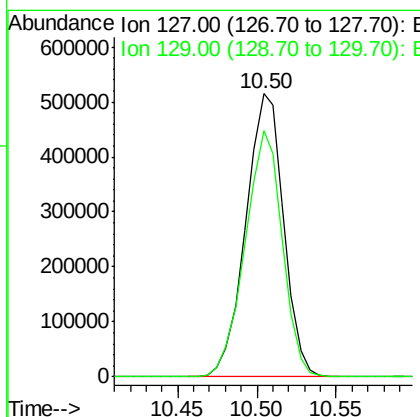
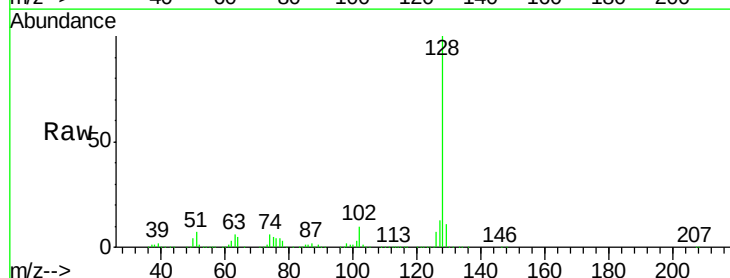
Instrument :
BNA_M
ClientSampleId :

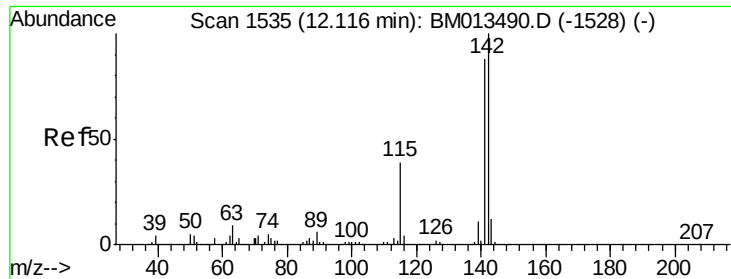
Tot Ion:128 Resp: 6625694
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 10.6 16.0



#30
4-Chloroaniline
Concen: 61.173 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.11 min
Lab File: BM013503.D
Acq: 18 Dec 2017 17:48

Tgt Ion:127 Resp: 853505
Ion Ratio Lower Upper
127 100
129 87.0 28.4 42.6#

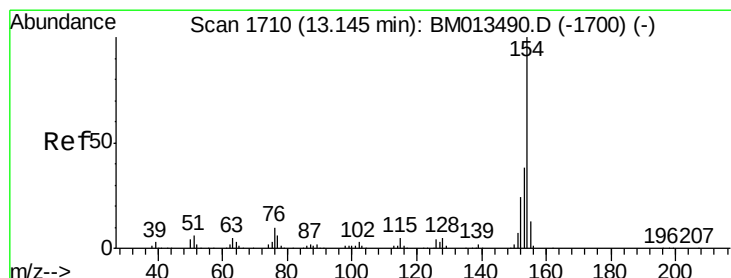
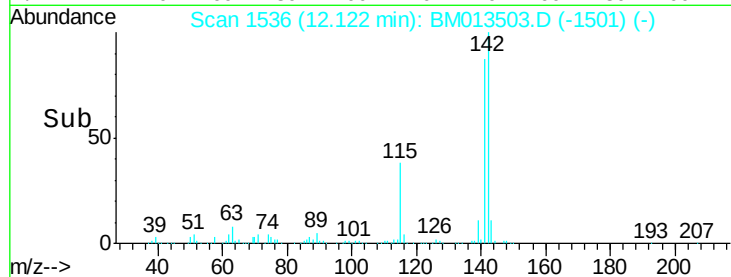
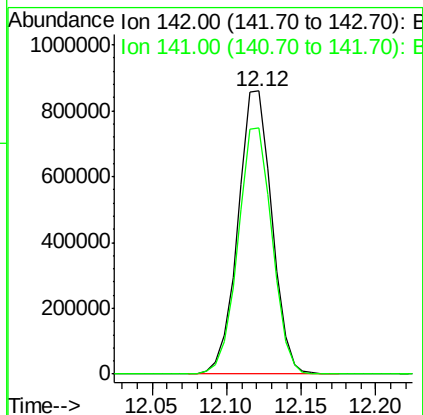
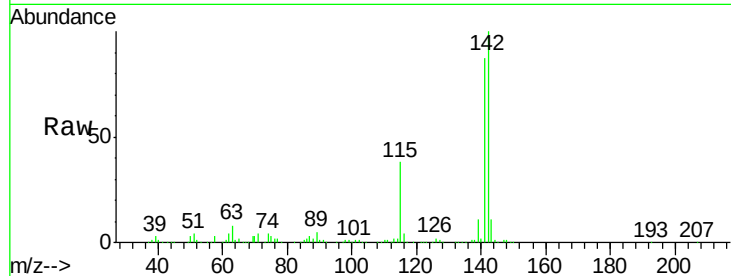




#34
 2-Methylnaphthalene
 Concen: 39.174 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: BM013503.D
 Acq: 18 Dec 2017 17:48

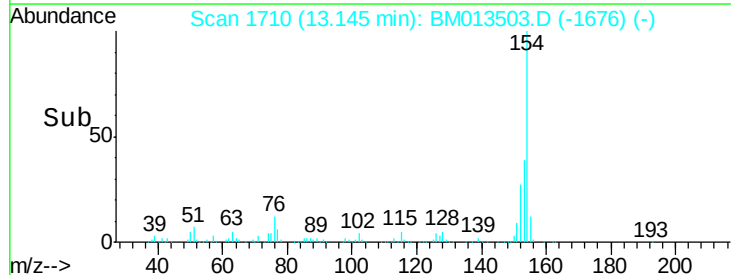
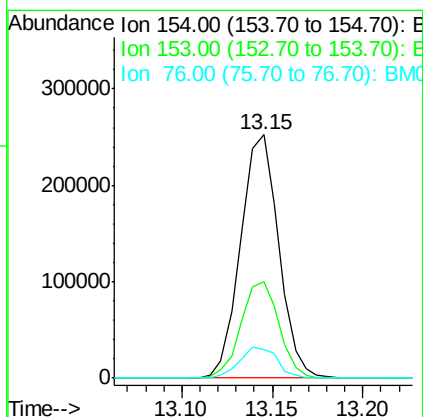
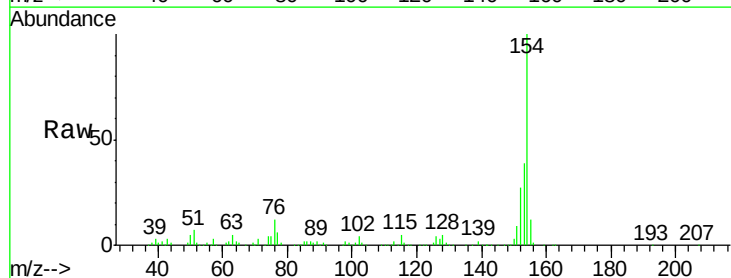
Instrument :
 BNA_M
 ClientSampleId :

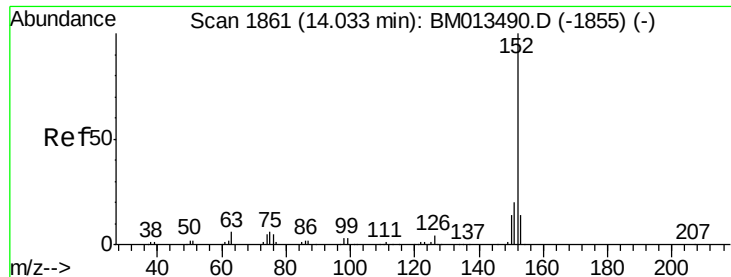
Tot Ion:142 Resp: 1358297
 Ion Ratio Lower Upper
 142 100
 141 87.0 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 8.377 ng/ul
 RT: 13.15 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BM013503.D
 Acq: 18 Dec 2017 17:48

Tgt Ion:154 Resp: 370663
 Ion Ratio Lower Upper
 154 100
 153 39.4 32.6 48.8
 76 11.5 8.5 12.7





#47

Acenaphthylene

Concen: 3.669 ng/ul

RT: 14.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

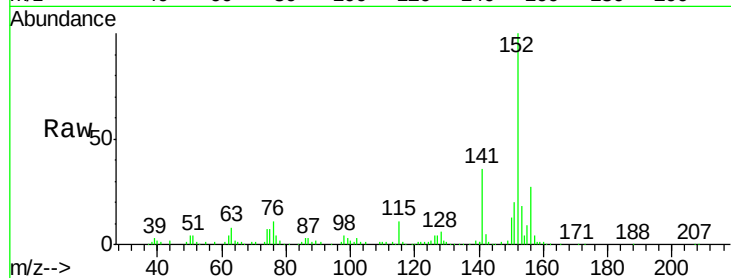
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 195193

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	17.6	10.2	15.4

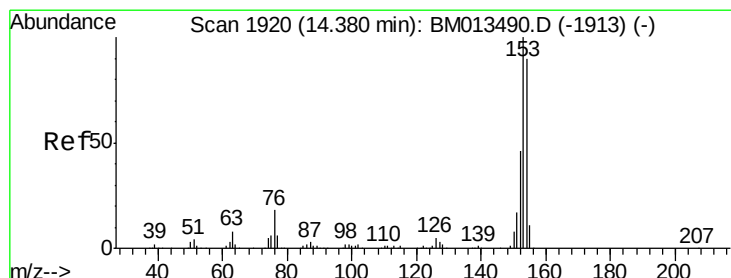
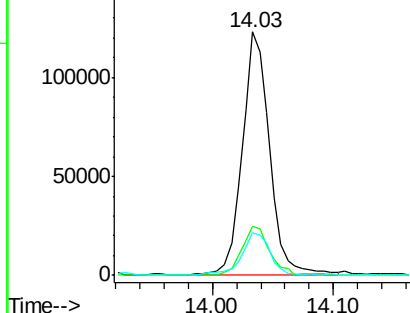
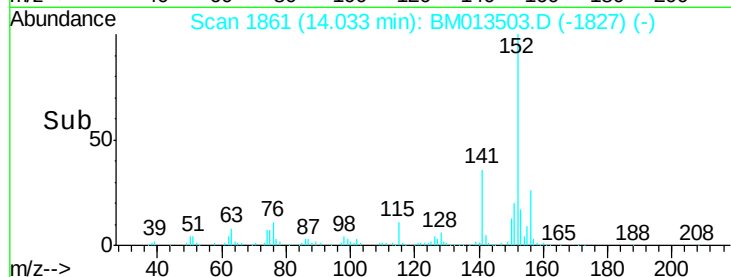


Abundance

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: 37.796 ng/ul

RT: 14.38 min Scan# 1920

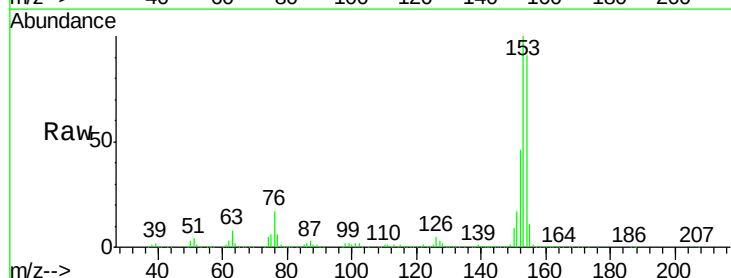
Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

Tgt Ion:153 Resp: 1369870

Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.6	56.4
154	90.7	70.4	105.6

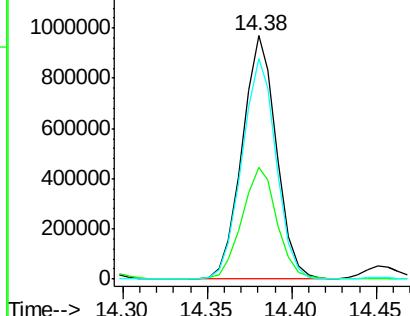
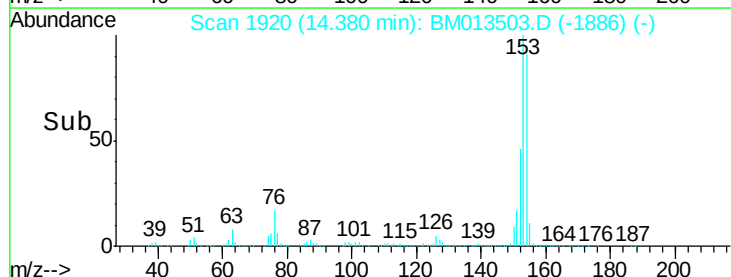


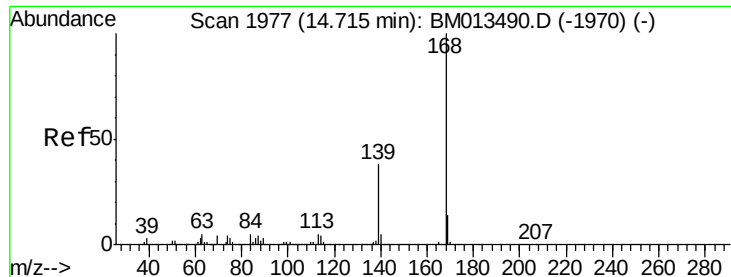
Abundance

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





#53

Dibenzenofuran

Concen: 28.041 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

Instrument :

BNA_M

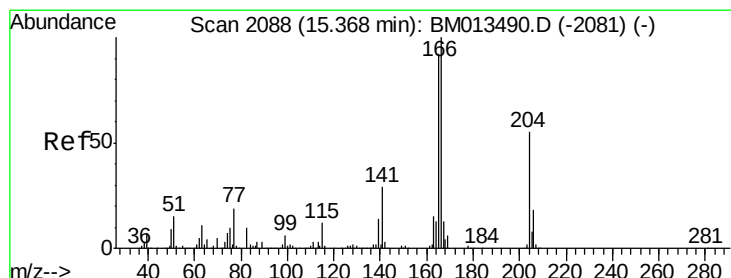
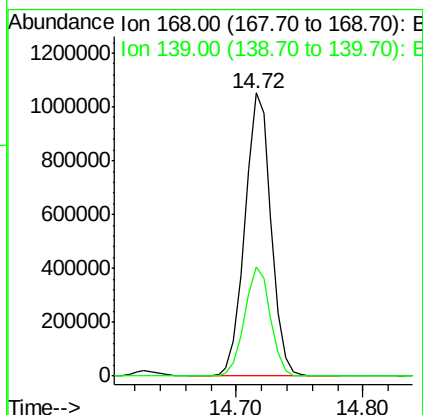
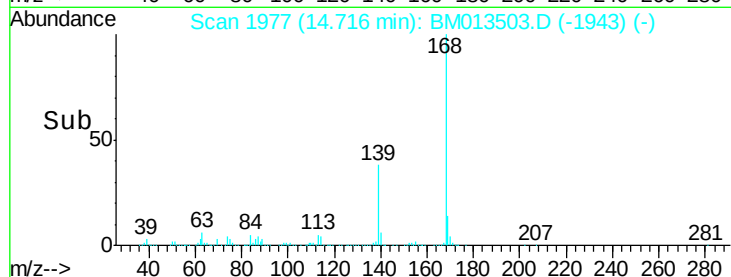
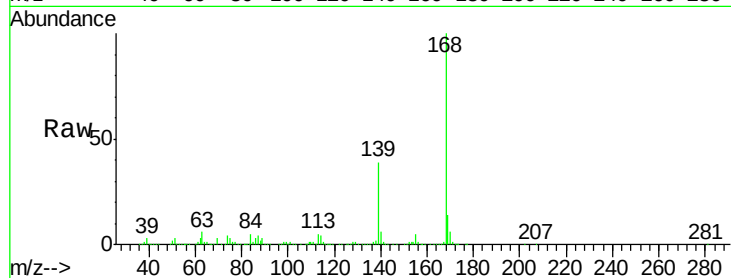
ClientSampleId :

Tot Ion:168 Resp: 1500384

Ion Ratio Lower Upper

168 100

139 38.5 30.8 46.2



#58

Fluorene

Concen: 38.331 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

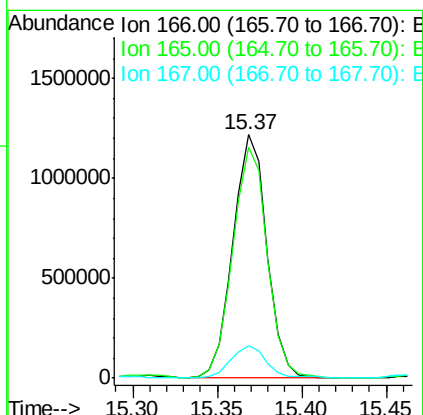
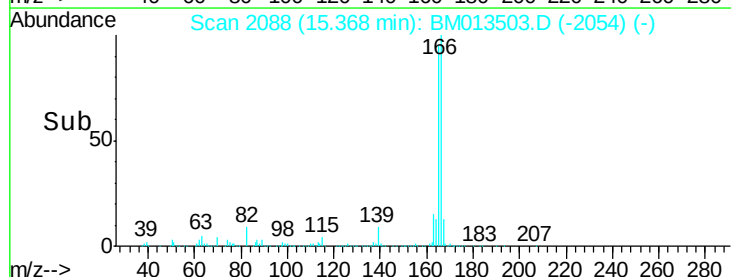
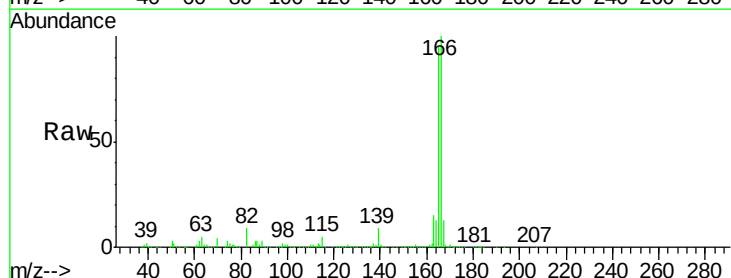
Tgt Ion:166 Resp: 1696674

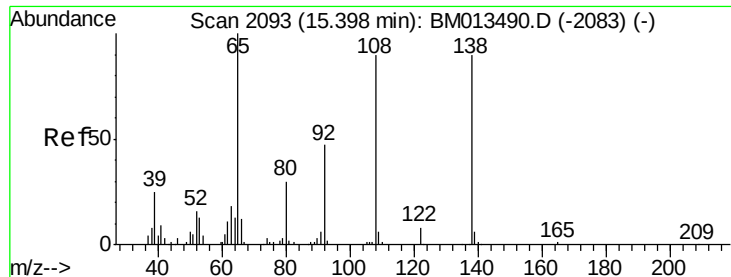
Ion Ratio Lower Upper

166 100

165 94.7 77.9 116.9

167 13.4 10.6 16.0

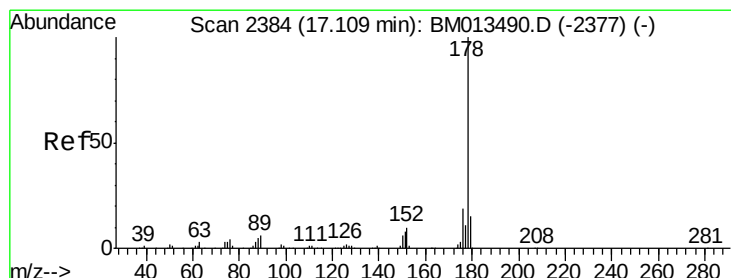
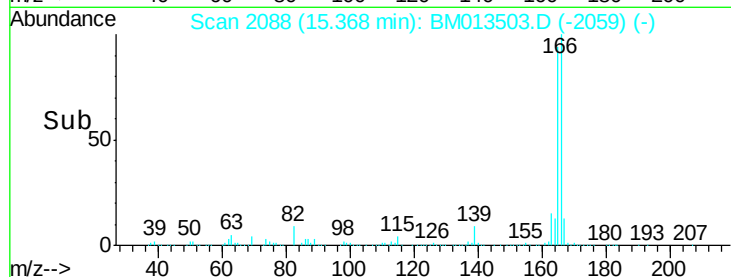
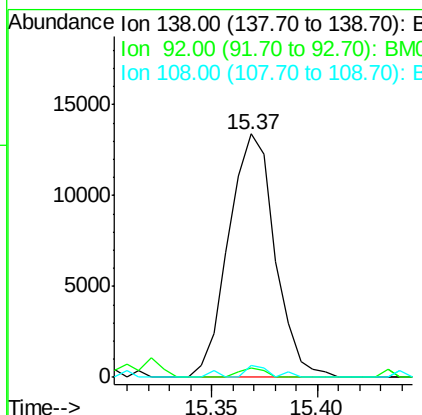
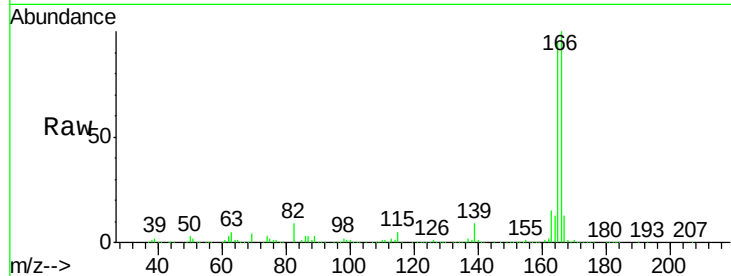




#60
 4-Nitroaniline
 Concen: 2.120 ng/ul
 RT: 15.37 min Scan# 2088
 Delta R.T. -0.03 min
 Lab File: BM013503.D
 Acq: 18 Dec 2017 17:48

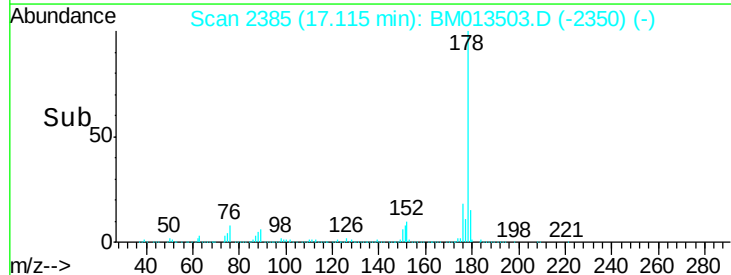
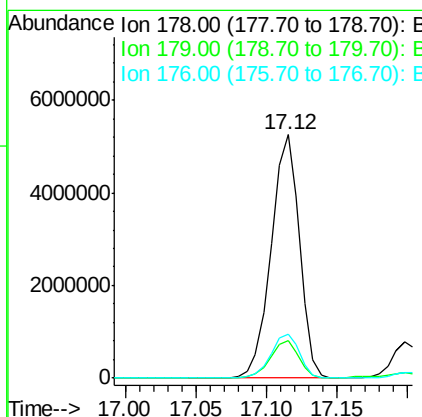
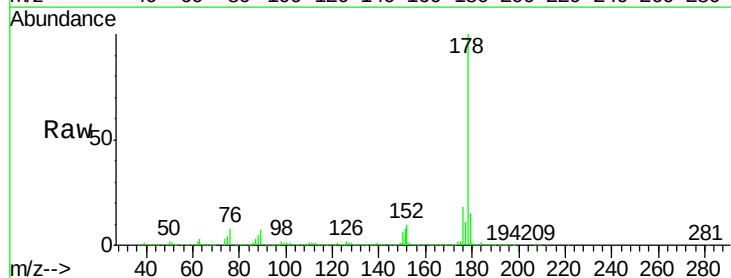
Instrument :
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 ClientSampleId :

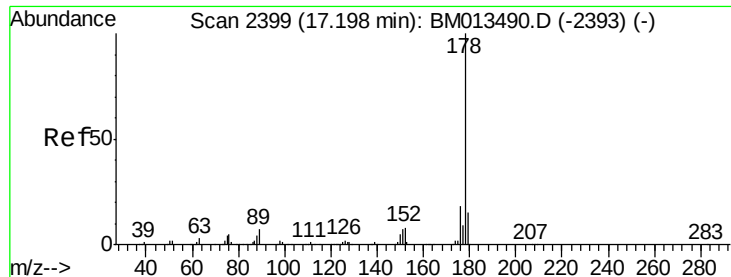
Tot Ion:138 Resp: 20319
 Ion Ratio Lower Upper
 138 100
 92 3.7 40.0 60.0#
 108 4.8 80.0 120.0#



#69
 Phenanthrene
 Concen: 115.771 ng/ul
 RT: 17.12 min Scan# 2385
 Delta R.T. 0.01 min
 Lab File: BM013503.D
 Acq: 18 Dec 2017 17:48

Tgt Ion:178 Resp: 7385783
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.6 19.0
 176 18.3 14.9 22.3





#71

Anthracene

Concen: 15.975 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

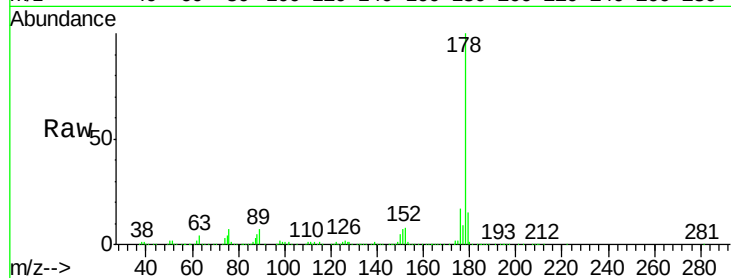
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1041755

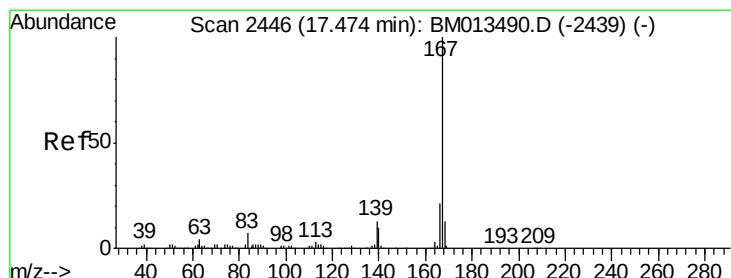
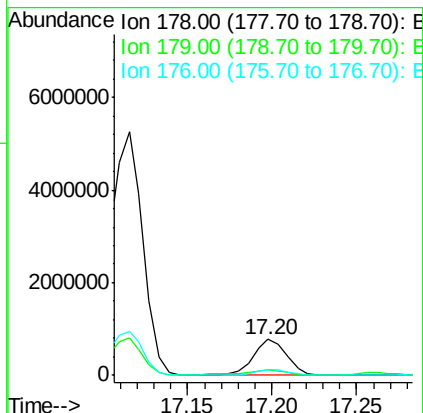
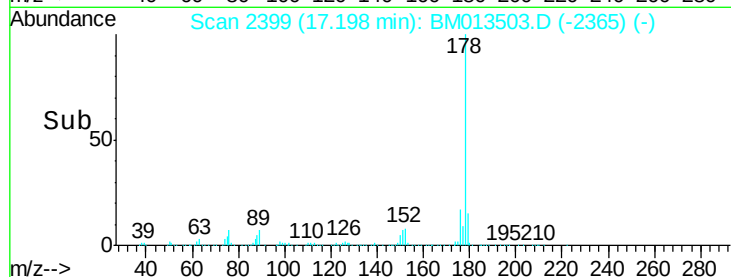
Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	17.3	14.6	21.8



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: 8.071 ng/ul

RT: 17.47 min Scan# 2446

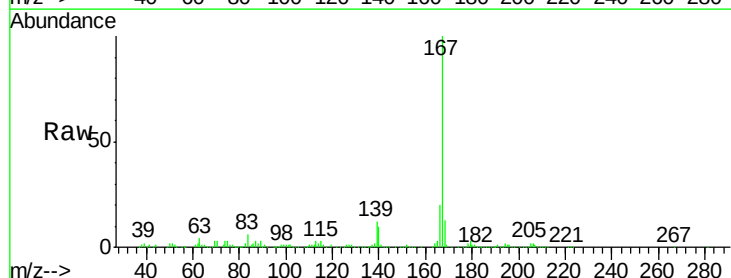
Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

Tgt Ion:167 Resp: 452720

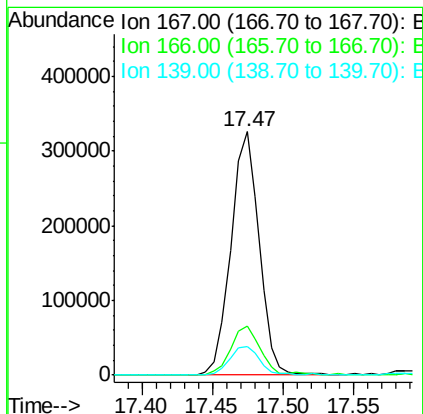
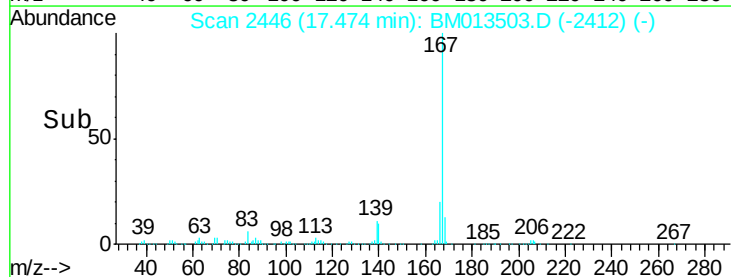
Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.1	25.7
139	11.8	10.0	15.0

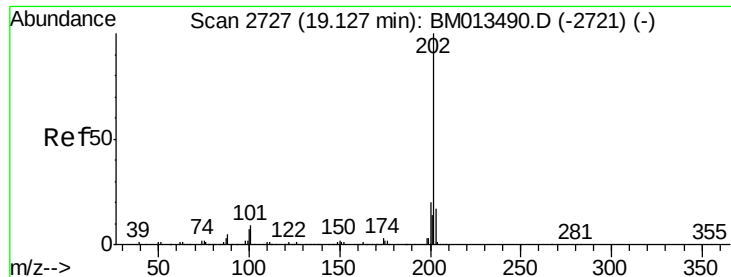


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 42.599 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013503.D

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ClientSampleId :

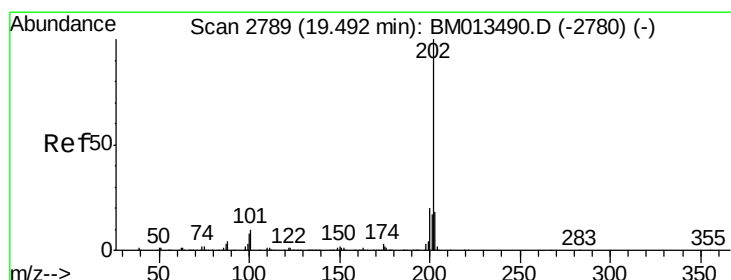
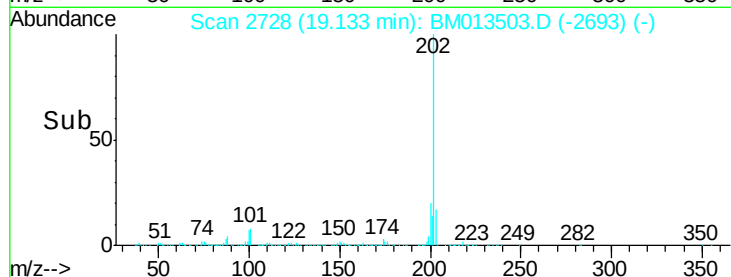
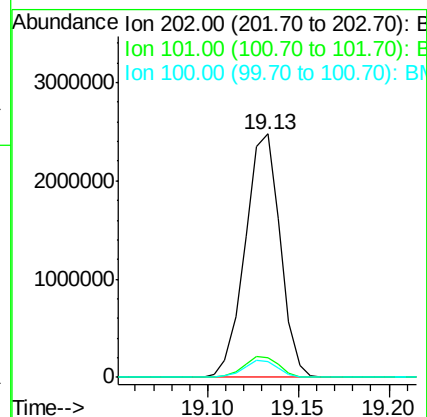
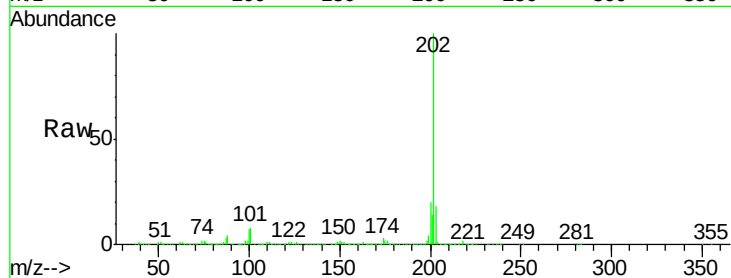
Tot Ion:202 Resp: 3330442

Ion Ratio Lower Upper

202 100

101 8.3 4.6 7.0#

100 6.7 3.4 5.2#



#77

Pyrene

Concen: 38.791 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

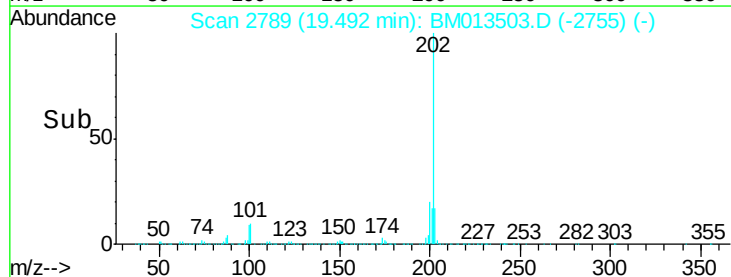
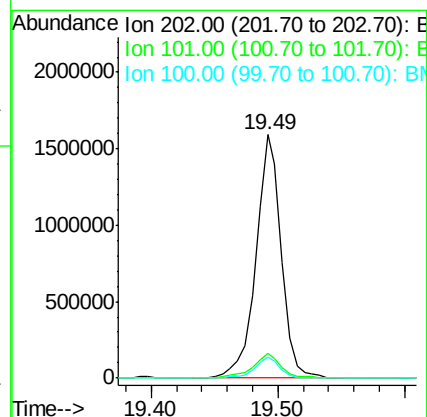
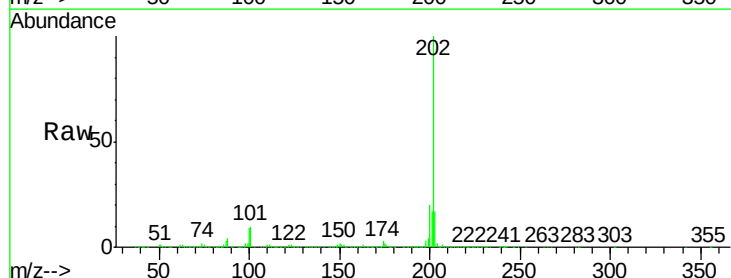
Tgt Ion:202 Resp: 2202161

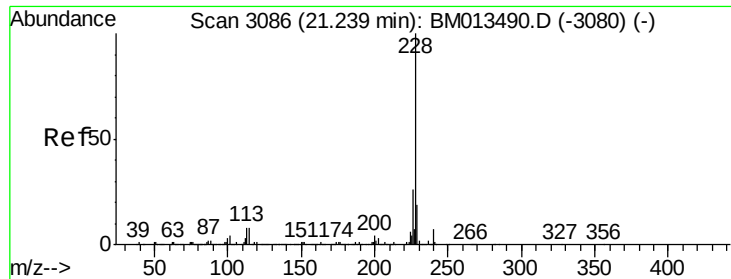
Ion Ratio Lower Upper

202 100

101 10.1 5.1 7.7#

100 8.5 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 9.358 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

Instrument :

BNA_M

ClientSampleId :

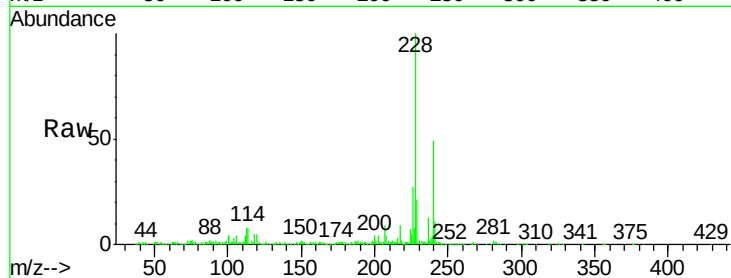
Tot Ion:228 Resp: 554802

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

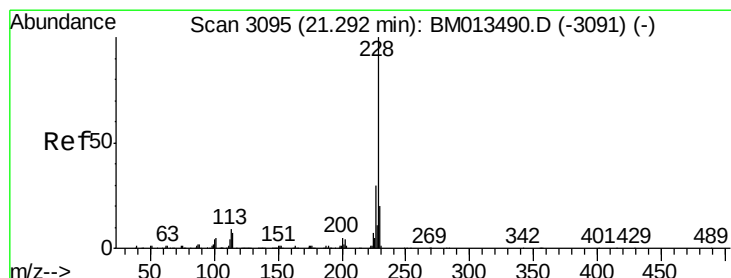
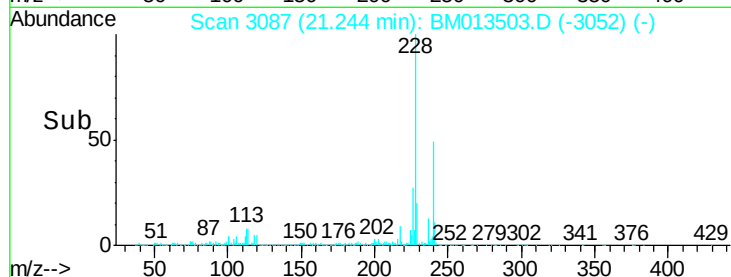
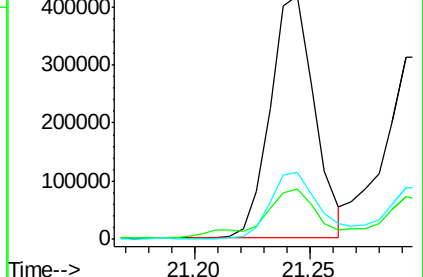
226 27.3 21.4 32.0



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



#82

Chrysene

Concen: 8.592 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

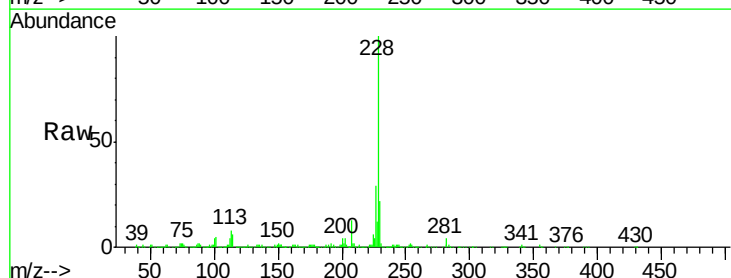
Tgt Ion:228 Resp: 472611

Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.2

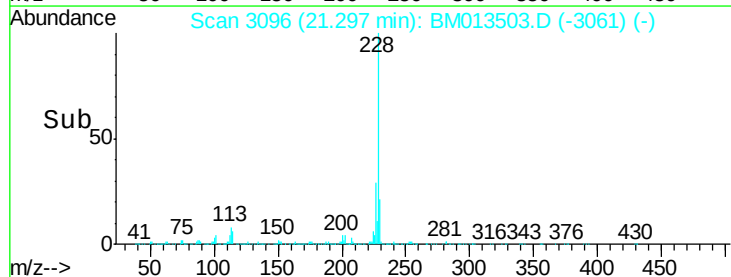
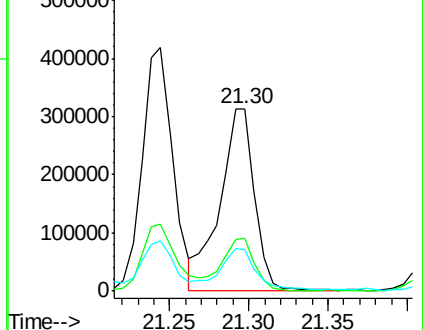
229 22.4 15.5 23.3

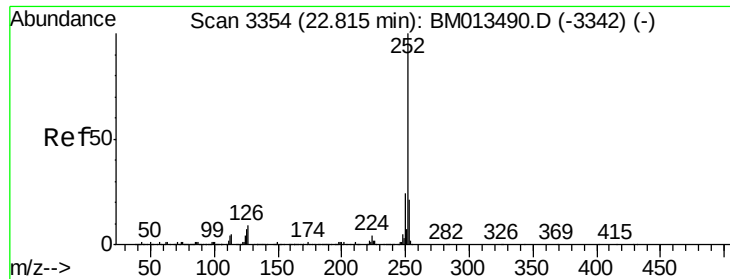


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

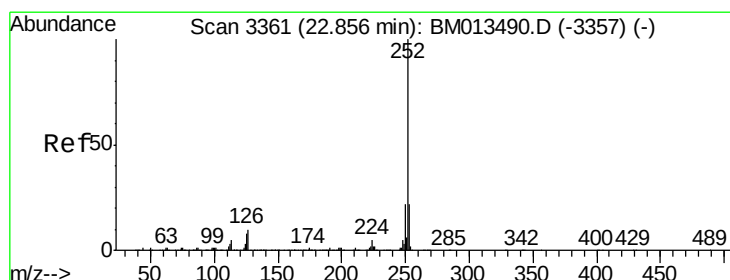
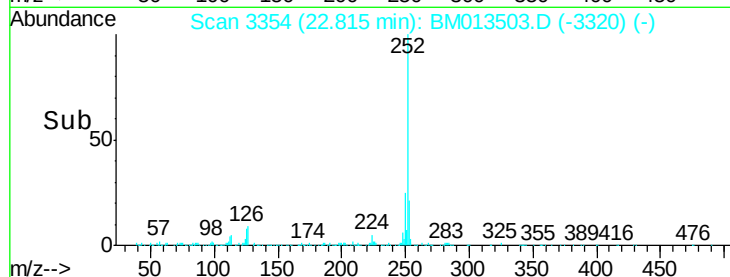
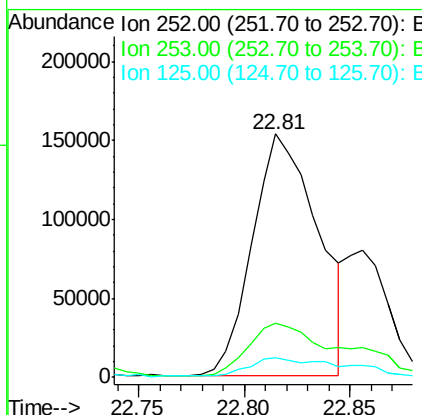
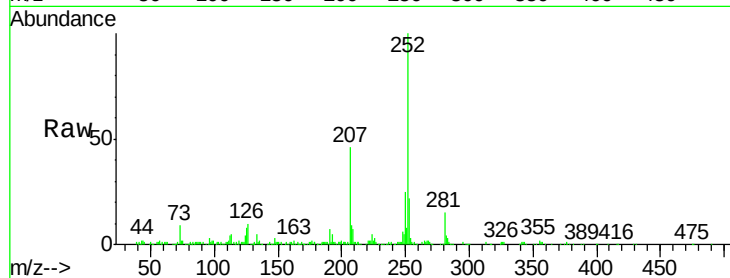




#85
Benzo(b)fluoranthene
Concen: 6.191 ng/ul
RT: 22.81 min Scan# 3354
Delta R.T. 0.00 min
Lab File: BM013503.D
Acq: 18 Dec 2017 17:48

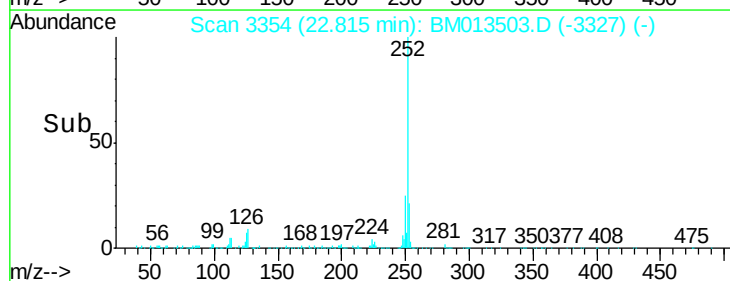
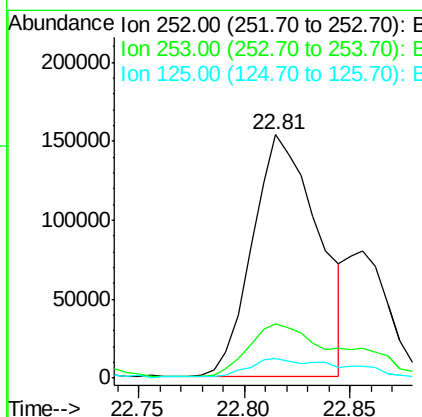
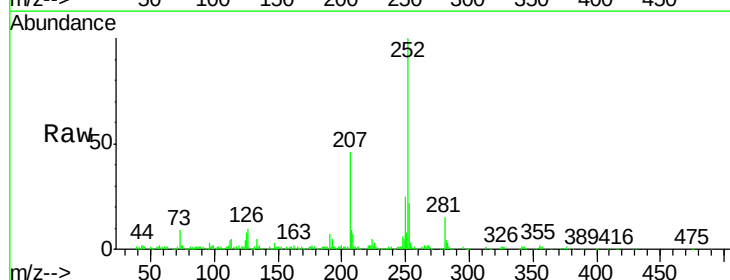
Instrument :
BNA_M
ClientSampleId :

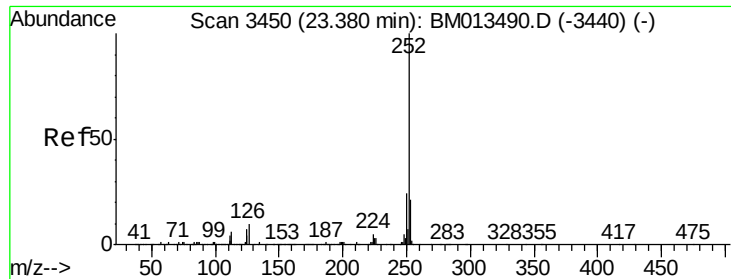
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	8.1	3.6	5.4



#86
Benzo(k)fluoranthene
Concen: 6.579 ng/ul
RT: 22.81 min Scan# 3354
Delta R.T. -0.04 min
Lab File: BM013503.D
Acq: 18 Dec 2017 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	8.1	3.4	5.2





#88

Benzo(a)pyrene

Concen: 4.799 ng/ul

RT: 23.38 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM013503.D

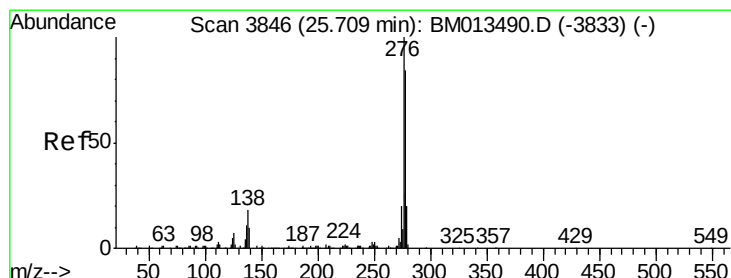
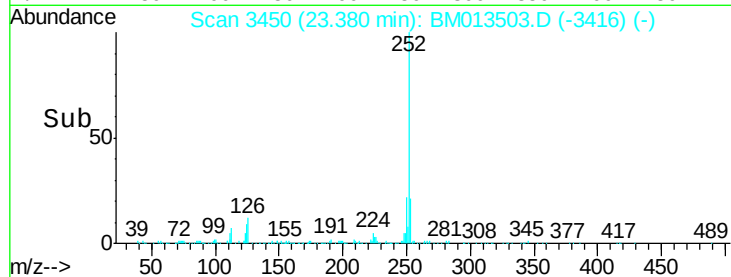
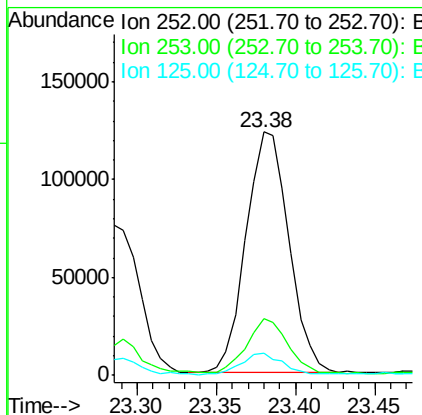
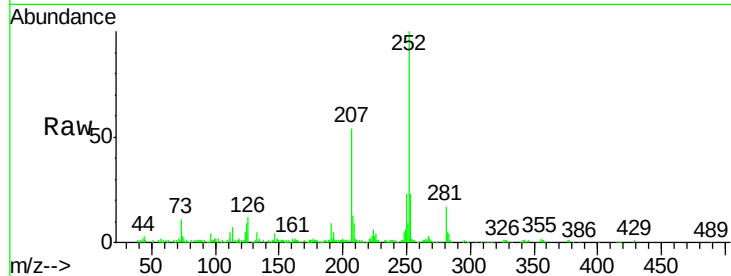
Acq: 18 Dec 2017 17:48

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	230812
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.1	4.0	6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.068 ng/ul

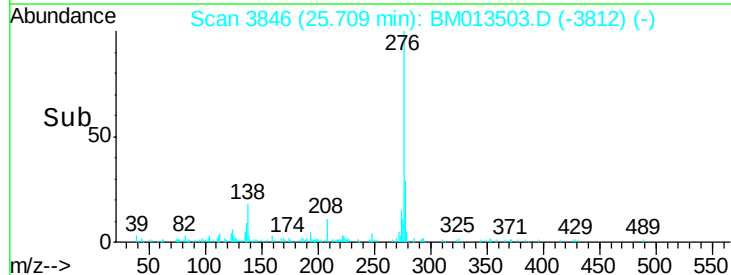
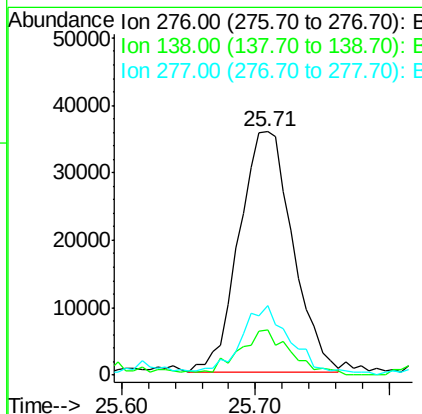
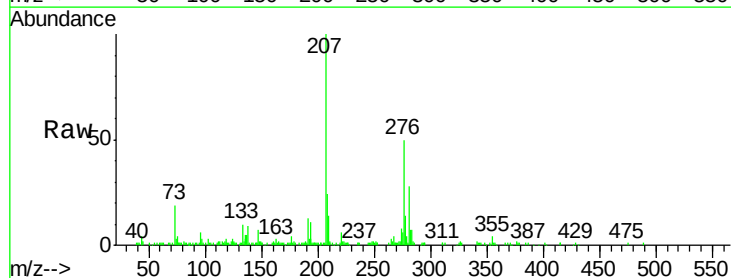
RT: 25.71 min Scan# 3846

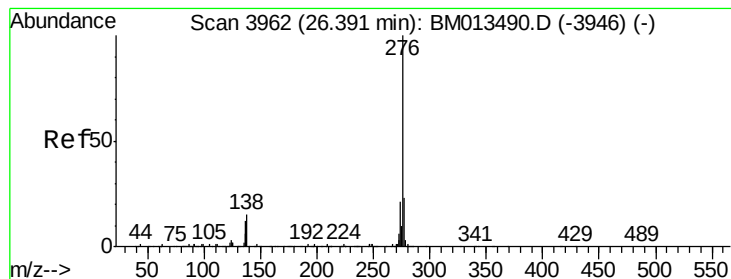
Delta R.T. 0.00 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

Tgt Ion:	276	Resp:	98711
Ion	Ratio	Lower	Upper
276	100		
138	18.8	9.3	13.9#
277	28.4	19.9	29.9





#91

Benzo(a,h,i)perylene

Concen: 2.037 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM013503.D

Acq: 18 Dec 2017 17:48

Instrument :

BNA_M

ClientSampleId :

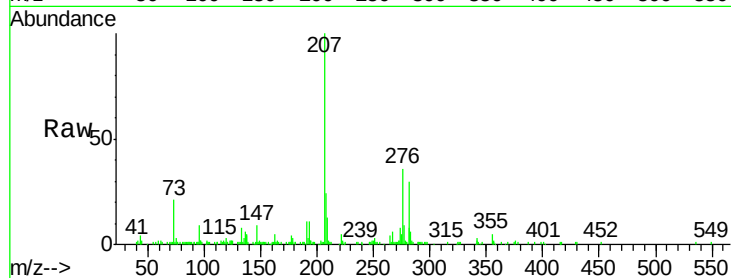
Tot Ion: 276 Resp: 76689

Ion Ratio Lower Upper

276 100

138 12.6 8.5 12.7

277 25.3 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

