

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070717\
 Data File : BG027887.D
 Acq On : 8 Jul 2017 3:16
 Operator : SJ/JU
 Sample : I4083-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 08 05:09:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 17:43:21 2017
 Response via : Initial Calibration

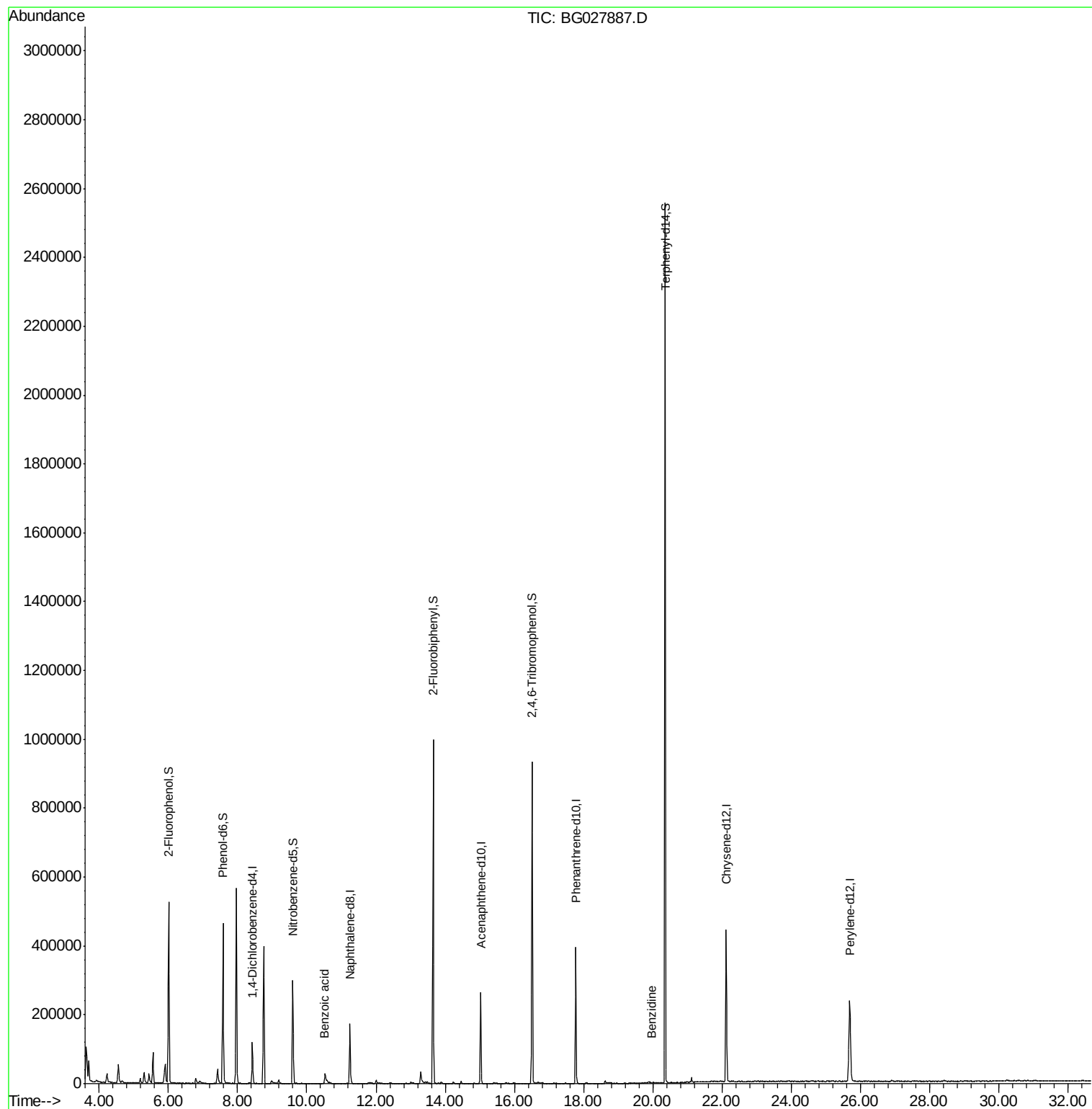
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	38934	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	169211	20.00	ng	0.00
38) Acenaphthene-d10	15.03	164	96089	20.00	ng	0.00
63) Phenanthrene-d10	17.78	188	250836	20.00	ng	0.00
75) Chrysene-d12	22.12	240	288651	20.00	ng	0.00
86) Perylene-d12	25.70	264	276366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.01	112	294325	116.41	ng	0.00
7) Phenol-d6	7.58	99	377434	97.72	ng	0.00
23) Nitrobenzene-d5	9.59	82	219911	72.44	ng	0.00
41) 2,4,6-Tribromophenol	16.51	330	217097	164.72	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	569151	84.59	ng	0.00
78) Terphenyl-d14	20.36	244	1126079	91.46	ng	0.00
Target Compounds						
32) Benzoic acid	10.50	122	600	9.16	ng	# 57
76) Benzidine	19.97	184	53	3.22	ng	# 64

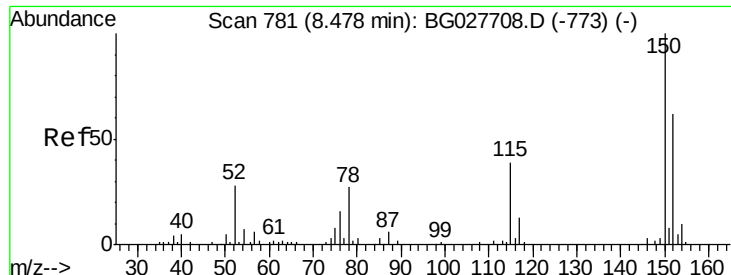
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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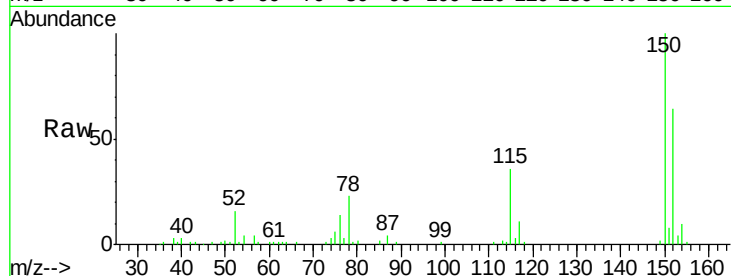


#1

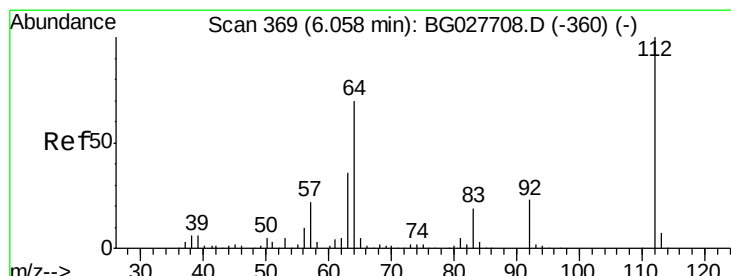
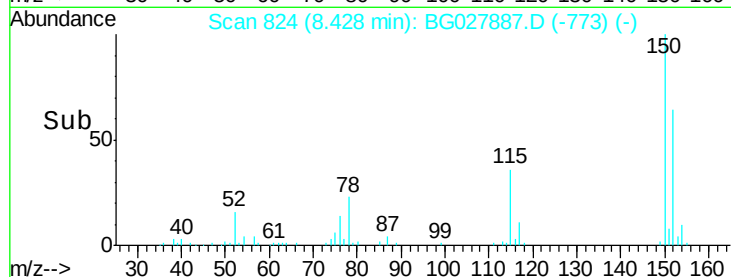
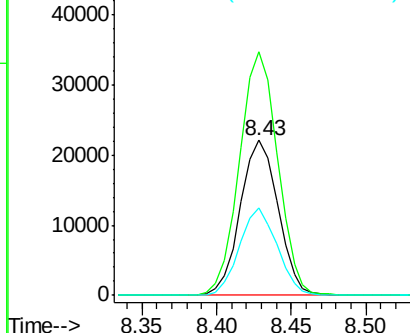
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.43 min Scan# 824
Delta R.T. 0.00 min
Lab File: BG027887.D
Acq: 8 Jul 2017 3:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38934
Ion Ratio Lower Upper
152 100
150 156.9 114.0 171.0
115 56.7 48.1 72.1



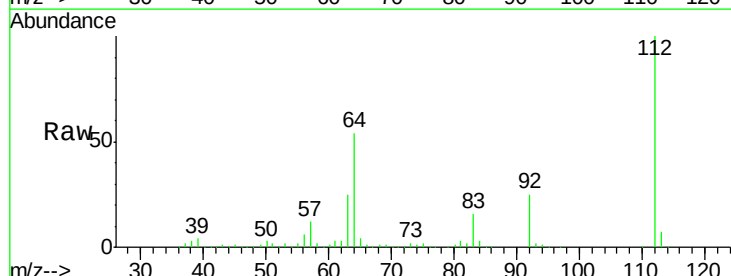
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



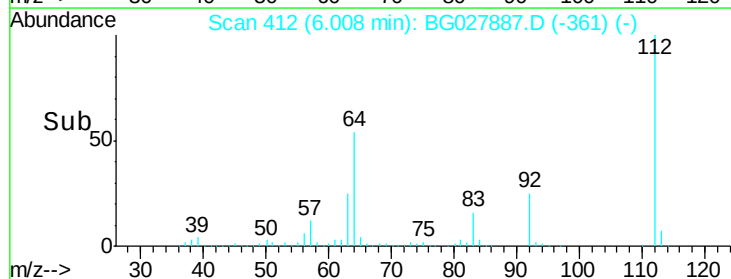
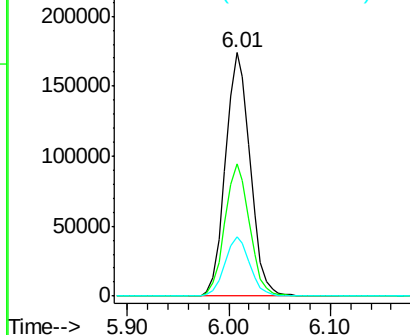
#5

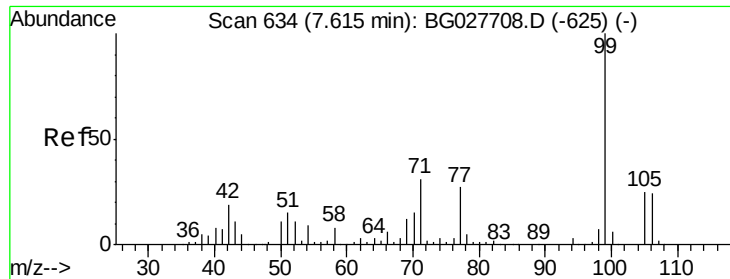
2-Fluorophenol
Concen: 116.41 ng
RT: 6.01 min Scan# 412
Delta R.T. 0.00 min
Lab File: BG027887.D
Acq: 8 Jul 2017 3:16

Tgt Ion:112 Resp: 294325
Ion Ratio Lower Upper
112 100
64 54.3 61.8 92.6#
63 24.5 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 97.72 ng

RT: 7.58 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

Instrument :

BNA_G

ClientSampleId :

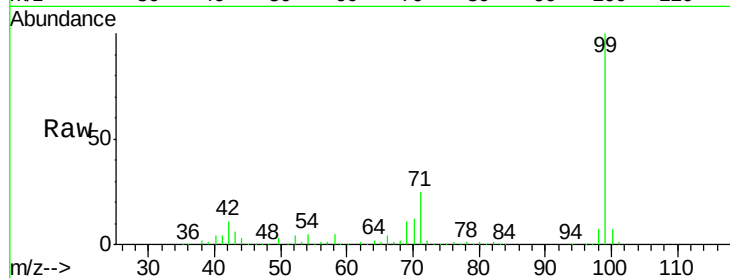
Tot Ion: 99 Resp: 377434

Ion Ratio Lower Upper

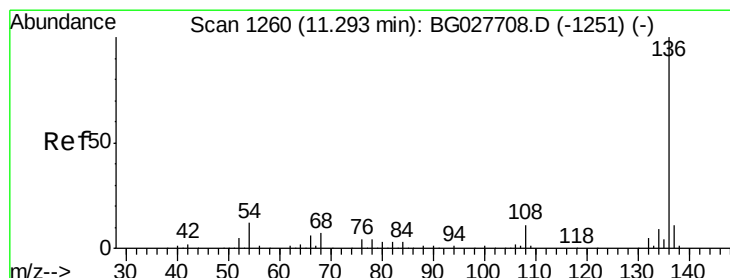
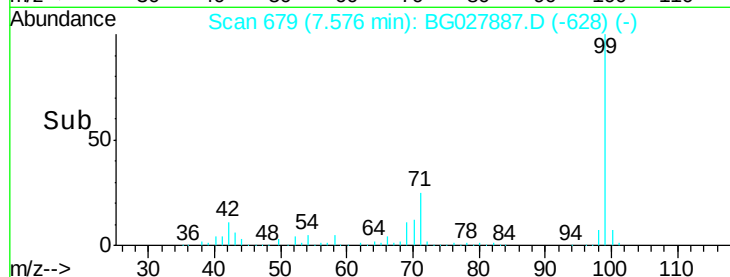
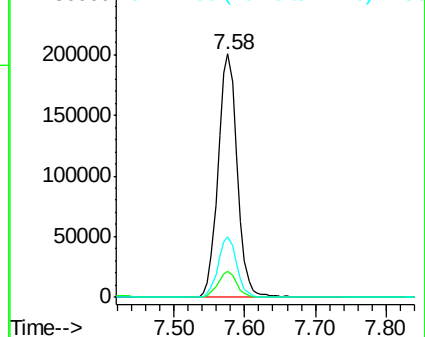
99 100

42 10.8 20.5 30.7#

71 24.8 37.6 56.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.25 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

Tgt Ion: 136 Resp: 169211

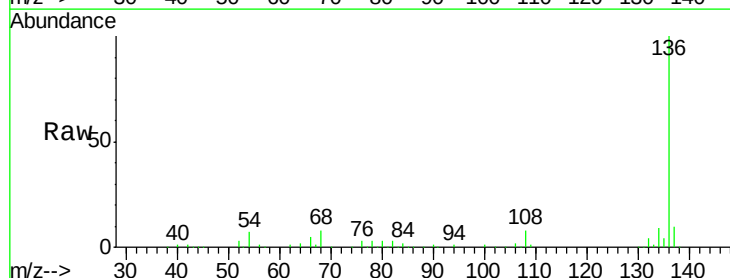
Ion Ratio Lower Upper

136 100

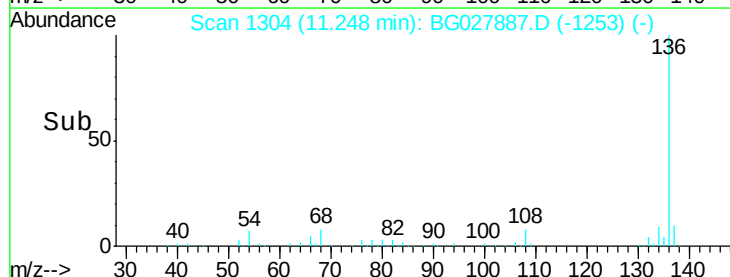
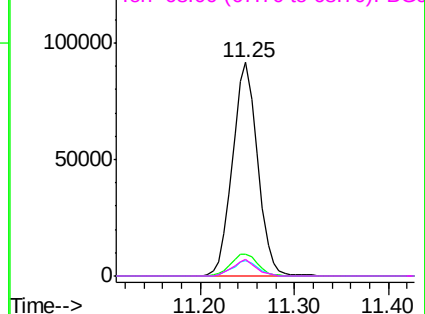
137 10.2 8.9 13.3

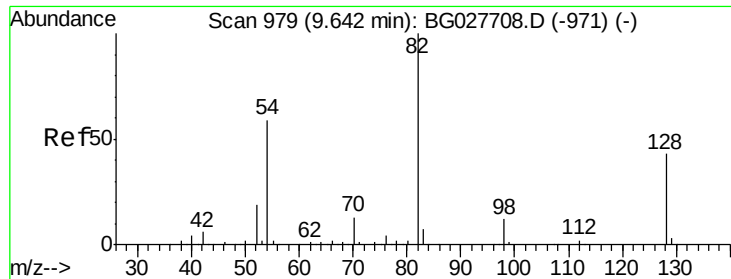
54 7.1 9.3 13.9#

68 8.1 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

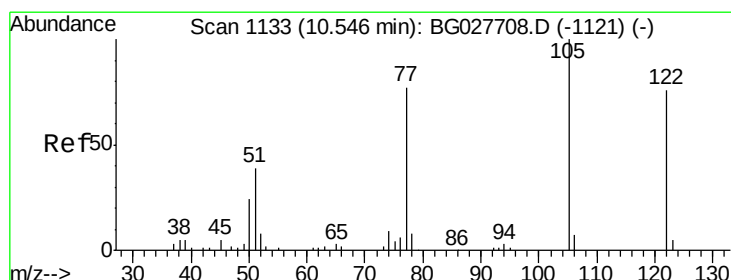
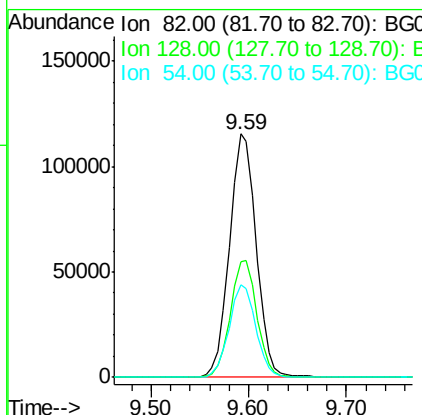
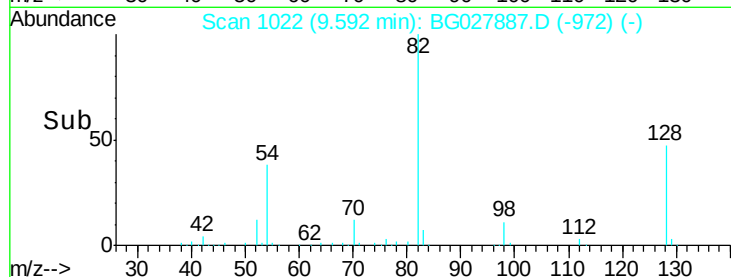
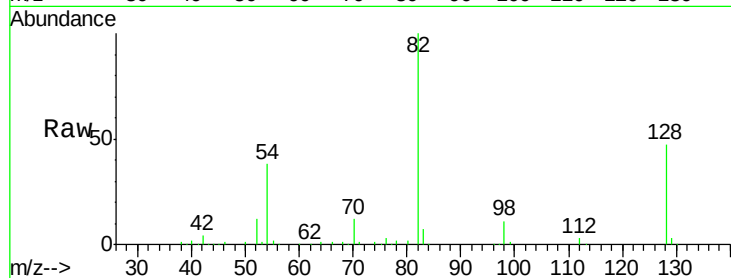




#23
 Nitrobenzene-d5
 Concen: 72.44 ng
 RT: 9.59 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BG027887.D
 Acq: 8 Jul 2017 3:16

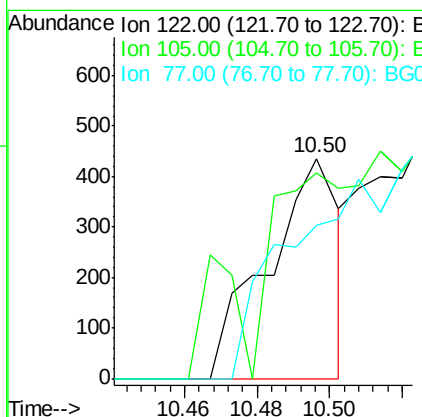
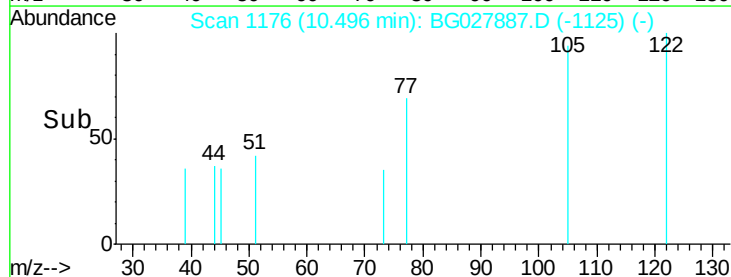
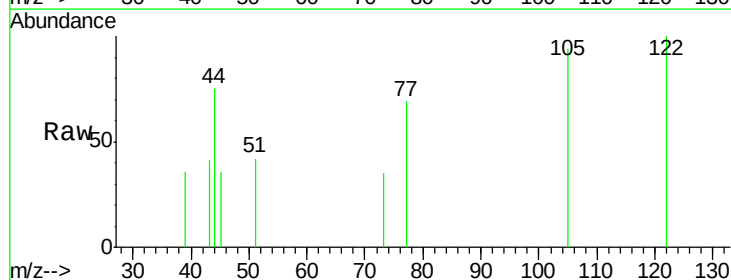
Instrument :
 BNA_G
 ClientSampleId :

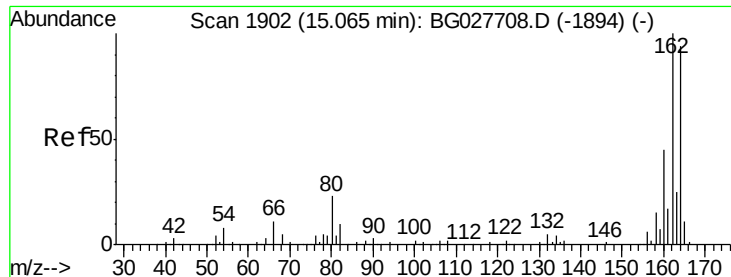
Tot Ion: 82 Resp: 219911
 Ion Ratio Lower Upper
 82 100
 128 47.4 26.4 39.6#
 54 37.8 49.4 74.2#



#32
 Benzoic acid
 Concen: 9.16 ng
 RT: 10.50 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: BG027887.D
 Acq: 8 Jul 2017 3:16

Tgt Ion: 122 Resp: 600
 Ion Ratio Lower Upper
 122 100
 105 93.6 120.1 160.1#
 77 69.3 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.03 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

Instrument :

BNA_G

ClientSampleId :

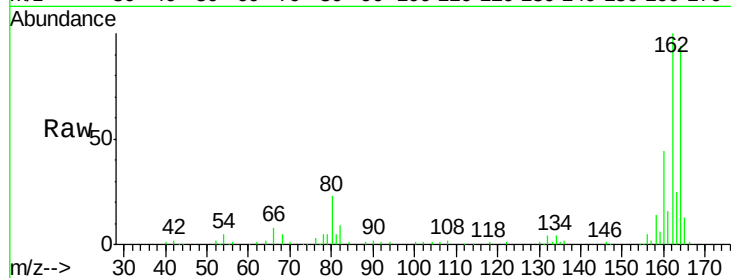
Tot Ion:164 Resp: 96089

Ion Ratio Lower Upper

164 100

162 106.9 85.1 127.7

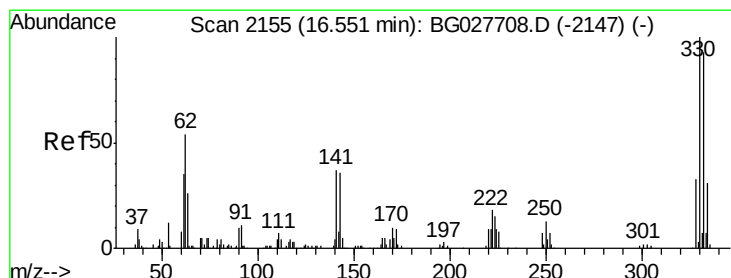
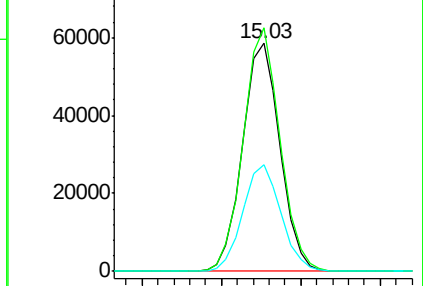
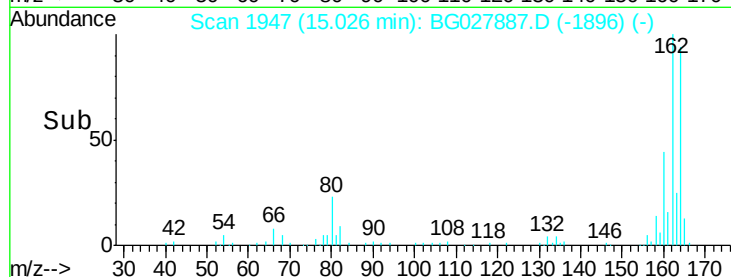
160 46.8 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 164.72 ng

RT: 16.51 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

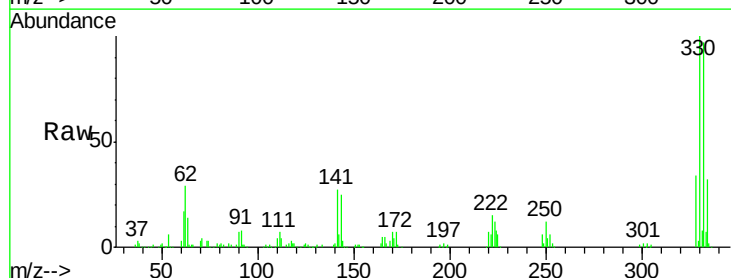
Tgt Ion:330 Resp: 217097

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

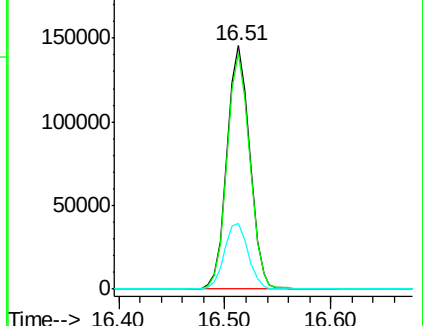
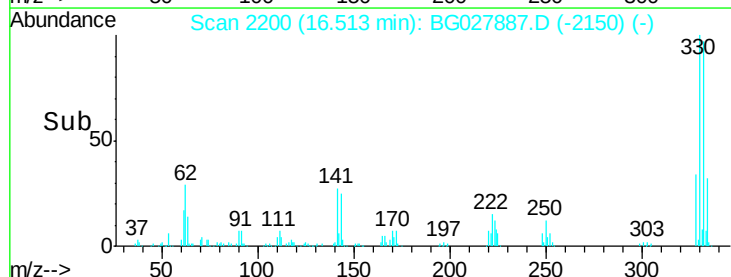
141 28.3 32.1 48.1#

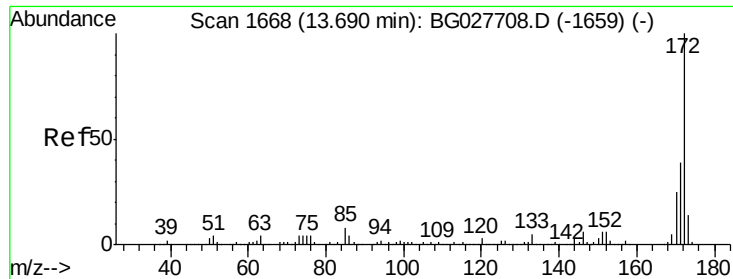


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

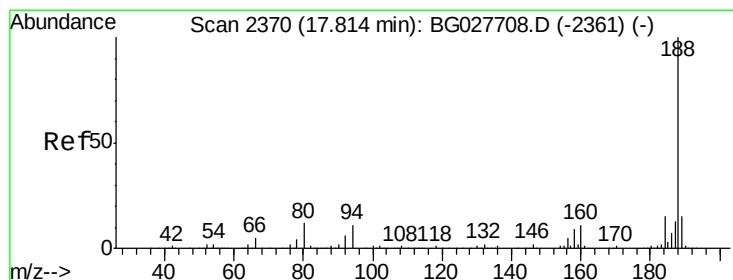
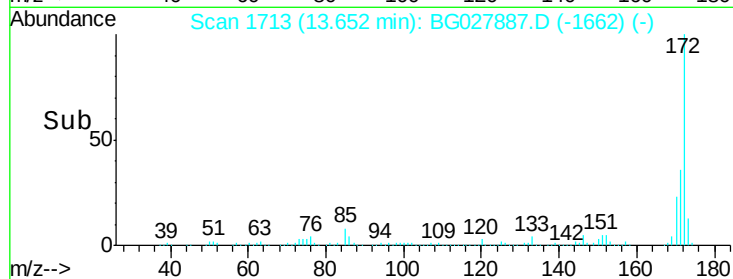
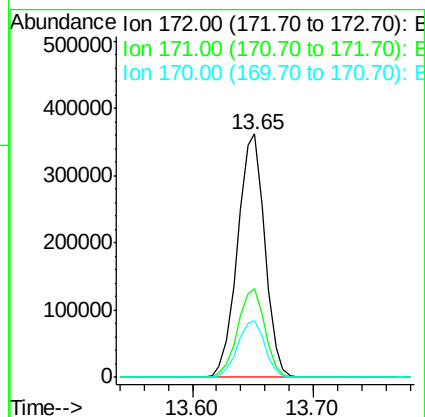
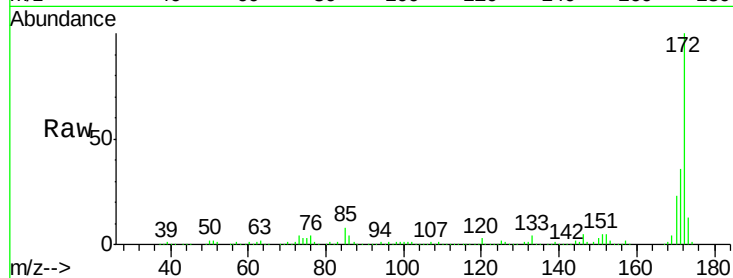




#44
 2-Fluorobiphenyl
 Concen: 84.59 ng
 RT: 13.65 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BG027887.D
 Acq: 8 Jul 2017 3:16

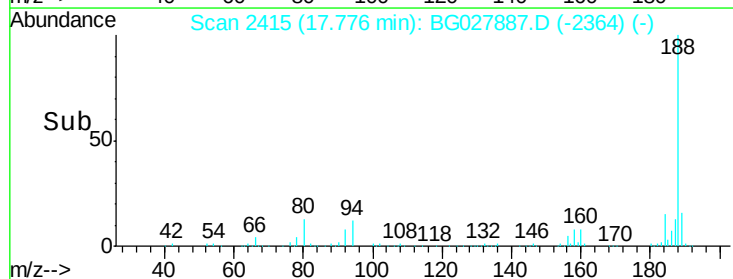
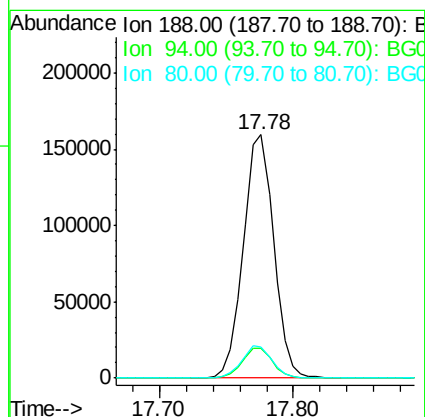
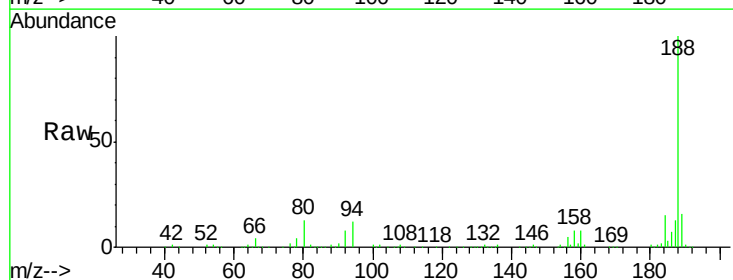
Instrument :
 BNA_G
 ClientSampleId :

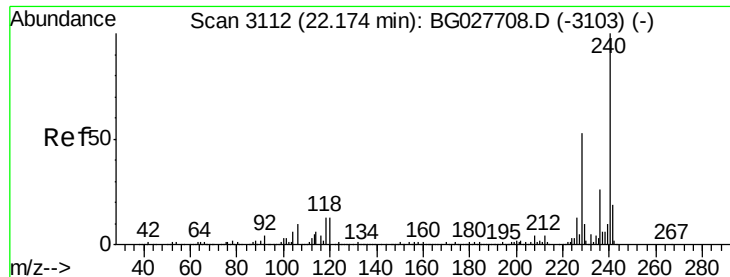
Tot Ion:172 Resp: 569151
 Ion Ratio Lower Upper
 172 100
 171 36.3 32.2 48.2
 170 23.3 21.8 32.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.78 min Scan# 2415
 Delta R.T. 0.00 min
 Lab File: BG027887.D
 Acq: 8 Jul 2017 3:16

Tgt Ion:188 Resp: 250836
 Ion Ratio Lower Upper
 188 100
 94 12.1 5.8 8.8#
 80 12.7 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.12 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

Instrument :

BNA_G

ClientSampleId :

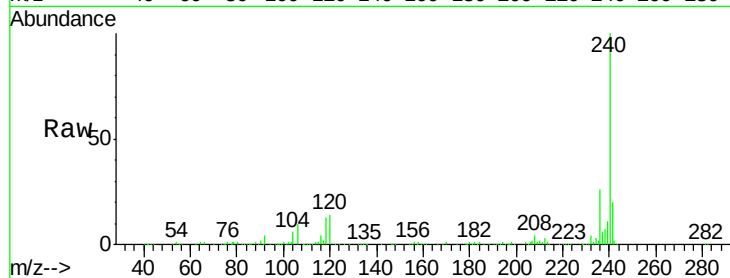
Tot Ion:240 Resp: 288651

Ion Ratio Lower Upper

240 100

120 14.0 5.7 8.5#

236 26.2 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.12

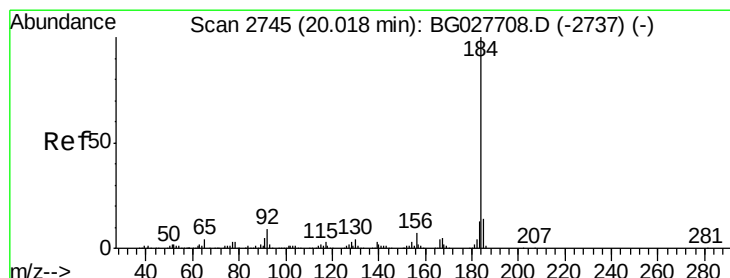
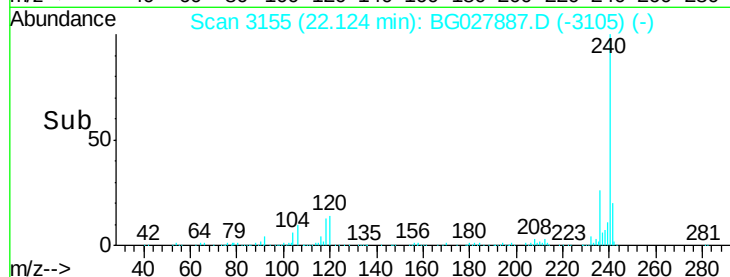
150000

100000

50000

0

Time--> 22.00 22.10 22.20



#76

Benzidine

Concen: 3.22 ng

RT: 19.97 min Scan# 2789

Delta R.T. -0.02 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

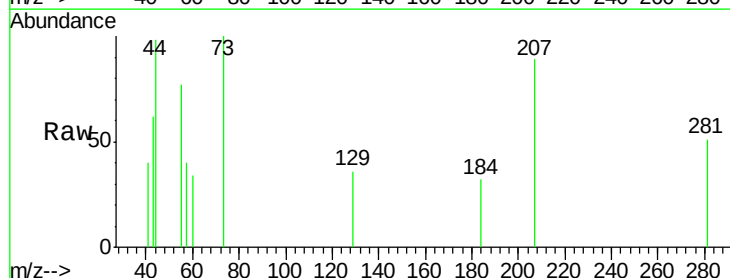
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

183 0.0 11.0 16.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

19.97

200

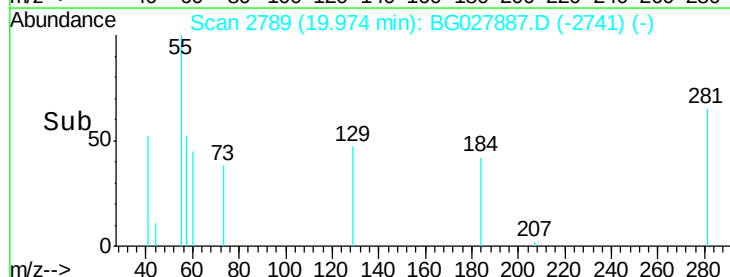
150

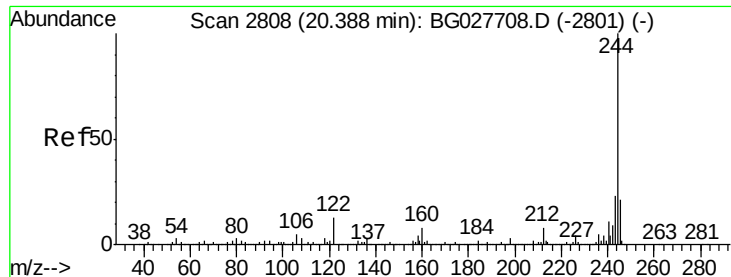
100

50

0

Time--> 19.96 19.97 19.98 19.99





#78

Terphenyl-d14

Concen: 91.46 ng

RT: 20.36 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

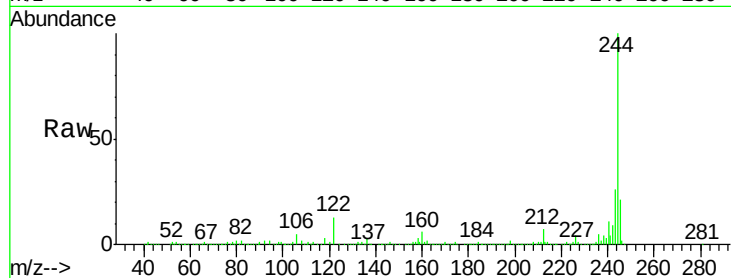
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1126079

Ion	Ratio	Lower	Upper
244	100		
212	6.5	10.0	15.0#
122	13.2	8.6	12.8#

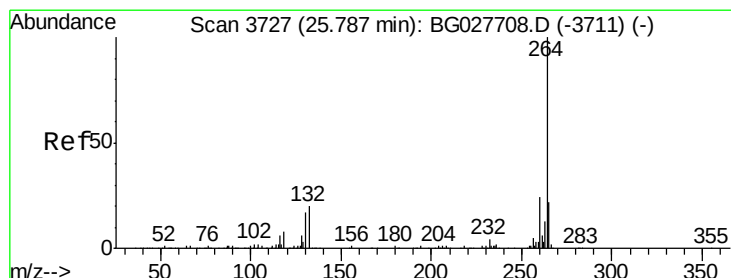
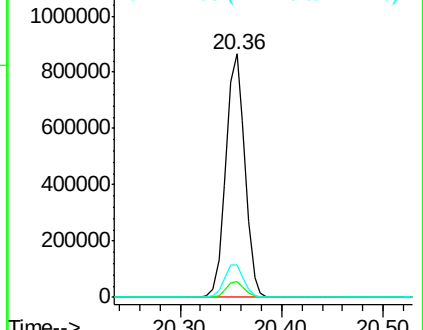
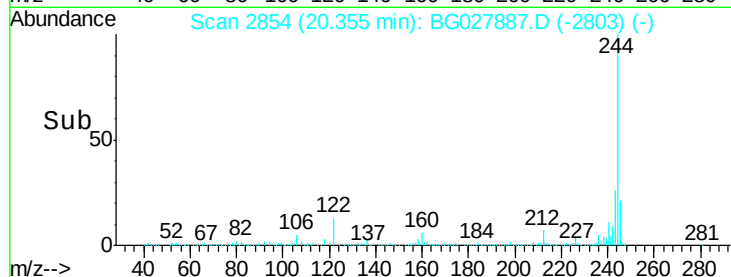


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.70 min Scan# 3763

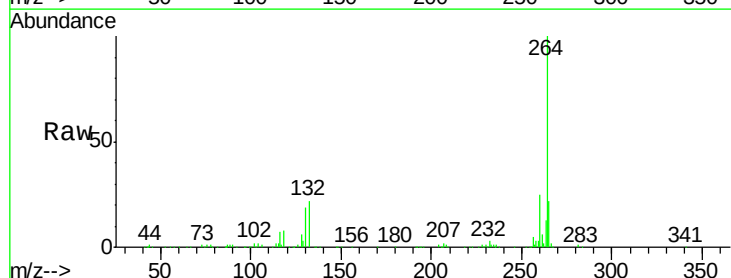
Delta R.T. -0.00 min

Lab File: BG027887.D

Acq: 8 Jul 2017 3:16

Tgt Ion:264 Resp: 276366

Ion	Ratio	Lower	Upper
264	100		
260	24.6	21.8	32.8
265	21.7	18.2	27.4



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

